NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Brochures

&

Program Reports

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

2016-2017

A Two-Day International Conference on Computing "NECICC2K16"

BROCHURE

INTERNATIONAL CONFERENCE ON COMPUTING - NECICC-2K16

On

21st – 22nd October, 2016

REGISTRATION FORM

Name : _____

Course : _____ Mobile: _____

College Name: _____

E-Mail : _____

Title of the paper

_____

_____

Accommodation required: Yes/No

For R&D / Industry – INR 1,500
For P.G Students & Faculty – INR 1200.

D. D. No: _____ Date: _____

Bank: _____ Branch: _____

DD in favour of The Principal, Narasaraopeta Engineering College, payable at Narasaraopet. Only selected paper authors need to send the DD along with camera ready copy on or before 03-10-2016.

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the International conference.

Date :
Place : Signature of the Applicant

IMPORTANT DATES TO REMEMBER

Manuscript Submission Last Date	: 17-09-2016
Intimation of review status	: 26-09-2016
Camera ready paper and registration	: 03-10-2016

IQAC

CALL FOR PAPERS

Authors are invited to submit their original and unpublished research papers in any of the conference themes listed below. The official language of the conference is English (UK). Template for the camera ready papers can be downloaded from the conference blog.

Blog : necicc2k16.blogspot.in

Paper shall be mailed to: necicc2k16@gmail.com

CONFERENCE THEMES

- ✓ Cloud Computing
- ✓ Cryptography & Network Security
- ✓ E-Commerce
- ✓ Mobile Computing
- ✓ Data Warehousing & Data Mining
- ✓ Big Data
- ✓ Pattern Recognition & Image Processing
- ✓ Software Engineering
- ✓ High Performance Computing
- ✓ Computer Communications
- ✓ Bio-Metrics
- ✓ Semantic Web
- ✓ Mobile Adhoc Networks & Sensor Networks
- ✓ Cyber Security
- ✓ Wireless Communication

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____ is working in our institution / Organization and is here by sponsored to participate in International Conference on Computing: NECICC-2K16 at Narasaraopeta Engineering College : Narasaraopet.

Place :
Date :

Signature of the
Head of the Institution (with Seal)

INTERNATIONAL CONFERENCE ON COMPUTING - 2016 (NECICC-2K16)

on

21st – 22nd OCTOBER, 2016

Organized by

Department of
Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited twice by NBA,
Two recognized R&D centres by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239912
FAX : 08647-239902
E-Mail : necicc2k16@gmail.com
Blog : necicc2k16.blogspot.in

Principal

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 sponsored by Gayatri Educational Development Society, Narasaraopet. Under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning and knowledge in Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001:2008 certified. The college has two recognized R&D centres by JNTUK. NEC has been conferred 'AUTONOMOUS' status by UGC in the year 2016. The college has launched an Incubation Centre where the students can convert their ideas into startups. The college has an MOU with Oracle University (USA). The college offers eight M.Tech. programmes, MCA, MBA and five B.Tech. courses in the branches of EEE, CSE, ECE, ME and CIVIL. College also offers four Diploma courses in CIVIL, EEE, ME and ECE. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km away from Hyderabad and 50km from Guntur, A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

ABOUT THE CONFERENCE

International Conference on Computing (NECICC-2K16) provides an excellent opportunity for students and researchers to present their innovative ideas on computational field to the world. The aim of NECICC-2K16 is to provide a platform, where students, researchers, academicians, professionals and industrialists can interact proactively and share their knowledge with each other. The conference helps the participants to redefine their subject knowledge through technical paper presentations and panel discussions. Many eminent academicians and industrialists will interact with participants through keynote lectures and invited talks focusing on computing. All major disciplines of Computer Science & Engineering are included in the discussions.

CONFERENCE COMMITTEE

Chief Patrons:

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M.S. Chakravarthi B.Tech, MS(US).
Director, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Patron:

Dr. B.V. Rama Mohana Rao
B.Tech (ZCE), M.Tech (IIT KGP) & Ph.D. (IIT KGP).
Principal.

Convener:

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE

Co-Convener:

Dr. B. Jhansi Vazram
Professor, Dept. of CSE

ADVISORY COMMITTEE

Dr. Dominik Slezak
Chief scientist at Infobright, Canada.
Dr. Pawan Lingras
Professor, Saint Mary's University, Canada.
Dr. E.V.Prasad
Former Rector, JNTUK, Kakinada.
Dr. C. Raghavendra Rao
Professor, Central University, Hyderabad.
Dr. N.B. Venkateswarlu
Professor, AITAM, Tekkali.
Dr. J.V.R Murthy
Professor, JNTUK, Kakinada.
Dr.Y. K. Sundara Krishna
Principal, Krishna University.
Dr. M.H.M.Krishna Prasad
Associate Professor, JNTUK, Kakinada.
Dr. R. Rajeswara Rao
Associate Professor, UCEV, JNTUK, Vizianagaram.
Dr. A.P.Siva Kumar
Assistant Professor, UCEA, JNTUA, Ananatapur

ORGANIZING COMMITTEE

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Dr. S. Sagar Imambi Assoc. Prof
Ms. G. L. N. Jayaprada Assoc. Prof
Mr. Om. Prakash Samantray Assoc. Prof
Mr. K. Nitalaksheswara Rao Asst. Prof
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Mr. Mr. M. Syam Kumar Asst. Prof
Ms. Sd. Rizwana Asst. Prof
Mr. O. Gandhi Asst. Prof
Ms. K.Gnanendra Asst. Prof

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 23-10-2016

Programme Report

Name of the Programme : A 2-day International Conference on Computing-2016

Dates : 21-10-2016 to 22-10-2016

Details of the Resource Person(s) :

1. Name : Dr.A.Sri Krishna
2. Designation : Professor
3. Organization : Shri Vishnu Engineering college for Women
4. Phone No. : 9866399916
5. Mail-id : tvrao.vignan@gmail.com

Conference Themes:

Cloud computing

Cryptography & Network Security

E-Commerce

Mobile Computing

Data ware housing and data mining

Big Data

Pattern Recognition & Image Processing

Software Engineering

Bio-Metrics

Semantic Web

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NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Computer Communication

Wireless Communication

Cyber Security

High Performance Computing

Mobie Adhoc Networks & Sensor Networks

Coordinator

(Dr.S.N.Tirumala Rao)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

16-12

A Ten-Day Workshop on "Advanced Java & Web Technologies"

BROCHURE

Course Content:

- Servlets
- JSP
- JDBC

Resource Persons:

G.L.N Jayaprada,
Assistant professor,NEC

IMPORTANT DATES:

- **last date for Registration: 26/10/2016**
- **Intimation to Participants: 27/10/2016**

Any Queries Contact:

Dr.B. Jhansi Vazram Ari
Professorof Cse Dept
Mobile:9908888519
Email:Jhansi.bolla@gmail.com

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 5 Star Rating

ATAL

NEC

A Ten-Day Workshop on Advanced Java and Web Technologies

28th October – 10th November, 2016

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST., A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

Objective of A Ten-Day Workshop on Advanced Java and Web Technologies

The main objective of this workshop is Web site development using Servlets, JDBC.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://workshoponjava.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 26/10/2016**
- **Intimation to Participants: 27/10/2016**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK), MISTE, FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr.B. Jhansi Vazram Ari
Professorof Cse Dept.

Coordinators

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Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	Mr. K.N. Rao
Ms. M. Sireesha	Mr. K. Gnanendra
Mr. P.Lakshminarayana	Ms. O Aruna
Mr G.Lakshminarayana	Ms. Ch.Kamala
Mr K.Satyam Reddy	Mr Sk.K.M.Basha
Mr K.V.Narasimha Reddy	Mr Y.Suresh
Ms. S.Chaitanya Bharathi	

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 10-11-2016

Programme Report

Name of the Programme : A Ten-Day Workshop on "**Advanced Java & Web Technologies**"

Dates : 28th October – 10st November 2016

Details of the Resource Person(s) :

1. Name : G.L.N Jayaprada
2. Designation : Asscociate Professor
3. Organization : NEC
4. Phone No. : 9848891421
5. Mail-id : gjayaprada74@gmail.com

Objective of the Programme : The main objective of this workshop is Web site development using Servlets,JSP,JDBC

Topics Covered :.

- Servlets
- JSP
- JDBC

Outcome of the Programme : After completion of this workshop the faculty were able to develop various web sites like school, shops etc.by using Servlets, JSP,JDBC.

No. of Participants : 150

Coordinator

(Dr.G.L.N Jayaprada)

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HoD

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A one-week Faculty Development Programme on "Finite Element Analysis and its Applications using ANSYS"

Brochure

About the College

Narasaraopeta Engineering College (NEC) is an autonomous institution; it was established in 1998 in the picturesque and pleasant environs of Narsaraopeta and is ideally located on a sprawling 40 acre campus. NEC, originated under the auspices of Gayathri Educational Development Society, which has the proactive leadership of Sri M.V. Koteswara Rao, Chairman. The college is accredited by NAAC with 'A' grade and all the departments are twice accredited by NBA. Also, the institution is certified by ISO 9001:2008. The college offers five courses at B.Tech level in the branches of ME, CSE, EEE, CIVIL and ECE, and nine courses in M.Tech level, MBA and MCA. The campus comprises of aesthetically designed buildings that are networked by Wi-Fi technology. The institution is established with the modern workshops and labs, computer and internet facilities, seminar halls, well equipped library and sports facilities that provide an excellent learning environment for the students. The college has an Incubation center where the students can convert their ideas into startups. The college has an MOU with Oracle University (USA). Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year. The departments ME, CSE and ECE are recognized as a research centres under JNTU Kakinada.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

About the Department

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The course offers a deep insight into the discipline and empowers promising engineers with required skills for a successful career in mechanical engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure and is well equipped with modern laboratories. The department has highly qualified, experienced, dedicated faculty with industry and research background. With a spectacular academic success present intake has enhanced to 240.

Chief Patron

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group

Patron

Sri M.S. Chakravarthi B.Tech, MS (USA)
Director, NEC Group
Sri M. Ramesh Babu
Secretary, NEC Group

Patron

Dr. B.V. Rama Mohana Rao, Principal

Convener

Dr. D. Jagadish, Prof. & Head, Mech.

Co-conveners

Mr. S. B. Venkata Siva, Prof., Mech.
Mr. K. Krishna Kishore, Assoc .Prof. Mech.

Organizing Committee

Dr. D. Suneel, Prof. & Dean Academics
Mr. P. Suresh Babu, Assoc. Prof
Mr. V.Vana Kiran Kumar, Asst. Prof
Mr. M. Venkaiah, Asst. Prof
Mr. P.Srinivasa Rao, Asst. Prof
Mr. R.Jyothu Naik, Asst. Prof
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Mr. K. Kiran Chand, Asst. Prof
Mr. N. Siva Naga Raju, Asst. Prof
Mr. B. Vijay Kumar, Asst. Prof
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Mr. G. Raju, Asst. Prof
Mr. J. Yesudasu, Asst. Prof
Mr. P. V. K. Subramanyam, Asst. Prof
Mr. B. Saida Rao, Asst. Prof
Mr. K. V. Chalapathi, Asst. Prof
Ms. R. K. Sangha Mitra, Asst. Prof
Mr. T. Ashok Kumar, Asst. Prof

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A Two Day Faculty Development Programme
On

"Finite Element Analysis and its Applications using ANSYS"

2nd & 3rd March 2017



"Autonomous"

NEC

Accredited by NAAC with 'A' grade | Accredited by NBA 'A' grade by Govt of AP | Affiliated by JNTUK

Organized by

Department of Mechanical Engineering
Narasaraopeta Engineering College
(AUTONOMOUS)

(Approved by AICTE New Delhi, Permanently Affiliated to JNTUK, Kakinada, Recognized research Centre under JNTUK, Accredited by NBA, NAAC with 'A' grade and An ISO 9001:2008 Certified Institution)

Kotappakonda Road, Yellamanda(p.o),
Narsaraopeta-522601, Andhra Pradesh
Ph. 08647-239923, Fax: 08647-239902
Website: http://www.nrtenggcollege.com

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601

Registration Form

A Two Day Faculty Development Programme
On
"Finite Element Analysis and its Applications using ANSYS"

2nd & 3rd March 2017

1. Name: _____
2. Designation: _____
3. Qualification: _____
4. Organization: _____

_____

5. Address: _____

_____

_____

6. Mobile No: _____
7. Email: _____

Station :

Date :

Signature of the Delegate

Signature of the H.O.D With seal

Note: The Photo copy of this form can also be used for registration.

About the Program

This event is organized to spread the knowledge about the present advances in ANSYS. The faculty development programme is targeted at teachers of engineering colleges belonging to Mechanical Engineering and Civil Engineering disciplines.

Resource Person:

Mr. M. S. Sakthivel,

CoreEl Technologies Pvt. Ltd.

He is from ANSYS and organized many such programs in this area. Since he is from the software background the participants can expect firsthand knowledge and can clarify their doubts.

Registration

Registration fee: Rs.300/-
*Spot registration also accepted.
Date & Time: 02.03.2017 at 9.30AM
*Registration fee includes working lunch and tea.
*Certificates will be given on successful completion of training.

Important Dates

Last date for receipt of application by mail: 28.02.2017
Program commencement: 02.03.2017

Address for Correspondence

The Convener,
Two Day Faculty Development Programme,
Narsaraopeta Engineering College,
Kotappakonda Road, Yellamanda(p.o),
Narsaraopeta-522601,
Guntur district
Andhra Pradesh
Email:nrtec_mech@yahoo.com

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Course Overview

ANSYS Mechanical provide solutions for many types of analyses including structural and thermal domains. ANSYS Mechanical is an intuitive analysis tool that allows geometry to be imported from a number of different CAD systems. It can be used to verify product performance and integrity from the concept phase through the various product design and development phases.

The use of ANSYS Mechanical accelerates product development by providing rapid feedback on multiple design scenarios, which reduces the need for multiple prototypes and product testing iterations.

Course Description

This training will help how to use ANSYS Mechanical effectively to build mechanical simulation models, analysis and interpret the results.

Course Topics Include

- Introduction to ANSYS Workbench
- Space claim Introduction
- Static Structural Analysis
- Modeling Connections
- Remote Boundary Conditions
- Multistep Analysis
- Vibration Analysis
- Thermal Analysis
- CAD & Parameters

Each course chapter is followed by lab practice.

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001: 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:10-03-2017

PROGRAMME REPORT

Name of the Programme : A one week Faculty Development Programme on "Finite Element Analysis and its Applications using ANSYS"

Dates : 02nd to 04th March, 2017

Details of the Resource Persons :

1. Name : Mr. M. S. Sakthvel
   Designation : Software Engineer
   Organization : CoreEl Technologies Pvt. Ltd
   Phone No : 9740154446
   Mail.Id : Sakthivel.ms@coreel.com

Objective of the programme:

Finite Element Analysis (FEA) is a computer-aided engineering tool used to analyze how a design reacts under real-world conditions. Useful in structural, vibration, and thermal analysis, FEA has been widely implemented by automotive companies. It also be used to verify the product performance and integrity from the concept phase through the various product design and development phases.

The use of ANSYS Mechanical accelerates product development by providing rapid feedback on multiple design scenarios which reduce the need for multiple prototypes and product testing interaction.

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Topic Covered:

- Introduction to ANSYS Workbench
- Space claim Introduction
- Static Structural Analysis
- Modeling Connections
- Remote Boundary Conditions
- Multistep Analysis
- Vibration Analysis
- Thermal Analysis
- CAD & Parameter

Outcome of the programme:

Ansys Mechanical finite element analysis software is used to simulate computer models of structures, electronics, or machine components for analyzing strength, toughness, elasticity, temperature distribution, electromagnetism, fluid flow, and other attributes.

Useful in structural, vibration, and thermal analysis, FEA has been widely implemented by automotive companies.

No. of participants: 45

Coordinator

HOD

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NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

2017-2018

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Workshop on How to build an IoT System

Brochure

A One-day Workshop on "HOW TO BUILD AN IOT SYSTEM" On 10th Oct, 2017

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the short-term course.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
ecehod@nrtec.ac.in
Any quires contact: 08647-239913

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech Programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The college has established venture development Centre (VDC) in association with in association with i2E north-eastern university USA and APSSDC. Also the college has Indo-European skilling Centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany.



A One-day Workshop on
"HOW TO BUILD AN IOT SYSTEM"
On
10th Oct, 2017

Organized
By

Department of Electronics and Communication Engineering

NEC

Phone : 08647-239913
FAX : 08647-239913
E-Mail : **ecehod@nrtec.ac.in**

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited thrice by NBA,
ISO 9001: 2008 Certified.
Three Recognized R&D centers by JNTUK

Principal
Narasaraopeta Engineering College
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 1998 with an intake of 40 students in B. Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, M.Tech (Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty.

The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the art equipment and latest software. The UG programme of the department is accredited thrice by NBA. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on funda mentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research

Workshop Highlights

- What "the Internet of Things" means and how it relates to Cloud computing concepts
- How open platforms allow you to store your sensor data in the Cloud
- The basic usage of the Arduino, RaspberryPi & Nodemcu environment for creating your own embedded projects at low cost



- How to connect your Arduino & RaspberryPi with your Android phone.
- Basic usage of RaspberryPi.
- Use of Arduino & RaspberryPi in IoT
- How to create your own Android App using MIT App Inventor.
- How to send data to the Internet and talk to the Cloud.
- How to update sensor readings on Twitter (Social Networking Sites).
- How to control any device from anywhere across the world.
- How to connect to cloud ready IoT Server using MQTT.
- Python, Embedded C, Node.js etc will be covered.

RESOURCE PERSONS:

Mr Uday Kumar

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc,
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patrons
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I).
Principal.

Coordinator
Dr. V. Venkata Rao,
Professor & Head

Organizing Committee
Prof. J. V. K Ratnam
Prof. P .S.S.Chakravarthi
Mrs. B. Suneetha
Mr. G. Sai Ganesh
Mr. J. Narasimha Rao
Mr. A. Charles Stud
Mr. V. Naveen Raja
Mr. G. Srinivasa Rao
Mr. P. Bhagya Raju
Mr. Y. V. Lakshmaiah
Mr. Sk. Zuber Basha
Mr. A. Srinu
Mr. N. Srinivasa Rao
Mr. M. Srinivasa Rao
Mrs. Ch. Krishna Priya
Mrs. T. Indira
Mr. A. Raveendra Babu
Mr. T. Ravi Kanth
Mr. Sk.Ch. Nagur Shareef
Mrs. P. Vasanthi
Mr. N. Rajeev Reddy
Mr. V. Rama Krishna Reddy
Mr. Ch. Suresh Babu
Mr. E. Narendra
Mr. Ch. Karthik
Ms. K. Lakshmi Prasann



Program Report

NEC
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 12.08.2019

PROGRAMME REPORT

Name of the Programme : A One Day Workshop on "**How to Build an IOT System**"

Date : 10th, oct-2017

Details of the Resource Persons :

1. Mr. Uday Kumar

Objective of the programme:

- Understand the rudiments of IoT
- Learn the features of Raspberry Pi board
- Configure Wireless Protocols Wi-Fi, ZigBee, Bluetooth, Lora WAN
- Familiarise coding structures in Python Programming
- Interface different sensors with Raspberry Pi
- Connect Raspberry Pi to a remote access client
- Configure Raspberry Pi for Web Services
- Perform Cloud Server Experiments

Topic Covered:

- Introduction to the Internet of Things
- The Internet of Things
- The Basics of Sensors & Actuators
- Introduction to Cloud Computing
- The Arduino Platform
- The Arduino Open-Microcontroller Platform
- Arduino Basics
- Arduino Board Layout & Architecture
- * Reading from Sensors
- * Programming fundamentals (C language)
- * Arduino Programming & Interface of Sensors
- Interfacing sensors with Arduino
- Programming Arduino
- Reading from Sensors
- Project 1: Simple LED Program for Arduino
- Project 2: Integrating Sensors & Reading Environmental Physical Values.
- Project 3: Reading Environmental Values on Android Smartphone.

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- Talking to your Android Phone with Arduino
- Connecting Arduino with Mobile Device.
- The Android Mobile OS.
- Using the Bluetooth Module
- Project 4: Creating Android App using MIT App Inventor & controlling arduino connected devices through App.
- Project 5: Voice Controlled Mini Home Automation using Android Smartphone

Outcome of the programme:

The participants will be able to develop IoT based applications using Raspberry Pi and Arduino.

No. of participants: 36

Coordinator

HOD

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-5.

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NARASARAOPET - 522 601.
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NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Webinar on Free Open Source Software's – Scilab

Brochure

ONE DAY WEBINAR

ON

Free Open Source Softwares –Scilab Code

(12th October 2017)

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Signature of the Participant

Signature of the Head of the Institution

Last date for Registration:
5th October 2017

Registration Fee: ***NIL.***

Online meeting link will be provided through WhatsApp.
The number of Participants will be limited to 150

Eligibility
The webinar is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.
*Note: E- Certificates will be provided to those participants who attend all the sessions of the program .

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ABOUT THE WEBINAR

Faculty attending this WEBINAR will be able to get exposure to Scilab and Open Source Software (FLOSS), created mainly for numerical computations. It uses the state of the art numerical libraries, such as LINPACK, EISPACK and LAPACK, and hence, its results are highly reliable .

Topics to be covered:

- Introduction
- The Spoken Tutorial project
- **Learning Scilab from Spoken Tutorials**
- **Useful Scilab cotent developed by FOSSEE**

Registration link:

https://tinyurl.com/freeScilab

For further details contact
Convenor
Dr. V Venkata Rao 9441127585
Coordinator
Mr.P.S.S.Chakravarty, 9885854901

Co-coordinators
Mr. J.V,K.Ratnam, 94409 43215
Mr. J.Narasimha Rao 97036 32376

ONE DAY WEBINAR

ON

Free Open Source Soft wares –Scilab Code

(12th October 2017)

Organized by
Department of
Electronics & Communication Engineering

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NARASARAOPET - 522 601.
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ABOUT THE COLLEGE

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Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

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RESOURCE PERSON

Dr.Kannan Moudgalya, Professor
Department of Chemical Engineering ,
IIT Bombay

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB)
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc,
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. B.V.Rama Mohana Rao
M.Tech, Ph.D (IIT,Kgp)
Principal.

Convenor
Dr. V. Venkata Rao, Professor & Head

Coordinator
Mr.P.S.S.Chakravarty, 9885854901

Co-coordinators
Mr. J.V.K.Ratnam, 94409 43215
Mr. J.Narasimha Rao 97036 32376

Organizing Committee
All the faculty members of the department of ECE



Program Report

NARASARAOPETA ENGINEERINGCOLLEGE(AUTRONOMOUS):NARASARAOPET

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

PROGRAMME REPORT

Name of the Programme: One-day **webinar** on "Free Open Source Softwares –Scilab Code" by Dr.Kannan Moudgalya ,Professor,IIT Bombay.

Date(s) : **12-10-2017**

Resource Person(s) : Dr.Kannan Moudgalya ,Professor,IIT Bombay

Objectives of the Programme:

To introduce concept of Free Open ware Soft wares
To explore the applications of Scilab
To give awareness about Spoken Tutorials

Topics Covered

Prerequisite for the Scilab Workshop

What is Scilab? Why Scilab

Useful Scilab content developed by FOSSEE

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Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS): : NARASARAOPET

Department of Electronics and Communication Engineering

PROGRAMME OUTCOME

Outcome of the Programme: The participants learnt about importance of Open Source Software and Scilab. Based on the introduction given it is very encouraging to practice and use Scilab in many applications . Scilab can be used as good alternative for MATLAB.

No of Participants :- 33

Coordinator
AVNRao

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION
ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

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A Three Day Faculty Development Program on Outcome Based Education

BROCHURE

Course Content:

- ➔ Course Outcome
- ➔ Program Outcome
- ➔ CO-PO Mapping
- ➔ Co-PSO Mapping
- ➔ CO Attainment Process,PO Attainment.
- ➔ Assessment methods

Resource Persons:

- Dr.S.Baskar
  Professor in EEE
  Thyagarajar College of Engineering, Madhurai

IMPORTANT DATES:

- ❖ **last date for Registration: 26/10/2017**
- ❖ **Intimation to Participants: 27/10/2017**

Any Queries Contact:
Mr.Om Prakash Samantray,
Asst.Prof.of CSE Dept,NEC
Mobile:9846336377
Email:Prakash.ogmail.com

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In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell

AICTE ATAL NEC

A Two Day FDP

On

Outcome Based Education

28th – 29th October, 2017

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
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Principal
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(AUTONOMOUS)
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Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

Objective of A Two Day Faculty Development Program on Outcome Based:

The main objective of this FDP is to learn how to write course Course Outcome, to know about program outcomes,CO-PO, Mapping, To learn how to map co's with po's ,co attainment process,po attainment.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200.
- To register, please visit: https://fdponobe.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis.
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

- **last date for Registration: 26/10/2017**
- **Intimation to Participants: 27/10/2017**

Chief Patron

Sri M.S.Chakravarthi
B.Tech-IIT(S (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), MISTE, FIE (I)
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Mr.Om Prakash Samantray,
Asst.Prof.of CSE Dept,NEC

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor,
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	Mr. K.N. Rao
Ms. M. Sireesha	Mr. K. Gnanendra
Mr. P.Lakshminarayana	Ms. O Aruna
Mr G.Lakshminarayana	Ms. Ch.Kamala
Mr.K.Satyam Reddy	Mr Sk.K.M.Basha
Mr.K.V.Narasimha Reddy	Mr Y.Suresh
Ms. S.Chaitanya Bharathi	

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

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Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 29-10-2017

Programme Report

Name of the Programme : A Three - Day Faculty Development Program on Outcome Based Education

Dates : 27-10-2017 to 29-10-2017

Details of the Resource Person(s) :

i. Name: Dr.S.Baskar
Designation: Professor in EEE
Organization: Thyagarajar College of Engineering, Madhurai
Phone number: 9581397338
Mail id: drbaskar.s@gmail.com

Objectives of the Programme : the main objective of this FDP is to learn how to write course Course Outcome,to know about program outcomes,CO-PO Mapping, To learn how to map co's with po's ,co attainment process,po attainment.

Topics Covered :

- Course Outcome
- Program Outcome
- CO-PO Mapping

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(AUTONOMOUS)
NARASARAOPET-522 601.
Guntur (Dist.), A.P.

- Co-PSO Mapping
- CO Attainment Process,PO Attainment.
- Assessment methods

Outcome of the Programme :

After completion of this the faculty should able to,

- Write CO's for a course
- Able to map CO-PO
- CO's with PSO
- Calculate CO Attainment
- Calculate PO Attainment
- Know about assessment methods

No. of Participants :

Coordinator

(Mr.Om Prakash Samantray)

HoD

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NARASIMHAREDDY ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five Day Short Term course on Wireless & Mobile Communications

BROCHURE

Course Content:

- Introduction to open source software
- Types of operating systems(Ex:LINUX)
- Open source Databases(Ex: PostgreSQL)
- Open Source applications(Ex: open office.org)
- Event driven programming languages(Ex: python programming)
- Apache 2.0
- GNU

Resource Persons:

- Mr.Suraj,
  Smart Bridge Technologies,HYD
- Mr.Srikanth,
  Smart Bridge Technologies,HYD

IMPORTANT DATES:

- **last date for Registration: 10/11/2017**
- **Intimation to Participants: 11/11/2017**

Any Queries Contact:
Dr.S.Siva Nageswarao,
Prof.of CSE Dept,NEC
Mobile:8977987777
Email:sivanags@kluniversity.in

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AICTE ATAL NEC

A Five - Day Short Term course on

Open Source Technologies

13th – 17th November 2017

Organized
By

Department of
Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
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Objective of A Five Day Short Term course on Open Source Technologies:

The main objective of this STTP is to create the program is freely available for public to view, edit and redistribute

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://sttponost.org/signup
- There is No Registration Fee.
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Vice-Chairman, NEC Group.

Patrons

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Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE, FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr.S.Siva Nageswarao,
Prof.of CSE Dept,NEC

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor.

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada
Ms. M. Sireesha
Mr. P.Lakshminarayana
Mr.G.Lakshminarayana
Mr K.Satyam Reddy
Mr K.V.Narasimha Reddy
Ms. S.Chaitanya Bharathi
Mr. K.N. Rao
Mr. K. Gnanendra
Ms. O Aruna
Ms. Ch.Kamala
Mr Sk.K.M.Basha
Mr Y.Suresh

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 03-11-2017

Programme Report

Name of the Programme : A Five Day Short Term course on Wireless & Mobile Communications

Dates : 30-10-2017 to 03-11-2017

Details of the Resource Person(s) :

i. Name: Mr.Suarabh Kaushal,
Designation: Flipflop Inforsec Labs
Organization: NITTTR-Chandigarh
Phone number: 7660982843
Mail id: surabhkaushal@gmail.com

i. Name: Sudesh Chopra
Designation: Director,Dept. of Telecommunication,Mohali
Organization: IIT Ropar
Phone number: 7416666870
Mail id: sudesh.c@gmail.com

ii. Name: Mr.Dr.brijesh Kumbhani
Designation: Professor
Organization: IIT Ropar
Phone number: 9912758667
Mail id:brijesh.k@gmail.com

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NARASARAOPET - 522 601,
Guntur (Dist.), A.P.

iii. Name: Mr.Dr.Rakesh Kumar

Designation: Professor

Organization: NITTTR-Chandigarh

Phone number: 9394853390

Mail id:rakeshkumar@gmail.com

iv. Name: Ms. Garima Saini

Designation: Telcocrast Technologies,Mohali

Organization: NITTTR-Chandigarh

Phone number: 9966189916

Mail id :saini.g@gmail.com

Objectives of the Programme : The Course is to discuss important concepts used in mobile & wireless communication involving Voice, Data &Video Transmission and other propagation models.

Topics Covered :

i. Basics of mobile & wireless communications
ii. Cellular communication
iii. Access Techniques-FDMA,TDMA,CDMA
iv. Architecture of GSM
v. 3G
vi. Antennas of 3G Generations

Outcome of the Programme : The participates gain the Knowledge in Basicsof mobile & wireless communications.

No. of Participants : 48

Coordinator

(Dr.S.Siva Nageswarao)

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HoD

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601,
Guntur (Dist.), A.P.

A Faculty Development Programme cum workshop on "New Frontiers in Multiscale Modelling of Advanced Materials."

Brochure

NARASARAOPETA ENGINEERING COLLEGE

(Autonomous)

Affiliated to JNTUK,

Kotappakonda Road, Yellamanda (Post),

Narasaraopet, Guntur(Dt)-522601, Andhra Pradesh, INDIA

REGISTRATION FORM

AICTE SPONSORED

A Two Week

Faculty Development Program cum Workshop on

New Frontiers in Multiscale Modelling of Advanced Materials

Name: _____

Designation: _____

Qualification : _____

Dept.: _____

Organization: _____

Address for Correspondence:

Phone: _____

Email: _____

Payment Details (DD in favor of "Principal, Narasaraopeta Engineering College")

Draft No: _____

Date: _____ **Amount: Rs.** _____

***Accommodation Required: Yes [ ] No [ ]**

Sign. of HOD **Sign. of Applicant**

Note:

1) Please send CV along with Registration form

2) Participants will be selected based on first come and first serve basis.

***Limited accommodation is available**

IQAC

Chief Patron

Sri M.V.Koteswara Rao B.Sc,
Chairman, NEC Group

Sri M.S.Chakravarthi B.Tech, MS(US), MBA(ISB-Hyd),
Vice Chairman, Director, NEC Group

Sri M.Ramesh Babu
Secretary, NEC Group

Patron

Dr. B.V.Rama Mohana Rao
B.Tech(ECE), M.Tech & Ph.D [IIT, KGP],
Principal

Conveners

Dr.K.EphraimBabu, Prof. Mech

Dr.D.Jagadish, Prof. & HOD, Mech

Coordinator

Dr.K.EphraimBabu, Prof. Mech

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Resource Persons

1. Prof. V. Veeraiah, Vice-Chancellor, Vikrama Simhapuri University, Nellore
2. Prof. G. Bhagavannarayana, Director, RGUKT, IIIT, Idupalapaya, Kadapa
3. Prof. B.N. Rajasekhar, Scientific Officer-H, RRCAT-Indore, Professor, Homi Bhabha National Institute BARC-Mumbai
4. Prof. G. Vijaya Prakash, IIT-Delhi
5. Prof. P. Dakshina Murthy, JNTU Kakinada
6. Dr.V.V.S.S. Srikanth, School of Engg. Sciences & Tech., UoH
7. Dr. A. Rajani Kanth, University of Hyderabad - Hyd
8. Dr.D.Sanjeev Kumar, VITS, Deshmukhi, Hyd
9. Dr. N. Yedukondalu, RGUKT, IIIT-Basara
10. Dr. N.V. Suresh, CCNSB, IIIT- Hyderabad
11. Dr. Ritwik Kavathekar, Solution Consultant BIOVIA, 3DS India
12. Dr. K. Ramachandra Rao, Nanoscience Research Centre, Govt.College, Rajahmundry
13. Dr. R.S. Dubey, SCET(A), Narsapur (AP)
14. Dr. K. Chaitanya, VIEW, Visakhapatnam
15. Dr. K.Neeraja , NEC(A), Narasaraopet
16. Dr. K.Vijaya Babu, A.U, Visakhapatnam
17. Dr. N.Murali, A.U, Visakhapatnam

Address for Correspondence
Dr.K. Ephraim Babu, (Coordinator)
Dept. of Mechanical Engg, Narasaraopeta Engg. College (A),
Kotappakonda Road, Yellamanda (Post), Narasaraopet, Guntur(Dt).
E-mail : fdpnec2017mech@gmail.com
Mobile : 09849619867, 7093421388

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPETA - 522 601
Guntur (Dist.), A.P.

AICTE SPONSORED

A Two Week

Faculty Development Program cum Workshop on

New Frontiers in Multiscale Modelling of Advanced Materials

10th – 25th November, 2017

Organized by

Department of Mechanical Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Accredited twice by NBA & NAAC 'A' Grade

Permanently Affiliated to JNTUK,

ISO 9001:2008 Certified

Kotappakonda Road, Yellamanda (Post)

Narasaraopet, Guntur(Dt)-522601,

Andhra Pradesh, INDIA

Ph: 08647-239923 Fax: 239902 Website: nrtec.ac.in

About the Institution:

The Narasaraopeta Engineering College (NEC) is an Autonomous institution, established in 1998 in the picturesque and pleasant environs of Narasaraopeta and is ideally located on a sprawling 40 acre campus. NEC originated under the auspices of Gayathri Educational Development Society, which has the proactive leadership of Sri M.V. Koteswara Rao, Chairman. The college is accredited by NAAC with 'A' grade and all the eligible UG programs are twice accredited by NBA. Also, the institution is certified by ISO 9001:2008. The college offers five courses at B.Tech level in the branches of ME, CSE, EEE, CIVIL and ECE, and eight courses in M.Tech level, MBA and MCA. The campus comprises of aesthetically designed buildings that are networked by Wi Fi technology. The institution is established with the modern workshops and labs, computer and internet facilities, seminar halls, well equipped library and sports facilities that provide an excellent learning environment for the students. The college has an Incubation Center where the students can convert their ideas into Startups. The college has MOU with number of Universities /Organizations/ Industries within India and abroad. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year. The departments of ME, CSE and ECE are recognized as Research Centers under JNTU Kakinada. Narasaraopeta is situated on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km away from Hyderabad and 50 km from Guntur, A.P.

About the Department:

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students. The department offers UG program with an intake of 240 and two PG programs in specializations of Machine Design and Thermal Engineering with intake of 24 each. The course offers a deep insight into the discipline and empowers promising engineers with required skills for a successful career in Mechanical Engineering. The department is recognized as Research and Development Center by JNTUK, Kakinada. The department has excellent infrastructure and is well equipped with modern laboratories. The department has highly qualified, experienced, dedicated faculty with industry and research background.

Objectives of the FDP:

Knowledge of physical properties of materials for their possible applications has always been a prime field of interest. This is completely interdisciplinary research program. This Faculty Development Program cum Workshop serve as good platform for our members and the engineering community to meet each other and to exchange ideas on materials modeling. Eminent scientists/Professors (IIT/ IIIT, Hyderabad Central University, etc.,) in the respective fields will share their experience and knowledge with the young participants, who in turn are expected to promote research activities on the computational design of advanced materials, which find promising applications for the advancement of various technological developments such as optical, magnetic, electrical, electronic, optoelectronic, energy and display devices, etc. Owing to advancement of technologies, sophisticated tools like CASTEP, ABINIT, Quantum ESPRESSO etc., have been used to model materials and chemical behavior at the length scale where this behavior is controlled. This ability is transformational for the discovery process and as a result confers a significant competitive advantage.

Benefits to Faculty & Program Outcome:

This workshop will give an effective impact on the young researchers/Teaching Faculty in the area of Materials Modeling for their variety of possible applications. This FDP specially focus on various open source as well as licensed tools of ab-initio/first principle calculations available for the prediction of variety of materials as well as device properties. The workshop will be of great importance in the sense that it will be attended by young chemists, physicists, biologists and engineers making it truly interdisciplinary in nature so it is not only to learn the methods but also to share the research findings on preparation, analysis of structure and other properties in the macro to nano-scale and their possible application in the medicine, automotive, chemical, electronics and electrical engineering. Advanced materials have played key role in shaping the modern civilization. Resource persons will give training to the participants on how to install and run the open source tools like ABINIT, Quantum ESPRESSO. (For CASTEP and WIEN2K data analysis will be covered)

Materials characterization techniques will be described for elemental analysis, composition, structure and perfection of materials including bulk, single crystal, thin films and devices .

The broad list of research fields covered under present FDP program include topics on materials such as Photonic, Electronic and Optoelectronic devices, Nanotechnology, Semiconductor devices, Superconductivity, Electronic structures and phonons, Optical, structural, magnetic and electrical properties of materials.

Topics also include Modeling and Simulation (Device modeling, Process modeling and simulations) of Semiconductor Materials and Devices, Energy Materials and devices, Health Materials and devices. The modeling techniques are useful to estimate the properties like optical, electronic, magnetic, ferroelectric, piezoelectric and multiferroic type.

Eligibility/How to Apply:

- This FDP program is open to all the faculty from AICTE approved institutions, Research Scholars of IIT's, NIT's and other universities and Scientists from research labs, etc.
- Participants in the departments of Electronics and Communication Engineering, Mechanical Engineering, Chemical Engineering, Computer Science Engineering, Civil Engineering, Aeronautical Engineering and Electrical Engineering, Physics, Chemistry may take part in the study of the properties of the Materials.

Registration Fee:

1. Teaching Faculty* (Refundable) : Rs. 500/-
2. Industry/ R&D Organizations : Rs. 1000/-

- ✓ *Refundable to those faculty members who have successfully completed the FDP.
- ✓ Working lunch and snacks, TA/DA will be paid for out station faculty. (As per the eligibility and guidelines)
- ✓ Accommodation for the outstation participants will be arranged with prior information

Notification of Acceptance by mail: 30th OCT 2017
Last date of Registration : 2nd NOV 2017

Submission of Registration forms:
Filled in Registration forms can be mailed to
fdpnec2017mech@gmail.com

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PRINCIPAL
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001: 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:28-11-2017

PROGRAMME REPORT

Name of the Programme : A Faculty Development Programme cum workshop on "New Frontiers in Multiscale Modelling of Advanced Materials."

Dates : 10th November 2017 to 25th November, 2017

Details of the Resource Persons :

1. Name : Prof. V. Veeraiah
   Designation : Vice-Chancellor
   Organization : Vikram Simhapuri University, Nellore.
   Phone No : 9247177474
   Mail.Id : vveeraiah@yahoo.co.in
2. Name : G. Bhagavannarayana
   Designation : Director, RGUKT
   Organization : IIT Idupalapaya, Kadapa.
   Phone No : 09871579152
   Mail.Id : bhagavanna55@gmail.com

Objective of the programme:

Knowledge of Physical properties of materials for their possible applications has always been a prime field of interest. This is completely interdisciplinary research program. This faculty development program cum workshop serves as good platform for our members and engineers' community to meet each other and exchange ideas on materials modeling, eminent scientists/professors (IIT, IIIT, Hyderabad, Central University etc.) in the respective fields will share their experience and knowledge with the young participants, who in turn are expected to promote research activities on the computational design of advanced materials, which find

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promising applications for the advancement of various technological developments such as optical, magnetic, electrical, electronics, optoelectronics, energy and display devices etc. owing to advancement of various technologies, sophisticated tools like CASTEP, ABINIT, Quantum ESPRESSO etc., have been used to model materials and chemical behavior at the length scale where this behavior is controlled is controlled. This ability is transformational for the discovery process and as a result confer a significant competitive advantage.

Topic Covered:

- Materials characterization techniques will be described for elemental analysis, composition, structure and perfection of materials including bulk, single crystal, thin films and devices.
- The broad list of research fields covered under present FDP program include topics on materials such as Photonic, Electronic and Optoelectronic devices, Nanotechnology, Semiconductor devices, Superconductivity, Electronic structures and phonons, optical, structural, magnetic and electrical properties of materials.
- Topics also include Modeling and Simulation (Device modeling, Process Modelling and Simulations) of Semiconductor Materials and Devices, Energy Materials and devices, Health Materials and devices. The modeling techniques are useful to estimate the properties like optical, electronic, magnetic, ferroelectric, piezoelectric and multiferroic type.

Outcome of the programme:

The workshop will give an effective impact on the young researchers/ Teaching faculty in the area of Materials Modelling for their variety of possible applications. This FDP specially focus on various open source as well as licensed tools of ab-initio/ first principle calculations available for the prediction of variety of materials as well as device properties. The workshop will be of great importance in the sense that will be attended by young chemists, physicists, biologists and engineers making it truly interdisciplinary in nature so it is not only to learn the methods.

No. of participants: 60

Coordinator

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HOD

Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five Day Short Term course on Open Source Technologies

BROCHURE

A Short Term Course on "Curriculum Development"

on

04th Dec, 2017 to 8th Dec, 2017

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
nrtec_cse@yahoo.com.
Any queries contact: +91-8096622595

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college offers six M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. College also offers four Diploma courses. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A Short Term Course on "CURRICULUM DEVELOPMENT"

On

4th Dec, 2017 to 8th Dec, 2017

In Association
With
NITTTR-Chandigarh

Organized
By
Department of Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
ISO 9001: 2008 Certified.
Two Recognized R&D centers by JNTUK

Phone : 08647-239912
FAX : 08647-239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

OBJECTIVE OF WORKSHOP

The main objective of this course is to improve the educational offerings and its instructional activities and practices in order to increase student engagement in the learning process and improve student achievement.

The Board encourages practices that seek to engage the broader community in the evaluation of curriculum and instruction and in generating ideas for improvement.

The Board's belief is that all instructional personnel have a professional obligation to participate in and contribute to the curriculum development and evaluation processes.

Curriculum development and evaluation should be guided and supported by appropriate internal and external research.

The curriculum guides shall address and facilitate instructional differentiation within the applicable course of study.

Creative and flexible approaches to learning and teaching offering an innovative curriculum developed with the aspirations and interests of the student at the center. Making effective use of ICT and new technologies to motivate and inspire students. Nurturing close partnerships with local and international organizations, giving students a wide range of opportunities to experience the world of work.

Resource Persons:

Dr. SS Pattnaik,
Director, NITTTR-Chandigarh

Dr. AB Gupta,
Prof. and Head, CDC, NITTTR, Chandigarh

PK Singla,
Associate Professor, CDC, NITTTR, Chandigarh

SK Gupta,
Associate Professor, CDC, NITTTR, Chandigarh

Mrs. Rama Chhabra,
Associate Professor, CDC, NITTTR, Chandigarh

Dr. Anil Kumar,
Professor, NITTTR, Bhopal

V.P. Puri,
Ex Professor, NITTTR, Chandigarh

YK Anand,
NITTTR, Chandigarh

Chief Patrons

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M.S. Chakravarthi
B.Tech, MS (US),MBA(ISB-Hyd)
Director, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group

Patron

Dr. B.V. Rama Mohana Rao
B.Tech (ECE), M.Tech. (IIT KGP) & Ph.D. (IIT KGP)
Principal.

Conveners

Dr.K. Lakshminadh,
Associate Professor.
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

ORGANIZING COMMITTEE

Ms. Dr. B.Jhansi Vazram
Ms. G. L. N. Jayaprada
Mr.K.Nitalaksheswara Rao
Mr. K. Hazarathaiah
Mr. G.E.Sastry
Mr. N. Kiran Babu
Ms. M. Sita Kalyani
Mr.O.Gandhi
Ms. Sd. Rizwana
Mr. Sk.Abdul Rasheed
Mr. Sk.Karimulla
Mr.S.Ram Chandra
Mr. N. Brahma Naidu

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 17-11-2017

Programme Report

Name of the Programme : A Five Day Short Term course on Open Source Technologies

Dates : 13-11-2017 to 17-11-2017

Details of the Resource Person(s) :

Name : Mr. Ranjit Sen Gupta
Designation : Director
Organization : Advantage Pro, Chennai
Phone No. : 9840082180
Mail-id : ranjit@vectratech.in

Objectives of the Programme : The main objective of this STTP is to create the program is freely available for public to view, edit and redistribute.

Topics Covered :

i. Introduction to open source software
ii. Types of operating systems(Ex:LINUX)
iii. Open source Databases(Ex: PostgreSQL)
iv. Open Source applications(Ex: open office.org)
v. Event driven programming languages(Ex: python programming)
vi. Apache 2.0
vii. GNU

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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Outcome of the Programme : The participate gain the knowledge on open source technology to define the production and development philosophy of allowing end users and developer to not only see the source code of software, but modify it as well.

No. of Participants : 48

Coordinator

(Dr.S.Siva Nageswarao)

HoD

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(AUTONOMOUS)
NARASARAOPET - 522 601.
GUNTUR (Dist.), A.P.

A Five Day Short Term course on Curriculum Development

BROCHURE

Course Content:

- → Introduction
- → Mission of the department ,Objectives
- → Core Strengths of the department,Faculty research areas ,Achievements,Long term programmes
- → Curricula developed,Pedagogy research contribution
- → Research and development activities undertaken.Consultancy projects for academia/industries/field agencies.

Resource Persons:

i. Dr.S.S.Pattnaik,
Director NITTTR-Chadigarh

ii. Dr.A.B.Guptha,
Prof. & Head,CDC, NITTTR-Chadigarh

iii. Mr.P.K.Singla,
Associate Professor, CDC, NITTTR-Chadigarh

iv. Mr.SK Guptha,
Associate Professor, CDC, NITTTR-Chadigarh

v. Mr.Rama Chhabra,
Associate Professor, CDC, NITTTR-Chadigarh

vi. Dr.Anil Kumar,
Prof. NITTTR,Bhopal

vii. V.P.Poori,
Ex Professor, NITTTR-Chadigarh

viii. Mr.Y.K.Anand,
NITTTR-Chadigarh

IMPORTANT DATES:

- **last date for Registration: 29/11/2017**
- **Intimation to Participants: 30/11/2017**

Any Queries Contact:

Dr.K.Lakshminadh
Prof.of CSE Dept,NEC
Mobile:9948146862
Email:Drklmn7@gmail.com

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

ATAL NEC

A Five Day Short Term course

On

LINUX Administration using CentOS

4th – 8th December 2017

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year.

Objective of A Five Day Short Term course on LINUX Administration using CentOS : The goal is to provide coverage of basic tasks including topics like Finding and Discovering Commands, Intepreting Command Help, Configure, Administer and Monitor a Red Hat Enterprise Linux (EL) Linux Server.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://fdponlinux.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 29/11/2017**
- **Intimation to Participants: 30/11/2017**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US), e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK), MISTE, FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr.K.Lakshminadh,
Prof.of CSE Dept,NEC

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Ms. S.Chaitanya Bharathi	

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 08-12-2017

Programme Report

Name of the Programme : A Five Day Short Term course on Curriculum Development

Dates : 04-12-2017 to 08-12-2017

Details of the Resource Person(s) :

i. Name: Dr.A.B.Guptha,
Designation: Prof. & Head,CDC
Organization: NITTTR-Chadigarh
Phone number: 8519992167
Mail id: gupthagmail.com

ii. Name: Mr.P.K.Singla,
Designation: Associate Professor, CDC,
Organization: NITTTR-Chadigarh
Phone number: 9666990809
Mail id: singlap@gmail.com

i. Name: Mr.SK Guptha
Designation: Associate Professor, CDC,
Organization: NITTTR-Chadigarh
Phone number: 9030339748
Mail id: shaikguptha@gmail.com

ii. Name: Mr.Rama Chhabra
Designation: Associate Professor, CDC
Organization: NITTTR-Chadigarh
Phone number: 9704901966
Mail id: ramachhabra@gmail.com

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Guntur (Dist.), A.P.

iii. Name: Dr.Anil Kumar
Designation: Professor
Organization: NITTTR,Bhopal
Phone number: 7382874867
Mail id: anilkumar@gmail.com

iv. Name: V.P.Poori
Designation: Ex Professor
Organization: NITTTR-Chadigarh
Phone number: 9989217068
Mail id: poori78@gmail.com

v. Name: Mr.Y.K.Anand
Designation: Asst.Professor
Organization: NITTTR-Chadigarh
Phone number: 9700786785
Mail id: anand.yk@gmail.com

vi. Name: Dr.S.S.Pattnaik
Designation: Director
Organization: NITTTR-Chadigarh
Phone number: 8106611098
Mail id: pattnaiks@gmail.com

Objectives of the Programme : To improve the Educational offerings and its instructional activates and practices in order to increase student engagement in the learning process and improve student achievement.

Topics Covered :

i. Introduction
ii. Vision of the department
iii. Mission of the department
iv. Objectives
v. Core strengths of the department
vi. Faculty research areas
vii. Achievements
viii. Long term programmes

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ix. Curricula developed
x. Pedagogy research contributions
xi. Research and development activities undertaken
xii. Consultancy projects for academia/industries/field agencies

Outcome of the Programme : Curriculum Development and Evolution should be guided and supported by appropriate internal & external research.

No. of Participants : 40

Coordinator
(Dr.K.Lakshminadh)

HoD

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A 11-day E-Learning on Python Programming

Brochure

A 11-day E-Learning on Python Programming

REGISTRATION FORM

Name:_____

Designation:_____

Mobile:_____

College Name:_____

E-Mail:_____

Registration Fee: Nil.

Signature of the Participant

Signature of the Head of the Institution

Last date for Registration:
1st February,2018

Registration Fee: ***NIL***

Online meeting link will be provided through whatsapp.
The number of Participants will be limited to 50

Eligibility

The FDP is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.

*Note: E- Certificates will be provided to those participants who attend all the sessions of the program.

ABOUT THE STTP

Faculty attending this FDP will be able to get a thorough understanding of widely comprehensive Python training for those who prefer to come up to speed on building Python capabilities. Python is a general-purpose and high-level programming language. You can use Python for developing desktop GUI applications, websites and web applications. Also, Python, as a high-level programming language, allows you to focus on core functionality of the application by taking care of common programming tasks.

Topics to be covered:

- Getting started with IPython
- Using plot command interactivly
- Embellishing a plot
- Saving plots,Multiple plots,Subplots
- Additional features of IPython
- Loading Data from Files
- Plotting Data
- Other Types of Plots
- Plotting Charts

Note: Registration forms duly signed by Head of Institution can be sent to ecehod@nrtec.ac.in

For further details contact

Convenor
Dr. V Venkata Rao 9441127585
Coordinator
Dr.K.Sreenivasa Ravi,9441258564

Co-Coordinators
Dr. K. Raju, 6281429537
Dr. B. Raghavaiah, 9247217357
Dr.A.V.Nageswara rao,9440664462

A 11-day E-Learning on Python Programming
(05th March – 22nd March, 2018)

In Association with

Organized by
Department of
Electronics & Communication Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA.

Phone: 08647-239914
FAX: 08647-239902
E-Mail: ecehod@nrtec.ac.in

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Six courses at B.Tech level in the branches EEE, CSE, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college. In order to build a vibrant entrepreneurship ecosystem Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (MRO) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B.Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programs, M.Tech (Digital Electronics and Communication Systems) which was started in the year 2004 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18 each. The department has a team of highly qualified, experienced and dedicated teaching faculty.

The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the art equipment and latest software. The UG programme of the department is accredited thrice by NBA. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

RESOURCE PERSONS

Mr. K. Naga Kumar
M.D
Metro Labs, Hyderabad

Mr.M.Trilok Chowdary
Senior Technical Member
Metro Labs, Hyderabad

Mr. Shrikant Bhisade
Design Engineer II
AMD India

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc,
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I).
Principal.

Convenor
Dr. V. Venkata Rao, Professor & Head

Coordinator
Dr. K. Sreenivasa Ravi
Professor, Dept. of ECE

Co-coordinators
Dr. K. Raju, Professor
Dr. B. Raghavaiah, Professor
Dr. A.V. Nageswararao, Associate Professor,

Organizing Committee

Prof. J. V. K Ratnam
Prof. P .S.S.Chakravarthi
Mr. J. Narasimha Rao
Mr. A. Charles Stud
Mr. V. Naveen Raja
Mr. G. Srinivasa Rao
Mr. P. Bhagya Raju
Mr. Y. V. Lakshmaiah
Mr. Sk. Zuber Basha
Mr. N. Srinivasa Rao
Mr. V. Rama Krishna Reddy
Mr. M. Srinivasa Rao
Mrs. B. Suneetha
Mrs. T. Indira
Mr. A. Raveendra Babu
Mr. T. Ravi Kanth
Mrs. P. Vasanthi
Mr. N. Rajeev Reddy
Mr. Ch. Suresh Babu
Mr. E. Narendra
Mr. Ch. Karthik



Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date:28.03.2018

PROGRAM REPORT

Name of the Program : A 11-day E-Learning on Python Programming

Dates : 05/03/2018 to 22/3/2018

Details of the Resource Person :

Name : Mr. K. Naga Kumar
Designation : M.D
Organization : Metro Labs, Hyderabad
Phone No : +91-9951222468
Mail id : md@metrolabsservices.com

Name : Mr.M.Trilok Chowdary
Designation : Senior Technical Member
Organization : Metro Labs,Hyderabad
Phone No +91-9951222468
Mail id chowdary.mt@metrolabsservices.com

Name : Mr. Shrikant Bhisade,
Designation : Design Engineer II
Organization : AMD India
Phone No : +91-9885411042
Mail id : shri.bhisade01@gmail.com

Objectives of the Program :

- To acquire programming skills in core Python.
- To acquire Object Oriented Skills in Python.
- To develop the skill of designing Graphical user Interfaces in Python.
- To develop the ability to write database applications in Python.

Topics covered :

Various topics were unfolded by the eminent speakers during this FDP. Following topics were covered with the hands-on sessions:

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Guntur (Dt.)

- Getting started with IPython
- Using plot command interactivly
- Embellishing a plot
- Saving plots,Multiple plots,Subplots
- Additional features of IPython
- Loading Data from Files
- Plotting Data
- Other Types of Plots
- Plotting Charts

Outcome of the Program :

- Design real life situational problems and think creatively about solutions of them.
- Apply a solution clearly and accurately in a program using Python.
- Apply the best features of mathematics, engineering and natural sciences to program real life problems

No.of Participants : 65

K.S. Rani.

Coordinator

HOD
HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

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NARASARAOPET-522 601.

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

A Five Day Short Term Course on Embedded Systems

Brochure

A Short Term Course on "Embedded Systems"

(Training Programme through ICT)

From

19th March, 2018 to 23rd March, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of a short term course.

Signature of the Applicant

Date:

Place:

Note: Send Registration forms to
nrtec_ece@yahoo.com
Any queries contact: +91-7353766700

Note: No registration fee

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. College also offers four Diploma courses. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A Short Term Course on "EMBEDDED SYSTEMS"

(Training Programme through ICT)

From

19th March, 2018 to 23rd March, 2018

(09:00 AM to 04:00 PM)

In Association
With
NITTTR-Chandigarh

Organized
By
Department of
Electronics and Communication Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
ISO 9001: 2008 Certified.
Two Recognized R&D centers by JNTUK

Phone : 08647-239914
FAX : 08647-239902
E-Mail : **nrtec_ece@yahoo.com**

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B.Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, M.Tech. (Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech.(Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited twice by ***AICTE-NBA***. The department is recognized as ***Research Center by JNTUK***, Kakinada in 2016.

The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research. E-Yantra ES & Robotics Lab - IITB support.

OBJECTIVE OF WORKSHOP

The objective of the course is to focus on Embedded System (ES) Designs, the latest trend in Embedded System including Microcontrollers overview, embedded systems applications. To be able to design, describe, validate and optimise embedded electronic systems in different industrial application areas. Define hardware and software communication and control requirements in ES. Used tools for the development and debugging of programs implemented on microcontrollers and DSPs can be discussed. Design electronic circuits for the processing of information in communications and control systems based on ES concepts. Acquiring knowledge of sensor properties and apply these in the design of Electronic systems which integrate measurement and actuation in different industrial production contexts, leading to rapid prototyping of embedded Control systems.

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COURSE CONTENT

Introduction to Micro-controllers like PIC, AVR, Embedded processors, Reconfigurable devices like MMX series, MIPS, ARM System – on – Chip, Application Specific Integrated Circuits, Modeling of multi-processor systems, Applications of embedded system designing includes Wireless Sensor & their networking.

COMPETENCIES

- Creating secure systems that can tolerate faults.
- Design, program and evaluate systems in real time.
- Designing electronic circuits for the processing of information in communications and control systems.
- Work in multidisciplinary teams, with a particular emphasis on interpersonal professional relationships.
- The ability to work self-sufficiently and adapt to new situations, knowing how to promote creativity and sensitivity to quality.



ABOUT THE NITTTR

In realization of the need for training better quality technicians to meet the large scale industrialization of the country, the ministry of Human Resource Development (the then Ministry of Education), Government of India established four Regional Technical Teachers' Training Institutes (now National Institute of Technical Teachers Training & Research, NITTTR at Bhopal, Chandigarh, Chennai and Kolkata in 1967. The Institute at Chandigarh is one of these four NITTTRs, started in collaboration with Royal Netherlands Government (upto 1974). The Institute is registered under the Societies Registration Act, 1860 and is managed by a Board of Governors. The institute started with long term teachers' training programmes for polytechnic teachers in 1967 and was also entrusted with the responsibility of promoting curriculum development work for the states in the region. To improve the competence of teachers for implementing new curricula designed by this institute,

Chief Patrons

Sri M. V. Koteswara Rao B.Sc.

Chairman, NEC Group

Sri M. S. Chakravarthi B.Tech, MS (US),MBA(ISB-Hyd)

Vice - Chairman, NEC Group

Sri M. Ramesh Babu

Secretary, NEC Group

Patron

Dr. D. Suneel B.Tech, M.Tech & Ph.D
Principal

Convener

Dr. V Venkata Rao B.Tech, M.Tech & Ph.D
Professor & Head, Dept. of ECE

Coordinator

Dr. Prakash Kodali
Associate Professor, Dept., of ECE,
M.Tech (IISc), Ph.D. (IISc), M-IEEE, GYTI – Inv

ORGANIZING COMMITTEE

Dr. M. Ajay Kumar	Mr. A V Nageswara Rao
Mr. J. Narasimha Rao	Mr. G. Sai Ganesh
Mr. J. V. K Ratnam	Mr. B. Bala Raju
Mr. P. S. S. Chakravarthy	Ms. T. Indira
Mr. A. Charles Stud	Mr. A. Raveendra Babu
Ms. B. Padmavathi	Mr. T. Ravi Kanth
Mr. V. Naveen Raja	Mr. Sk. Nagur Shareef
Mr. G. Srinivasa Rao	Ms. P. Vasanthi
Mr. P. Bhagya Raju	Mr. P. Siva Prasad
Mr. Y. V. Lakshmaiah	Ms. K. Siva Kumari
Mr. Sk. Zuber Basha	Mr. T. Muni Kumar
Mr. N. Sayedu Khasim	Mr. Shajahan Pathan
Mr. A. Srinu	Mr. N. Rajeev Reddy
Mr. B. Raja Sekhar	Mr. Rama Krishna Reddy
Mr. N. Srinivasa Rao	Mr. Suresh Babu
Mr. M. Srinivasa Rao	Mr. E. Narendra
Ms. E.V. Santhi	Mr. Ch. Karthik
Ms. Ch. Krishna Priya	Mr.B.Koteswararao

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Local coordinators: K. Prakash

Program Report

NARASARAOPETA ENGINEERINGCOLLEGE(AUTRONOMOUS):NARASARAOPET

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

PROGRAMME REPORT

Name of the Programme: A Five Day Short Term Course on Embedded Systems by Dr. Kanika Sharma

Date(s) : **19-03-2018 to 23-3-2018**

Resource Person(s) : Dr.Kanika Sharma

Objectives of the Programme: To introduce basics of Embedd Syatems

To apply knowledge of embedded systems

To enhance programming skills in Embedded C

Topics Covered

Prerequisite for Embedded Systems.

What is Embedded System? Why Embedded System?

Basics of Embedded C and fundamentals of hardware.

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NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS): : NARASARAOPET

Department of Electronics and Communication Engineering

PROGRAMME OUTCOME

Outcome of the Programme:. All the participants actively involved in learning the basics of Embedded System both software as well as hardware. It is a good experience to learn Embedded C and use in many interfacing applications.

No of Participants : 31

Coordinator PK

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

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PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

A Short-Term Course for faculty on "Environment Pollution"

Brochure

A Short Term Course on

"ENVIRONMENT POLLUTION"

from

19th MARCH, 2018 to 23rd MARCH, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date:

Place:

Note: Send Registration forms to
civilhodnec@gmail.com
Any queries contact: +91-9885812796

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with in association with I2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants.

Narasaraopet is on the railway line of Guntur to Gumakal and is on the state highway. It is 240 km from Hyderabad and 30km from Guntur, A.P.



A Short Term Course on

"ENVIRONMENT POLLUTION"

from

19th MARCH, 2018 to 23rd MARCH, 2018

In Association
With
NITTTR-Chandigarh

Organized
By
Department of
Civil Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
ISO 9001: 2008 Certified.
Two Recognized R&D centers by JNTUK

Phone : 08647-239006
FAX : 08647-239002
E-Mail : civilhodnec@gmail.com

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2009 with an intake of 60 students. The department offers UG and PG programs. The course offers a deep insight into the discipline and empowers promising engineers with required skills for a successful career in civil engineering. The students of the department have the credit of winning prizes in academics and sport categories from various reputed organizations. The student of very first batch has received gold medal from JNTUK-Kakinada in academics. The department has excellent infrastructure and is well equipped with modern laboratories. The department has highly qualified, experienced, dedicated faculty with industry and research background. With a spectacular academic success present intake has enhanced to 120.

OBJECTIVE OF WORKSHOP

The major objective of Environmental Pollution is to bring about all round improvement in the quality of the environment by understanding the sources of pollution, Control of pollution to the maximum extent possible with due regard to technological achievement and economic viability as well as sensitivity of the receiving environment which can be achieved by laying down the disposal standard as well as gaseous emission standards.

The object of this program is to expose the faculty to various challenges in the Environment and its impact over the climate change, various waste disposal methods. It also aims to create awareness about various Environment laws and present codes of utilization.

COURSE CONTENT

1. Possible causes of pollution and pollutants
2. Environmental quality
3. Water pollution
4. Air pollution
5. Greenhouse gas emissions
6. Noise pollution
7. Deforestation & Sand Erosion
8. Solid waste pollution
9. Controlling methods & precautionary measures

RESOURCE PERSONS

- Dr. Sanjay Kr.Sharma, Professor, Civil Engineering Department, NITTTR, Chandigarh
- Er.Himmi Gupta, Assistant Professor, Civil Engineering Department, NITTTR, Chandigarh

WORKSHOP COMMITTEE

Chief Patron:

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.

Patrons:

Sri M.S. Chakravarthi
B.Tech., MS(US), e-MBA @ ISB, Hyd.
Vice - Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron:

Dr. M. Sreenivasa Kumar
B.Tech, M.Tech, Ph.D
Principal

Conveners:

Mr. G. Babu Rao,
Asst. Professor

Mr.S. Kanakambara Rao,
Professor & HOD, Dept. of Civil.

ORGANIZING COMMITTEE

Mr. M.Srinivas Rao	Mr. D.Naganju
Mr. Y.Anjaiah	Mr.K.N.Lakshmaiah
Mr. K.V.N.Laxman Naik	Mr.K.Anil kumar
Mr. K.Venkatesh	Mr. K.V.Pratap
Ms. V.Lakshmi	Ms. K.Prayusha
Ms. D.Bhargavi	Ms. Ch.S.Tirumala Devi
Ms. M.Padma	Ms. M.Sivani
Ms. G.Mallika	Mr. B.Hari kumar
Mr. K.Dinesh kumar	

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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET

(AUTONOMOUS)
Kotappakonda Road, Yallamanda (P.O), NARASARAOPET-522 601, Guntur Dist. A.P.
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ISO 9001: 2008 Certified Institution

A Short term Course on

"ENVIRONMENT POLLUTION"

In

Association with NITTTR-Chandigarh

Chief Patron:

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.

Patrons:

Sri M.S. Chakravarthi
B.Tech., MS(US), e-MBA @ ISB, Hyd.

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Principal

Conveners:

Mr. G. Babu Rao,
Asst. Professor

Mr.S. Kanakambara Rao,
Professor & HOD, Dept. of Civil.

Resource Persons

Dr. Sanjay Kr.Sharma, Professor,
Civil Engineering Department, NITTTR,
Chandigarh

Er.Himmi Gupta, Assistant Professor,
Civil Engineering Department, NITTTR,
Chandigarh

Organizing Committee

Mr. M.Srinivas Rao	Mr. D.Nagaraju
Mr. Y.Anjaiah	Mr.K.N.Lakshmaiah
Mr. K.V.N.Laxman Naik	Mr.K.Anil kumar
Mr. K.Venkatesh	Mr. K.V.Pratap
Ms. V.Lakshmi	Ms. K.Pratyusha
Ms. D.Bhargavi	Ms. Ch.S.Tirumala Devi
Ms. M.Padma	Ms. M.Sivani
Ms. G.Marlina	Mr. B.Hari kumar
Mr. K.Dinesh kumar	

INVITATION

Date: 17-03-2018.

Sub: - A Short Term Course on
"ENVIRONMENT POLLUTION"– Reg.

Dear Sir/Madam,

We are glad to inform you that our college is organizing a short term course on "Environment Pollution", from 19th March 2018 to 23rd March -2018 in association with NITTTR – Chandigarh.

We are enclosing a copy of brochure with full details and request you to display it on your notice boards and distributed to your faculty members.

The major objective of Environmental Pollution is to bring about all round improvement in the quality of the environment by understanding the sources of pollution, Control of pollution to the maximum extent possible with due regard to technological achievement and economic viability as well as sensitivity of the receiving environment which can be achieved by laying down the disposal standard as well as gaseous emission standards.

The object of this program is to expose the faculty to various challenges in the Environment and its impact over the climate change, various waste disposal methods. It also aims to create awareness about various Environment laws and present codes of utilization.

In this regard the faculty members are invited to participate in the short term course on "Advanced Manufacturing Methods".

Hence, on behalf of the organizing committee, I request you to encourage your faculty members to actively participate in the short term course and make it a grand success.

With Regards,

Conveners

Mr. G. Babu Rao, Asst. Professor
Mr.S.Kanakammbara Rao, Prof & HOD CE

Principal

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NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yallamanda (P.O), NARASARAOPET-522 601, Guntur Dist. A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited "A" Grade by NAAC, Accredited Twice by NBA,
Two Recognized R&D centres by JNTUK,
ISO 9001: 2008 Certified Institution

Date: 26/03/2018

PROGRAMME REPORT

Name of the Programme : **A Short Term Course on "ENVIRONMENT POLLUTION"**

Dates : 19/03/2018 to 23/03/2018

Details of the Resource Person

Name : Dr. Sanjay Kr.Sharma

Designation : Professor, Civil Engineering Department

Organization : NITTTR, Chandigarh

Phone No. : 0172-2759514

Email : sanjaysharmachd@gmail.com

Objectives of the Programme:

- Source of pollutants
- Severity of Pollution
- Environment quality
- Learning the types of pollution
- Effects of greenhouse gases
- Causes of over growth of population
- Over consumption of resources
- Proper disposal of pollutants
- Control of pollution at source

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Topics Covered:

- Possible causes of pollution and pollutants
- Environmental quality
- Water pollution
- Air pollution
- Greenhouse gas emissions
- Noise pollution
- Deforestation & Sand Erosion
- Solid waste pollution
- Controlling methods & precautionary measures

Outcomes of the Programme:

- Knowledge of understanding the source of pollution
- Maintaining quality in the environment
- Reducing severity of water pollution
- Controlling of air pollution by alternate fuels
- Sources of greenhouse gas emission
- Avoiding of noise pollution
- Conserving of resources
- Preventing soil erosion
- Reduction of solid waste disposal
- Implementing of pollution controlling methods
- Undertaking precautionary measures

No. of participants: 20

Coordinator

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HOD

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(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

A Five Day Short Term Course on LINUX Administration using CentOS

BROCHURE

Course Content:

- Introduction to IoT, Current products, Open source electronics for IoT, IoT languages and its tools.
- Communication protocols, interconnections, system design and development, latest sensors and actuators.
- IoT cloud, Image processing applications in IoT
- Data management and big data analytics in IoT.

Resource Persons:

- Mr.Suraj,
  Smart Bridge Technologies,HYD
- Mr.Srikanth,
  Smart Bridge Technologies,HYD

IMPORTANT DATES:

- **last date for Registration: 23/05/2018**
- **Intimation to Participants: 24/05/2018**

Any Queries Contact:

G.L.N.Jayaprada,
Asst.Prof.of CSE Dept,NEC

Mobile:

Email:

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

ATAL

NEC

A One Day FDP

On

Internet of Things

25th May 2018

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC

(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)

Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST. A.P.
www.nrtec.in, Email: cschod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

Objective of A Five Day Short Term course on Open Source Technologies :
The aim of this programme is to introduce the participants to the amazing world of IoT and its fascinating applications.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://sttponiot.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis.
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

- **last date for Registration: 23/05/2018**
- **Intimation to Participants: 24/05/2018**

Chief Patron
Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons
Sri M.V.Koteswara Rao
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK), MISTE, FIE (I)
Principal.

Convener
Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator
G.L.N.Jayaprada,
Asst.Prof.of CSE Dept,NEC

Co-Coordinators
Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V.Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor.

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Ms. S.Chaitanya Bharathi	

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 30-04-2018

Programme Report

Name of the Programme : A Five Day Short Term Course on LINUX Administration using CentOS

Dates : 04-04-2018 to 30-04-2018

Details of the Resource Person(s) :

Mr. Ranjit Sen Gupta,
Director,Advantage Pro, Chennai,
9840082180,
ranjit@vectratech.in.

Objectives of the Programme :

The goal is to provide coverage of basic tasks including topics like Finding and Discovering Commands, Interpreting Command Help, Configure, Administer and Monitor a Red Hat Enterprise Linux (EL) Linux Server.

Topics Covered :

i. Introduction to CentOS Linux
ii. Installing CentOS Server
iii. Using the Command Line
iv. System Administration
v. File System Management
vi. Configuring Server for Security
vii. Personalizing the System

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viii. Configuring a Network Connection
ix. Using CentOS Server as a File Server
x. Configuring Network Infrastructure Services
xi. Setting up Web Services
xii. Setting Up the Firewall with iptables
xiii. Setting Up the Mail Server

Outcome of the Programme : To develop competence and confidence in administrating and customizing Linux Systems.

No. of Participants : 30

Coordinator
(Dr.K.Lakshminadh)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601,
Guntur (Dist.), A.P.

A Five-Day Workshop on Programming for "Controller through MATLAB"

Brochure

A 5-day Short Term Course on "Programming for controller through MATLAB"

On

1st May, 2018 to 05th May, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the short-term course.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
eeehod@nrtec.ac.in
Any quires contact: 08647-239913

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech Programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The college has established venture development Centre (VDC) in association with in association with i2E north-eastern university USA and APSSDC. Also the college has Indo-European skilling Centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany.



A 5-day Short Term Course on "Programming for controller through MATLAB"

On

1st May, 2018 to 05th May, 2018

Organized

by

Department of Electrical and Electronics Engineering

NEC

Phone : 08647-239913
FAX : 08647-239913
E-Mail : **eeehod@nrtec.ac.in**

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(AUTONOMOUS)
NARASARAOPET 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of EEE started in the year 1998, EEE department offers an AICTE-approved four-year undergraduate programme (B.Tech) in Electrical & Electronics Engineering. The JNTU-Kakinada-affiliated department is twice accredited by the NBA, in 2009 & 2013, and is certified by the ISO. EEE course offers expertise in electrical machines, power electronics, generation, transmission and distribution of power, power system operation and its control using computer methods such as artificial neural networks, Fuzzy Logic, micro-controllers and more. The department conducts research programs, seminars, and workshops to widen the knowledge base of students and faculty members. By the end of the four years, our students are equipped to become professionals, scholars, academicians, researchers, and entrepreneurs right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

OBJECTIVE OF COURSE

This training programme is specially designed for Engineering College Teachers and it mainly deals with various aspects of MATLAB. The course aims to achieve the following objectives:Use of MATLAB and Math Works Statistics and Machine Learning Toolbox. Create publishable, reproducible analysis reports.. Have the basic understanding on how to explore Statistics and Machine Learning Toolbox

Create publishable, reproducible analysis reports.

. Have the basic understanding on how to explore Statistics and Machine Learning Toolbox advanced methods

While the goal is not to focus on 'programming', participants should become capable to gain a working proficiency in the use of MATLAB in data analysis

Introduction to MATLAB User Interface, Basic Operations, Using MATLAB as Calculator, Handling Variables, Data Format, Expressions and Matrices, Conditional/logical Statement, Execution Control, Loops, Writing Functions, Data Input/Output in Various Format, 2D Plotting Visualization Using MATLAB, 3D Plots, Modifying plots using property editor, Automating Plots, Building Graphical User Interface (GUI) Basics, Polynomials, curve fitting and interpolations, Debugging and Troubleshooting programs, Development Tools and Programming Techniques, Building GUI's by own, Generating Executable Files and StandAlone Applications, ApplicationS Of Simulink, Symbolic Math, MATLAB Applications demonstration

RESOURCE PERSONS:

Mr. Roshn Doshi IT Analyst

Tata consultancy service

Chief Patrons

Sri M.V.Koteswara Rao B.Sc.,

Chairman, NEC Group.

Sri M.S.Chakravarthi B.Tech, MS (US),e-MBA(ISB-Hyd)

Vice-Chairman, NEC Group.

Sri M.Ramesh Babu

Secretary, NEC Group

Patron

Dr. M.Sreenivasa Kumar, M.Tech.,Ph.D.(U.K) ,MISTE ,FIE(I)

Principal,

Convener

Dr. P.Lakshmanan

Professor & Head, Dept. of EEE

Coordinator

Mr.P.D.V.S.K.Kishore

Associate Professor, Dept. of EEE

Organizing Committee

Sk.Md.Shareef	Associate Professor
J.Sunil Babu	Associate Professor
G.Naga Raju	Associate Professor
P.Ravi Kumar	Associate Professor
M.Chandra Sekhar	Associate Professor
Sk.Karimulla	Assistant Professor
S.Chandra Sekhar	Assistant Professor
K.Naga Brahma Chari	Assistant Professor
B.Praveen Kumar	Assistant Professor
G.Naveen	Assistant Professor
T.Naga Raju	Assistant Professor

Program Report

NARASARAOPETA
ENGINEERING COLLEGE
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Phone : 08647-239905 Website:www.nrtec.in

Date: 05.05.2018

PROGRAMME REPORT

Name of the Programme : A Five Day Faculty Development Programming for "Programming for controller through MATLAB"

Dates : 1st to 5thMay, 2018

Details of the Resource Persons :

1. Name : Mr. Roshn Doshi
   Designation : IT Analyst
   Organization : Tata consultancy service
   Phone No : 9059789952
   Mail.Id : roshndoshitcs@gmail.com

Objective of the program

This training programme is specially designed for Engineering College Teachers and it mainly deals with various aspects of MATLAB. The course aims to achieve the following objectives:

- Use of MATLAB and Math Works Statistics and Machine Learning Toolbox.

  Create publishable, reproducible analysis reports.
- . Have the basic understanding on how to explore Statistics and Machine Learning Toolbox advanced methods

While the goal is not to focus on 'programming', participants should become capable to gain a working proficiency in the use of MATLAB in data analysis.

Topic Covered:

Introduction to MATLAB User Interface, Basic Operations, Using MATLAB as Calculator, Handling Variables, Data Format, Expressions and Matrices, Conditional/logical Statement, Execution Control, Loops, Writing Functions, Data Input/Output in Various Format, 2D Plotting

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Visualization Using MATLAB, 3D Plots, Modifying plots using property editor, Automating Plots, Building Graphical User Interface (GUI) Basics, Polynomials, curve fitting and interpolations, Debugging and Troubleshooting programs, Development Tools and Programming Techniques, Building GUI's by own, Generating Executable Files and StandAlone Applications, Applications of Simulink, Symbolic Math, MATLAB Applications demonstration.

Outcome of the programme:

- Use MATLAB effectively to analyze and visualize data.
- Apply numeric techniques and computer simulations to solve engineering-related problems.
- Apply a top-down, modular, and systematic approach to design, write, test, and debug sequential MATLAB programs to achieve computational objectives..
- Design and document computer programs and analyses in a careful and complete manner so as to effectively communicate results, to facilitate evaluation and debugging by another programmer, and to anticipate and resolve user errors.
- Demonstrate understanding and use of fundamental data structures (classes).
- Create and control simple plot and user-interface graphics objects in MATLAB

No. of participants:30

Coordinator **HOD**

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(AUTONOMOUS)
NARASARAOPET-522 601.
Guntur (Dist.), A.P.

17-18

A Five Day FDP on Machine Learning

BROCHURE

A 5-Day Faculty Development Programme (FDP) on "MACHINE LEARNING"

01st May, 2018 to 5th May, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
cshod@nrtec.ac.in
Any queries contact: +91-9885271324

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, Chairman and Sri.M.S.Chakravarthi, Vice-Chairman who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited by NAAC with 'A' Grade, Accredited twice by NBA and ISO 9001: 2008 certified. NEC has 'AUTONOMOUS' status in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. NEC is the first of its kind in Andhra Pradesh to sign MOU with Foreign Universities like Oracle and Scholars University (USA). The college offers six M.Tech programmes, Two PG courses are MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A 5-Day Faculty Development Programme (FDP) on "MACHINE LEARNING"

01st May, 2018 to 5th May, 2018

Organized by

Department of Computer Science & Engineering

NEC

Phone : 08647-239912
FAX : 08647-239902
E-Mail : **nrtec_cs@yahoo.com**

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited by NAAC, Accredited Twice by NBA,
ISO 9001: 2008 Certified.
Three Recognized R&D centers by JNTUK

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

OBJECTIVE OF WORKSHOP

This Faculty Development Programme (FDP) is devoted to fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects of Machine Learning algorithms.

Machine Learning describes algorithms for writing computer programs that automatically improve their performance with experience. In recent years, we have witnessed a rapid development in machine learning methodologies and algorithms which are having a significant impact on modern world and the way we solve and optimize solutions to real world problems.

Machine learning is the buzz word among industries and academia in India and the world since it can optimize the applications in which it is used.

It is used in the applications of financial forecasting, search engines, Image Recognition, Natural Language processing, medical diagnosis, recommendation systems, classification and prediction for various systems.

Due to the advent of new technologies, new algorithms are proposed which include complex mathematical operations on deep learning and big data.

MAJOR COURSE CONTENTS

- Introduction to Statistical Learning, Discrete Statistics, Inferential Statistics.
- Purpose of Histogram
- Abnormalities of Normal Distribution
- Central limit theorem
- Null Hypothesis
- Alternate hypothesis
- Why Python programming in Machine Learning
- Basic Commands & Programming in Python
- Data Slicing with Python
- Working with different Libraries
- Applications of Machine Learning
- Regression, Classification

Resource Person:

Mr. A. Kanth
Deep Learning Consultant & Data Scientist,
Bepec Solutions Pvt Ltd., Vijayawada

Chief Patrons

Sri M.V. Koteswara Rao B.Sc.,
Chairman, NEC Group.

Sri M.S. Chakravarthi
B.Tech, MS (US) MBA(US) (Ph.D)
Director, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D. (UK), MISTE, FIE (I)
Principal.

Conveners

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Dr. B. Jhansi Vazram,
Professor, Dept. of CSE.

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada
Mr.K.Nitalaksheswara Rao
Mr. K. Hazarathaiah
M.Sireesha
Mr. G.E.Sastry
Mr. N. Kiran Babu
Mr.O.Gandhi
Ms. Sd. Rizwana
Mr. Sk.Abdul Rasheed
Mr. Sk.Karimulla
Mr.S.Ram Chandra
Mr. N. Brahma Naidu

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 08-12-2017

Programme Report

Name of the Programme : A Five Day FDP on Machine Learning

Dates : 01-05-2018 to 05-05-2018

Details of the Resource Person(s) :

Name: Mr.A.Kanth
Designation: Deep Learning Consultant & Data Scientist
Organization: Bepec Solution Pvt. Ltd.Vijayawada.
Phone number: 7386300785
Mail id: kantha@gmail.com

Objectives of the Programme : This FDP devoted to fundamental Theory, Recent developments & research outcome addressing the related theoretical and practical aspects of machine learning algorithms.

Topics Covered :

i. Introduction to statistical learning,Dececsrete statistics, Inferential statistics
ii. Purpose of Histogram
iii. Abnormalities of normal distribution
iv. Central limit theorem
v. Null Hypothesis
vi. Alternate Hypothesis

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vii. Why python programming in machine learning
viii. Basic commands and programming in python
ix. Data slicing in python
x. Working with different libraries
xi. Applications of machine learning
xii. Regression
xiii. Classification

Outcome of the Programme : The participate gain the knowledge about machine learning basic and python programming.

No. of Participants :

Coordinator

(Dr.S.N.Tirumalarao)

HoD

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NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

2018-2019

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

A five day Faculty Development Program on Internet of things

Brochure

PROGRAM SCHEDULE:

02:15-03:45	Hands on Session : LED blinking on mobile Control of physical LED from Blynk cloud through digital and virtual pin
03:45-04:00	Tea Break
04:00-05:00	Hands on Session : Switch control through Blynk cloud
Day 4- 7th June, 2018	
09:30-11:00	Introduction to sensors, DHT sensor, Ada fruit sensor DHT sensor serial monitor for temperature and humidity measurement
11:00-11:15	Tea Break
11:15-01:30	Hands on session: DHT sensor using Blynk cloud LDR sensor serial monitor
01:30-02:15	Lunch
02:15-03:45	Introduction to Capacitive touch sensor. Hands on session: Capacitive touch sensor.
03:45-04:00	Tea Break
04:00-05:00	Hands on Session : PIR sensor serial monitor
Day 5- 8th June, 2018	
09:30-11:00	Introduction to Thing speak cloud, DHT sensor Implementation for temperature and humidity measurement using Thing Speak cloud
11:00-11:15	Tea Break
11:15-01:30	DHT sensor implementation for temperature and humidity measurement using Thing Speak cloud
01:30-02:15	Lunch
02:15-03:45	Hands on session : Servo motor implementation using Blynk and thing Speak cloud
03:45-04:30	Vote of thanks

Contact Details
Email: **ecehod@nrtec.ac.in**
Contact: 9441127485

Registration
The participants are requested to send their scanned copy of filled registration form for confirmation through Email: **ecehod@nrtec.ac.in**. Registration is limited to 40 members only on first-come-first-serve basis
Registration Fee: Rs. 300/-
Lunch and Tea will be provided.

Important Date
Last date for receipt of registration form: **29th May, 2018**

REGISTRATION FORM

Reg. ID (for office use only):			

Participant Details

Name:

Designation:

Branch:

College Name:

College Address:

Mobile:

E-mail:
Accommodation Required: Yes/No

Signature of the Principal
(College Seal)

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Narasaraopet – 522601, Guntur District, A.P.

A Five -Day
Faculty Development Programme
on
Internet of Things

4th to 8th June, 2018

Organized by

Department of Electronics & Communication Engineering
NARASARAOPETA ENGINEERINGCOLLEGE
(AUTONOMOUS)
(Approved by AICTE, New Delhi, Permanently Affiliated to JNTUK, Kakinada, Accredited thrice by NBA, Accredited by NAAC with 'A' Grade, ISO 9001:2008 Certified Institution)

Kotappakonda Road, Yellamanda (Post),
NARASARAOPET – 522601, Guntur District, A.P.

Phone No.: 08647-239914, 94411 27485
Fax No. : 08647-239902
E-Mail : ecehod@nrtec.ac.in
Website : http://www.nrtec.ac.in

In Association with
SETLABS, Vizianagaram

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

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ABOUT THE COLLEGE

The **Narasaraopeta Engineering College** was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet under the leadership of Sri M.V. Koteswara Rao who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region of Andhra Pradesh. The college is approved by AICTE, New Delhi, permanently affiliated to J.N.T.U.K., Kakinada and accredited by NAAC with 'A' Grade. Also, the institution is certified by ISO 9001:2008. The college was conferred with Autonomous status by UGC in 2016. The college offers five courses at B.Tech level in the branches of Civil, EEE, ME, ECE, and CSE, and nine courses in M.Tech. level, MCA and MBA. The college also offers four Diploma courses. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 Mbps internet.

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B. Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, M.Tech.(Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech.(Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited thrice by AICTE-NBA. The department is recognized as Research Center by JNTUK, Kakinada in 2016.

The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

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ABOUT FDP ON IOT

A Five-day Faculty Development Program on IoT will be organised by ECE department for uplifting Faculty skills on Internet of Things.

The resource persons are Mr. S. Vamshi Krishna, Research Consultant, and Mr. Y. Veera Babu, Embedded Application Engineer of SetLabs, Vizianagaram.

For Whom and Why

The faculties of ECE, EEE and CSE from AICTE approved Engineering Colleges and this course is useful for doing projects on IoT.

Topics to be covered

Overview on Internet of Things, Requirements of IoT, Applications, Concept of Data types, Hands on Session using ArduinoUNO, Introduction to NODE MCU, Hardware & Software, Hands on Session on interaction between NODE MCU and mobile, Applications like LED blinking, Switch using Blynk cloud, Different Sensors applications for serial monitor, Temperature and Humidity measurement using Blynk and ThingSpeak .

Chief Patrons:

Sri M.V. Koteswara Rao, B.Sc,
Chairman, NEC Group

Sri M.S. Chakravarthi, B.Tech, MS (USA)
Director, NEC Group

Sri M. Ramesh Babu, B.A.
Secretary, NEC Group

Patron:

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK)., MISTE., FIE(I)
Principal

Convener:

Dr. V. Venkata Rao, B.E.(ECE), M.E., Ph.D.
Professor & Head

Coordinators:

Prof. J.V.K. Ratnam
Prof. P.S.S. Chakravarthy

PROGRAM SCHEDULE:

Day 1- 4th June, 2018	
TIME	TOPIC
09:00-09:30	REGISTRATION
09:30-10:00	Welcome Address
10:00-11:00	Introduction to Internet of Things IoT Requirements
11:00-11:15	Tea Break
11:15-01:30	Real world IoT applications Implementation of IoT applications
01:30-02:15	Lunch
02:15-03:45	Data Types Introduction to ArduinoUNO board
03:45-04:00	Tea Break
04:00-05:00	Hands on Session using ArduinoUNO: LED blinking program
Day 2- 5th June, 2018	
09:30-11:00	Hands on Session using Arduino UNO : Implementation of Knight rider effect
11:00-11:15	Tea Break
11:15-1:30	Hands on Session using Arduino UNO: Fading an LED using PWM pin Serial .read
01:30-02:15	Lunch
02:15-03:45	Hands on Session using ArduinoUNO: Physicl switch, print a string, Find length of a string
03:45-04:00	Tea Break
04:00-05:00	Hands on Session using ArduinoUNO: String manipulation
Day 3- 6th June, 2018	
09:30-11:00	Introduction to NODE MCU, Hardware & Software, Specifications of NODE MCU
11:00-11:15	Tea Break
11:15-1:30	Hands on Session on interaction between NODE MCU and mobile
01:30-02:15	Lunch

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET-522

Program Report

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 10.06.2018

PROGRAMME REPORT

Name of the Programme : A Five day Faculty Development Programme on **"Internet of Things"**

Date : 4th to 8th June 2018

Details of the Resource Persons :

1. Mr.S.Vamsi Krishna, Research consultant, setlabs, Vizianagaram

Objective of the programme:

- Learn the concept and architecture of IoT
- Understanding IoT components
- IoT related protocols
- Wireless technologies used in IoT enabled systems
- Explanation on IoT domain related to Hardware, Sensors and connectivity protocols.
- Walking through various connectivity methodologies.
- Importance of various IoT cloud platforms.

Topic Covered:

- Overview of Internet of things
- Requirements of IOT
- Concept of data types
- Hands on session using ArduinoUNO
- Introduction to Node MCU
- Hands on Session on interaction between NODE MCU and mobile
- Applications like LED blinking, Blynk cloud
- Different sensors applications for serial monitor, Temperature and Humidity measurement.

Outcome of the programme:

The participants will be able to develop IoT based applications using Raspberry Pi and Arduino.

No. of participants: 35

Coordinator

IQAC

Principal

HOD

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

A Five- Day Short term course on Outcome based Curriculum

Brochure

Course Content:

- learning outcome based approach to curriculum planning & development
- Key outcome underpinning curriculum planning & development
- Graduate attributes
- Qualification descriptors
- Program learning outcomes, Course learning outcomes
- Teaching learning process
- Assessment methods

Resource Persons:

Dr. Peeyush Varma,
Prof.NITTTR,Bhopal

IMPORTANT DATES:

- **last date for Registration: 6/05/2020**
- **Intimation to Participants: 7/05/2020**

Any Queries Contact:
Dr.Uma Pavan Kumar
Professor of Dept. of CSE.
Mobile :9705245285
Email:umapavan28@gmail.com

IQAC

ABOUT THE COLLEGE

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In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating

ATAL NEC

A Five- Day Short term course on Outcome based Curriculum

25th – 29th June, 2018

Organized

By

Department of
Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

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Objective of on Faculty Development program On Outcome based Curriculum:

To foster improvement of quality of higher education outcome based curriculum for under graduate education is very much required

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://fdponobc.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 6/05/2020**
- **Intimation to Participants: 7/05/2020**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr.Uma Pavan Kumar
Professor of Dept. of CSE.

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Ms. S.Chaitanya Bharathi	

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

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Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 29-06-2018

Programme Report

Name of the Programme : A Five- Day Short term course on Outcome based Curriculum

Dates : 25-6-2018 to 29-6-2018

Details of the Resource Person(s) :

Name: Dr. Peeyush Varma
Designation:Professor
Organization: NITTTR,Bhopal
Phone number:7032985562
Mail id:namcy.v@gmail.com

Objectives of the Programme : To foster improvement of quality of higher education outcome based curriculum for under graduate education is very much required.

Topics Covered :

i. learning outcome based approach to curriculum planning & development
ii. Key outcome underpinning curriculum planning & development
iii. Graduate attributes
iv. Qualification descriptors
v. Program learning outcomes, Course learning outcomes
vi. Teaching learning process
vii. Assessment methods

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Outcome of the Programme : The objective of STC is to educate the faculty members towards outcome based education.

.No. of Participants : 30

Coordinator

(Dr.Uma Pavan Kumar)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

A Short Term Course on Biomedical Signal processing

Brochure

A Short Term Course on

"Biomedical Signal Processing"

(Training Programme through ICT)

From

16th July, 2018 to 20th July, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of a short term course.

Signature of the Applicant

Date:

Place:

Note: Send Registration forms to
nrtec_ece@yahoo.com
Any queries contact: +91- 8011212952

Note: No registration fee

IQAC

ABOUT THE COLLEGE

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Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A Short Term Course on

"Biomedical Signal Processing"

(Training Programme through ICT)

From

16th July, 2018 to 20th July, 2018

(09:00 AM to 04:00 PM)

In Association
With
NITTTR-Chandigarh

Organized
By
Department of
Electronics and Communication Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
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Thrice Recognized R&D centers by JNTUK

Phone : 08647-239912
FAX : 08647-239902
E-Mail : **nrtec_ece@yahoo.com**

Principal

NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 1998 with an intake of 40 students in B.Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, M.Tech. (Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech.(Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited thrice by *AICTE-NBA*. The department is recognized as *Research Center by JNTUK*, Kakinada in 2016.

The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research. E-Yantra ES & Robotics Lab established in association with IIT Bombay.

OBJECTIVE OF WORKSHOP

Biomedical signal processing involves the measurement and analysis of signals and images in clinical medicine and biological sciences. The biomedical signal processing has been always a fascinating field of research. The objective of the course is to focus on the latest trends in the field of biomedical signal processing and expose the participants to biomedical signals. Providing exposure to analyzing the biomedical signals using time-frequency and wavelet transform techniques. To be able to apply the machine learning algorithms and select the best features from the signals for optimal classification. Acquire the knowledge on the new tools which are used for analyzing the signals. Moreover, provide the knowledge on how to the use of BCI machines in biomedical applications.

COURSE CONTENT

In this course, the experts will be covering the following topics. First, the introduction of biomedical signals and its applications. Analyzing the signals using different wavelet transforms and tools will be discussed. The introduction of machine learning techniques for classifying the signals. Finally, the use of BCI machine in biomedical applications will be covered.

COMPETENCIES

- The participants will be aware of the current trends in the field of biomedical signal processing.
- Gain knowledge on machine learning algorithms and how to employ it in biomedical applications.
- Participants equipped with the knowledge of how to use BCI machine in biomedical applications.



ABOUT THE NITTTR

In realization of the need for training better quality technicians to meet the large scale industrialization of the country, the ministry of Human Resource Development (the then Ministry of Education), Government of India established four Regional Technical Teachers' Training Institutes (now National Institute of Technical Teachers Training & Research, NITTTR at Bhopal, Chandigarh, Chennai and Kolkata in 1967. The Institute at Chandigarh is one of these four NITTTRs, started in collaboration with Royal Netherlands Government (upto 1974). The Institute is registered under the Societies Registration Act, 1860 and is managed by a Board of Governors. The institute started with long term teachers' training programmes for polytechnic teachers in 1967 and was also entrusted with the responsibility of promoting curriculum development work for the states in the region. To improve the competence of teachers for implementing new curricula designed by this institute, short term courses have been offered since 1967.

Chief Patrons

Sri M. V. Koteswara Rao B.Sc
Chairman, NEC Group

Sri M. S. Chakravarthi B.Tech. MS (US), EMBA(ISB-Hyd)
Vice - Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Patron

Prof. M. Sreenivasa Kumar Ph.D (U.K)
Principal

Convener

Dr. V Venkata Rao Ph.D
Professor & Head, Dept. of ECE

Coordinator

Dr. Ajay Kumar Maddirala Ph.D
Associate Professor, Dept., of ECE,

ORGANIZING COMMITTEE

Prof. J. V. K Rathnam
Prof. P .S.S.Chakravarthi
Mr. J. Narasimha Rao
Mr. A. Charles Stud
Mr. V. Naveen Raja
Mr. G. Srinivasa Rao
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Mrs. Suneetha
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Mrs. T. Indira
Mr. A. Raveendra Babu
Mr. T. Ravi Kanth
Mr. Sk.Ch. Nagur Shareef
Mrs. P. Vasanthi
Mr. P. Siva Prasad
Ms. K.Siva Kumari
Mr. Shajahan Pathan
Mr. N. Rajeev Reddy
Mr. Rama Krishna Reddy
Mr. Suresh Babu
Mr. Narendra Babu
Mr. Karthik
Ms. K. Laxmi Prasanna

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET

(AUTONOMOUS)

Kotappakonda Road, Yallamanda (P.O), NARASARAOPET-522 601, Guntur Dist. A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited "A" Grade by NAAC, Accredited Twice by NBA,
Two Recognized R&D centres by JNTUK,
ISO 9001: 2008 Certified Institution

A Short term Course on

"Biomedical Signal Processing"

(Training Programme through ICT)
In
Association with NITTTR-Chandigarh

Chief Patrons

Sri M. V. Koteswara Rao B.Sc
Chairman, NEC Group.

Sri M. S. Chakravarthi B.Tech, MS (US), EMBA
Vice - Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Patron

Prof. M Sreenivasa Kumar, Ph.D (U.K)
Principal.

Convener

Dr. V Venkata Rao Ph.D
Professor & Head, Dept. of ECE

Coordinator

Dr. Ajay Kumar Maddirala, Ph.D
Associate Professor, Dept. of ECE

BIOMEDICAL SIGNAL PROCESSING

Organizing Committee

Prof. J. V. K Rathnam
Prof. P .S.S Chakravarthi
Mr. J. Narasimha Rao
Mr. A. Charles Stud
Mr. V. Naveen Raja
Mr. G. Srinivasa Rao
Mr. P. Bhagya Raju
Mr. Y. V. Lakshmaiah
Mr. Sk. Zuber Basha
Mr. N. Sayedu Khasim
Mr. A. Srinu
Mr. B. Raja Sekhar
Mr. N. Srinivasa Rao
Mr. M. Srinivasa Rao
Mrs. E.V. Santhi
Mrs. Ch. Krishna Priya
Mrs. Suneetha
Dr. K. Srinivasa Ravi
Dr. A. V. Nageswararao
Mr. G. Sai Ganesh
Mrs. T. Indira
Mr. A. Raveendra Babu
Mr. T. Ravi Kanth
Mr. Sk.Ch. Nagur Shareef
Mrs. P. Vasanthi
Mr. P. Siva Prasad
Ms. K.Siva Kumari
Mr. Shajahan Pathan
Mr. N. Rajeev Reddy
Mr. Rama Krishna Reddy
Mr. Suresh Babu
Mr. Narendra Babu
Mr. Karthik
Ms. K. Laxmi Prasanna

INVITATION

Date: 14-7-2018.

Sub: - A Short Term Course on "Biomedical Signal Processing" – Reg.

Dear Sir/Madam,

We are glad to inform you that our college is organizing a short term course on "Biomedical Signal Processing", from 16th July 2018 to 20th July -2018 in association with NITTTR – Chandigarh.

We are enclosing a copy of brochure with full details and request you to display it on your notice boards and distribute to your faculty members.

The main objective of the short-term course is to expose the faculty to the research field of biomedical signal processing. To be able to analyze the biomedical signals using time-frequency and wavelet transform techniques.

To familiarize the faculty to the machine learning algorithms and provide the knowledge on how to apply BCI machines in biomedical applications.

In this regard all faculty members are invited to participate in the short term course on "Biomedical Signal Processing".

Hence, on behalf of the organizing committee, I request you to encourage your faculty members to actively participate in the short term course and make it a grand success.

With Regards,

Convener
Dr. V Venkata Rao, Ph.D
Professor & Head, Dept. of ECE

Coordinator
Dr. Ajay Kumar Maddirala, Ph.D
Associate Professor, Dept. of ECE

Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

IQAC

Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAMME REPORT

Name of the Programme : A short term program On **"Biomedical Signal Processing"**
Dates : 16-7-2018 to 20-7-2018
Details of Resource Person :
1. **Dr. Lini Mathew**
   Professor,NITTTR Chandigarh
2. **Dr. Piush Verma**
   Professor,NITTTR Chandigarh
3. **Dr. Ritula Thakur**
   Assoc.Professor,NITTTR Chandigarh
4. **Dr. Shimi S.L**
   Asst.Professor,NITTTR Chandigarh

Objective of the Programme:

1. To improve the knowledge of participants in biomedical signal processing and motivate the participants to work with biomedical signals.
2. To unfold various research areas under biomedical signal processing and provide opportunity to contact with experts in the related areas.
3. To proyide sound mathematical and theoretical prerequisites necessary for carry out research in this field.
4. Introduces a few research topics related to biomedical signal processing

Topic Covered:

1. Heart rate variability, Biomedical signals- signal processing techniques
2. Modern ECG signal processing, Photo plethysmography (PPG)
3. Hands on MATLAB:
4. Time and Frequency Domain Analysis of Biomedical Signals
5. Classification of ECG and EEG Signals
6. Filtering for Removal of Artifacts: High-frequency noise, motion artifacts, and power-line interference in the ECG and removal of artifacts in EEG signals

Outcome of the Programme:

1. Understand the nature of artifacts in biomedical signals.
2. Design time domain and frequency domain filters to remove artifacts in Biomedical signal.
3. Investigate the potential use of the Fourier spectrum parameters derived thereof in the analysis of biomedical signals.
4. Simulate time domain and frequency domain filters to remove artifacts in biomedical signals, using MATLAB..

No.of Participants: 60

Coordinator

IQAC

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

HOD
HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

A Short-Term course on "Optimization using MATLAB"

Brochure

A Short Term Course on "Optimization using MATLAB"

during

27th - 31st August - 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date:

Place:

Note: Send Registration forms to
mechhod@nrtec.ac.in
Any queries contact: +91-9692464540

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A Short Term Course on "OPTIMIZATION USING MATLAB" during 27th - 31st August - 2018

In Association
With
NITTTR-Chandigarh

Organized
By
Department of Mechanical Engineering

NARASARAOPETA NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
ISO 9001: 2008 Certified.
Recognized R&D center by JNTUK

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.). A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF WORKSHOP

The classical optimization techniques are useful in finding the optimal solution or unconstrained maxima or minima of continuous and differentiable functions. These are analytical methods and make use of differential calculus in locating the optimum solution.

The classical methods have limited scope in practical applications as some of them involve objective functions which are not continuous and/or differentiable.

Yet, the study of these classical techniques of optimization form a basis for developing most of the numerical techniques that have evolved into advanced techniques more suitable to today's practical problems.

Therefore, the course is aimed at making participants aware about the different optimization techniques and the tools available for this purpose. The participants will be exposed to application of MATLAB in optimization.

Even Hough, the course is intended to cover fundamental theoretical and algorithmic aspects of optimization, the emphasis will be on applied optimization using MATLAB and its applications in the context of Engineering.

COURSE CONTENT

- Basic concepts and classification of optimization techniques
- Objective functions and constraints
- Mathematical Modeling
- Nonlinear optimization
- Multiobjective optimization
- Solutions of optimization problems using MATLAB

WHOM TO ATTEND

- PG students of all disciplines
- Research scholars in Engineering and Applied Sciences.
- Faculty from all disciplines.

RESOURCE PERSONS

Dr. S. S. Dhami, Professor & HOD, Mech., NITTTR, Chandigarh.
Dr. B. S. Pabla, Professor,Mech., NITTTR, Chandigarh.
Group of faculty from IIT, Roorkee
Group of faculty from NIT, Kurukshetra

IQAC

Chief Patrons

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group

Sri M.S. Chakravarthi
B.Tech, MS (US),MBA(ISB-Hyd)
Director, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), MISTE, FIE(I)
Principal

Conveners

Dr. D. Suneel
Professor & HOD, Dept. of Mech.

Dr. B. Venkata Siva,
Professor

ORGANIZING COMMITTEE

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Mr. P.Suresh Babu	Ms.K.Ruthu Rani
Mr. M. Venkanna Babu	Mr.T.Ashok Kumar
Mr.M.Venkaiah	Mr.B.Rajiv Kumar
Mr. P.Srinivasarao	Ms.Sadana
Mr.Ch.Sekhar	Mr. J. Pavan Sai
Mr. K.Kiran chand	Mr. S. Sivanjaneyulu
Mr. N.Siva Naga Raju	Mr. P. Krishna Sudhakar
Mr. N. Vijaya Sekhar	Ms. M. Gowthami
Mr. P.Sravani	Mr. K. John Babu
Mr. J Yesudasu	Mr. R. Ajay Kumar
Mr. P. Rajanna	

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Guntur (Dist.), A.P.

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:03-09-2018

PROGRAMME REPORT

Name of the Programme : A Short-Term course on "Optimization using MATLAB"

Dates : 27th to 31th August, 2018

Details of the Resource Persons :

1. Name : Dr. B S Pabla
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759525.
   Mail.Id : bsp@nitttrchd.ac.in.
2. Name : Dr. Sukhdeep Singh Dhami
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759659
   Mail.Id : ssdhami@nitttrchd.ac.in.

Objective of the programme:

The classical optimization techniques are useful in finding the optimal solution or unconstrained maxima or minima of continuous and differentiable functions. These are analytical methods and make use of differential calculus in locating the optimum solution.

The classical methods have limited scope in practical applications as some of them involve objectives functions which are not continuous and or differentiable.

Yet, the study of these classical techniques of optimization form a basis for developing most of the numerical techniques that have evolved into advanced techniques more sutable to today's practical problems.

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Guntur (Dist.), A.P.

Therefore, the course is aimed at making participants aware about the different optimization techniques and the tools available for this purpose. The participants will be exposed to application of MATLAB in optimization.

Even Hough, the course is intended to civer fundamental theoretical and algorithmic aspects of optimization, the emphasis will be on applied optimization using MATLAB and its applications in the context of Engineering.

Topic Covered:

- Basic concepts and classification of optimization technique
- Objective functions and constraints
- Mathematical Modeling
- Nonlinear optimization
- Multiobjective optimization
- Solution of optimization problems using MATLAB

Outcome of the programme:

- Optimization allows you to find a set of parameters (constant values) that maximize some measure, or measures, of performance when a model is simulated.
- Identify Campaign Issues.
- Accurate Estimates of Ad Progress.
- Holistic View to Understand the Impact of Changes.
- Save Time.
- Your Budget May Be Increased.
- Too Much Automation isn't Good

No. of participants: 49

Coordinator

IQAC

HOD

Principal
MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)
MADANAPALLE - 517 325
Chittoor (Dist.), A.P.

A One Day Workshop on KOHA and Library Automation

BROCHURE

How to apply?

Enrollment will be strictly online, and no other mode of application will be entertained. The online registration for Koha workshop will start on **20 September 2018.** The last date of registration is **8 October 2018.**

Registration process for this workshop:

- Sign up using your valid email id. Remember your email id and password for future programs.
- After verification of your sign up, your account will be created on the NMEICT website.
- Login on the website with the verified account.
- Go to Announcements, select the course, and register.
- After successful registration, you will receive an automated email.

Registration URL:- http://www.it.iitb.ac.in/nmeict

Note

- Neither IIT Bombay nor the Remote Centre will bear the travel expense of the participating representatives. There shall also be no accommodation provided to the participants.
- All participants are required to bring **earphones**, as they will have to listen to video tutorials. Without earphones, the workshop will not at all be effective. All Participants are also encouraged to bring their own **laptops**, if possible. If participants cannot bring a laptop, they should bring one 8 GB pen drive.
- As this workshop is mainly hands-on, it is **mandatory** for all System Administrators to bring a **laptop** and **earphone** when they come for the workshop. System administrators will be required to install 'Koha' software on Ubuntu Virtual Machine (VM) during the workshop.

IQAC

Address for communication

Dr. Kalpana Kannan
Project Coordinator, ESOS Project
Department of CSE, Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076
Tel.: +91-22-2576 4989
Fax: +91-22-2572 0022
Email: eoutreach@it.iitb.ac.in

Registration URL:

http://www.it.iitb.ac.in/nmeict

One day main workshop

Conducted by

National Virtual Library of India (NVLI),

funded by the

Ministry of Culture, Government of India

on

Koha and Library Automation

12 October 2018

Course Coordinator

Professor Kannan Moudgalya
PI, NVLI and Spoken Tutorial Project

Indian Institute of Technology Bombay
Mumbai – 400076

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Introduction

Koha is a state of the art library management software. It is open source software and hence one can use it free of cost. Koha allows total customization and complete control of library data at a fraction of the cost of a proprietary system. Its main strength is its web accessibility and ease of use. Libraries do not have to install the software on staff and user terminals. Koha supports all library housekeeping activities such as Acquisition, Cataloging, Circulation, Serial Control, Patron Management, and OPAC. It also supports Web 2.0 tools. Thus, Koha can be readily configured to the needs of each library and is updated with new features frequently.

Koha training is generally provided over a period of a few days at an expense of several thousand rupees. We offer the same training in one day at a cost of **Rs. 500**, using the award-winning Spoken Tutorial methodology. The IIT Bombay Team has created high-quality Koha Spoken Tutorials, especially suitable for self-learning. Participants will learn 'Koha' by listening to Spoken Tutorials and practising them on live 'Koha' software, at a Remote Centre conveniently located. There will be live interactions between the participants at the Remote Centres and Koha experts at IIT Bombay or IGNOU or both. Thus, this workshop will be conducted through a blended mode. This workshop is organised under the aegis of the National Virtual Library of India, funded by the Ministry of Culture.

Methodology of the Main Workshop

It will be a one day workshop, on **12 October 2018**. All participants have to go to their chosen remote centre (RC). There will be live video interaction through A-VIEW at the beginning. After that, all participants who will join this course from a remote centre will learn Koha, using the computers at that RC. In the evening, we shall connect through A-VIEW again, carry out discussions and end the programme. There will be about 4 hours available for Koha training and 2 hours for interactions. Participants at each Remote Centre will be helped by a course coordinator who would have attended a Coordinators' workshop at IIT Bombay on 29 Sept. 2018.

IQAC

Teaching faculty:

Prof. Kannan Moudgalya, PI, NVLI and Spoken Tutorial Project, IIT Bombay

Prof. Uma Kanjilal, Director Library Sciences, IGNOU

Dr. Manju Naika, Central Library, IIT Bombay

Ms. Nancy Varkey, Spoken Tutorial Project, IIT Bombay

Dr. Bella Tony, Spoken Tutorial Project, IIT Bombay

Course content

Following topics will be covered in this workshop:

- Overview of Koha
- Installation of Koha
- Create a Library
- Create a Super librarian
- Add an Item type
- Create MARC Framework
- Set Currency
- Add Budget & Fund allocation
- How to place an order for a Book
- Cataloging
- Circulation
- Catalogue Serial subscriptions
- Add subscription in Serials
- Receive Serials
- Close a Budget
- Global system preferences
- OPAC
- Access to self-Library account in OPAC

Please note that the medium of instruction for this workshop is English.

Who should attend?

This workshop will be provided to two types of participants:

(1) **Librarians** who will need training on the use of Koha software

(2) **System Administrators**, who will need training on the installation and maintenance of the Koha software

Please note: If your designation is not the same as system administrator then please select 'technical assistant' as your designation at the time of registration

Duration and Venue

The workshop will be conducted at various remote centres in the country on **Friday, 12 October 2018 from 9.30 AM to 6.00 PM.** This workshop will be conducted through a blended mode, using both live video conferencing facility (A-VIEW) and Hands-on sessions at remote centres.

Course fee

Every participant (both Librarian and the System Administrator) has to pay **Rs. 100** as the course fee to IIT Bombay at the time of online registration. On the day of the workshop, i.e., on **12 October 2018**, they have to pay **Rs. 400** to the **Remote Centre** that they would be attending, to defray the cost of organising the workshop, lunch and coffee/tea.

Please note that the registration fee once paid is neither refundable nor adjustable under any circumstances.

Criteria for Certification

E-certificate will be provided to the participants after successful completion of the workshop and filling up the feedback form.

Principal
(AUTONOMOUS)
RASARAOPET - 522 601.

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 12-10-2018

Programme Report

Name of the Programme : A One Day Workshop on KOHA and Library Automation

Dates : 12-10-2018

Details of the Resource Person(s) :

i. Name: Kannan Moudgalya
Designation: Professor,NVLI& Spoken Tutorial Project,
Organization: IIT Bombay
Phone number: 9963733208
Mail id:moudgalya@gmail.com

ii. Name: Prof.Uma Kanjilal
Designation: Director Library Sciences
Organization: ,IGNOU
Phone number: 9908877459
Mail id:umakanjilal@gmail.com

iii. Name: Dr.Manju Naika,
Designation: Central Library
Organization: , IIT Bombay
Phone number:7382565980
Mail id:manju.n@gmail.com

iv. Name: Ms.Nancy Varkey
Designation: Spokeken Tutorial Project,.
Organization: IIT Bombay
Phone number: 9392096360
Mail id:nancy.vaekey@gmail.com

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

v. Name: Dr.Bella Tony
Designation: Spokeken Tutorial Project,
Organization: IIT Bombay
Phone number: 7842329285
Mail id:drtony.b@gmail.com

Objectives of the Programme : KOHA Spoken Tutorials are suitable for self-Learning.

Topics Covered :

i. Overview of KOHA
ii. Installation of KOHA
iii. Create a Library
iv. Create a super Librarian
v. Add an Item Type
vi. Create MARC Framework
vii. Set Currency
viii. Add Budget & Fund Allocation

Outcome of the Programme : After the completion of workshop the participants learned how to install a KOHA software and how it will be helpful for Library management.

No. of Participants : 20

Coordinator

(M.Nageswarao)

HoD

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A One Day Faculty Development program on Software Development Methodologies

BROCHURE

Course Content:

- Basic steps of Software Development process
- SDLC Models
- Types of software development process

Resource Persons:

Mr.Sesha Giri Telkapalli venka,
Senior Enterprise Architecture,TCS.

IMPORTANT DATES:

- **last date for Registration: 1/11/2018**
- **Intimation to Participants: 2/11/2018**

Any Queries Contact:

G.L.N.Jaya prada
Associate professor of Dept. of CSE.
Mobile :9848891421
Email:gjayaprada74@gmail.com

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating

AICTE ATAL NEC

A One Day Faculty Development program on Software Development Methodologies

3rd November, 2018

Organized By

Department of Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

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Objective of on Faculty Development program On Software Development Methodologies:

To foster improvement of quality of higher education outcome based curriculum for under graduate education is very much required

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://fdponsdc.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 01/11/2018**
- **Intimation to Participants: 02/11/2018**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

G.L.N.Jaya prada
Associate professor of Dept. of CSE.

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Ms. S.Chaitanya Bharathi	

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.) A.P.

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 03-11-2018

Programme Report

Name of the Programme : A One Day Faculty Development program on Software Development Methodologies.

Dates : 03-11-2018

Details of the Resource Person(s) :

Name: Mr.Sesha Giri Telkapalli venka
Designation: Senior Enterprise Architecture
Organization: TCS
Phone number: 9052155689
Mail id:seshagiri.t@gmail.

Objectives of the Programme : To learn about Software Development process & models.

Topics Covered :

i. Basic steps of Software Development process
ii. SDLC Models
iii. Types of software development process

Outcome of the Programme : The participants are able to design a software model for different applications.

No. of Participants : 35

Coordinator
(G.L.N.Jaya prada)

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HoD

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five Day Workshop on Big-Data and Machine Learning

BROCHURE

WORKSHOP ON BIG DATA AND MACHINE LEARNING

On

05th – 10th November, 2018

REGISTRATION FORM

Name: _____

Course: _____ Mobile: _____

College Name: _____

E-Mail: _____

For P.G Students & Faculty – INR 300.

D. D. No: _____ Date: _____

Bank: _____ Branch: _____

DD in favour of The Principal, Narasaraopeta Engineering College, payable at Narasaraopet.

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the International conference.

Date :

Place :

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Signature of the Applicant

WORKSHOP THEMES

- ✓ Big Data Scenarios
- ✓ Hadoop Basics
- ✓ Distributed System
- ✓ GFS and HDFS
- ✓ HDFS Hands-On
- ✓ MR Hands-On
- ✓ Hive and Pig
- ✓ Machine Learning Basics
- ✓ Classification and Clustering
- ✓ Association Rule Mining
- ✓ Recommender Systems
- ✓ Deep Learning Basics

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____ is working in our institution / Organization and is here by sponsored to participate in Workshop on Big data and Machine Learning at Narasaraopeta Engineering College: Narasaraopet.

Place :

Date :

Signature of the
Head of the Institution (with Seal)

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

5-DAY WORKSHOP

ON

BIG DATA AND MACHINE LEARNING

On

05th – 10th November 2018

Organized by

Department of
Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited thrice by NBA,
Three recognized R&D centers by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239912
FAX : 08647-239902
E-Mail : csehod@nrtec.ac.in

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication

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The department is the zonal partner of Artificial Intelligence Research Project launched by BENNETT University. The College has tie-up with ICT Academy to meet the skill requirements of the industry and to generate more employability.

ABOUT THE WORKSHOP

Workshop on Big data and Machine Learning provides an excellent opportunity for faculty, students and researchers to learn new ideas on computational field in the world. The aim of workshop is to provide a platform, where students, researchers, academicians, professionals and industrialists can get hands-on training and share their knowledge with each other. The workshop helps the participants to indulge their subject knowledge through practical implementation of HDFS, Map Reduce, Hive and Pig. Eminent academicians will interact with participants through hands-on by focusing on Hadoop platform along with disciplines of Computer Science & Engineering are included in the discussions.

WORKSHOP COMMITTEE

Chief Patron:

Sri M.S. Chakravarthi B.Tech, MS (US), B.Tech., MS(US), e-MBA @ ISB, Hyd.
Vice - Chairman, NEC Group

Patrons:

Sri M.V. Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron:

Dr. M. Sreenivasa Kumar
B.Tech, M.Tech. Ph.D.

Convener:

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE

Co-Convener:

Dr. K.Umapavankumar
Associate Professor, Dept. of CSE

ORGANIZING COMMITTEE

Dr.B.Jhansi Vazram Professor
Dr. SVN. Srinivasu Professor
Dr. K. Lakshmi Nadh Assoc. Prof
Dr. S. Siva Nageswararao Assoc. Prof
Mr.JVK.Ratnam, Professor
Ms. G. L. N. Jayaprada Assoc. Prof
Mr. Om. Prakash Samantray Assoc. Prof
Ms. M. Sireesha Asst. Prof
Mr. K. Hazarathaiah Asst. Prof
Mr. O. Gandhi Asst. Prof
Ms. K.Gnanendra Asst. Prof
Ms.B.Anisri Asst. Prof
Mr. N. Kiran Babu Asst. Prof
Mr. T. SubbaReddy Asst. Prof
Mr. E. Rama Krishna Asst. Prof
Ms.J.Jyothi Asst. Prof
Ms.Ch.Kamala Asst. Prof

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 10-11-2018

Programme Report

Name of the Programme : A Five Day Workshop on Big-Data and Machine Learning

Dates : 05-11-2018 to 10-11-2018

Details of the Resource Person(s) :

i. Name: Dr.S.N.Tirumala Rao
Designation: Professor
Organization: NEC
Phone number: 9885271324
Mail id:csehod@nrtec.in

ii. *Name: Dr.K.Uma Pavan Kumar,*
Designation: Associate Professor
Organization: NEC
Phone number: [illegible]
Mail id: umapavan.k@gmail.com

iii. Name: Dr.K.LakshmiNadh
Designation: Associate Professor
Organization: NEC
Phone number: 9948146862
Mail id:drklmn@gmail.com

iv. Name: Dr.S.V.N. Srinivasu
Designation: Associate Professor
Organization: NEC
Phone number: 9849866902
Mail id:dr.svnsrinivasu@gmail.com

v. Name: Ms.M.Sreesha
Designation: Assistant Professor
Organization: NEC

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Phone number: 9492468445
Mail id:moturisireesha@gmail.com

vi. Name: O.Gandhi,
Designation: Assistant Professor
Organization: NEC
Phone number: 9885578226
Mail id:gandhi86@gmail.com

Objectives of the Programme : The aim of Workshop is to provide a platform, where students, researchers, academicians, Professionals can get hands-on writing and share knowledge with each other.

Topics Covered :

i. Big Data Scenarios
ii. Hadoop Basics
iii. Distributed System
iv. GFS and HDFS
v. HDFS and Handson
vi. MR Handson
vii. Hive Pig
viii. Machine Learning Basics
ix. Classification and Clustering
x. Associated Rule Mining
xi. Recommender System
xii. Deep Learning Basics

Outcome of the Programme : The workshop helps the participants to indulge their subject knowledge through practical implementation of HDFC, Map reduce etc.

No. of Participants : 30

Coordinator

(Dr.S.N.Tirumala Rao)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day Faculty Development Program on "3D Printing Technology with Hands-on Training"

Brochure

A Five Day Faculty Development Program on "3D PRINTING TECHNOLOGY WITH HANDS ON TRAINING" During 22nd – 27th November - 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Registration fee: Rs 500/-. Lunch and snacks will be provided. Send the scan copy of Registration forms to mechhod@nrtec.ac.in

Any queries contact: +91-9692464540

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

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A Five Day Faculty Development Program on "3D PRINTING TECHNOLOGY WITH HANDS-ON TRAINING" During 22nd – 27th November - 2018

Organized By

Department of Mechanical Engineering

NARASARAOPETA NEC ENGINEERING COLLEGE (AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited twice by AICTE-NBA. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVES OF WORKSHOP

- To update the participants with the state of the art technologies in 3D Printing.
- To enable the participants to have experiential learning in 3D modeling, build-setup preparation and 3D printing through hands-on sessions.
- To enable participants to learn the industrial, real life and pedagogical applications of 3D printing.
- To empower the participants to offer a course on 3D printing technology at their respective institutions.

o facilitate the participants to develop low- cost 3D printers to teach engineering concepts.

- To empower the participants to offer a course on 3D printing technology at their respective institutions.

COURSE CONTENT

- Global Perspective of 3D Printing Technology
- Hands-on Solid Modelling & 3D Printing File Formats
- Hands-on STL Files Generation and Correction
- Modelling of Medical Implants
- 3D Printing Software & Processes
- Hands-on 3D Printing Build-setup Preparation
- 3D Printing Processes I: Vat Photo polymerization, Material & Binder Jetting
- 3D Printing Processes II: Material Extrusion, Sheet Lamination
- 3D Printing Processes III: Powder Bed Fusion & Directed Energy Deposition
- Demonstration on 3D Printer
- 3D Printing in Rapid Casting Applications
- 3D Printing in Medical Applications
- Role of 3D Printing in Engineering Education

WHOM TO ATTEND

- Research scholars/PG in Engineering and Applied Sciences.
- Faculty who is in search of Ph.D problem in 3D printing can definitely get advantage by attending this program.
- Any faculty/student in thrust of knowledge.

RESOURCE PERSON

Dr. Y. Ravi Kumar, Associate Professor, Department of mechanical Engineering, NIT-Warangal and his team.

Dr. Ravi Kumar is a renowned person in the field of 3D printing and he has established sophisticated 3d printing lab at NIT Warangal and he has good number of publication on the same field.

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Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao B.Sc.,
Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), M.I.S.T.E, FIE(I)
Principal

Conveners

Dr. D. Suneel
Professor, Dean (Academics) &
HOD, Dept. of Mech.

Dr. S. B. Venkata Siva
Professor, Dept. of Mech.

ORGANIZING COMMITTEE

Dr. D. Jagadish
Mr. P.Suresh Babu
Mr. M. Venkanna Babu
Mr.M.Venkaiah
Mr. P.Srinivasarao
Mr.Ch.Sekhar
Mr. K.Kiran chand
Mr. N.Siva Naga Raju
Mr. N. Vijaya Sekhar
Mr. P.Sravani
Mr. J Yesudasu
Mr.B.Saida Rao
Ms.K.Ruthu Rani
Mr.T.Ashok Kumar
Mr.B.Rajiv Kumar
Ms.K. Sadana
Mr. J. Pavan Sai
Mr. S. Sivanjaneyulu
Mr. B. Krishna Sudhakar
Mr. K. John Babu
Mr.R.Ajay Kumar
Mr.P.Rajanna

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.) A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:03-09-2018

PROGRAMME REPORT

Name of the Programme : A Five-Day Faculty Development Program on "3D Printing Technology with Hands-on Training"

Dates : 22nd to 27th November, 2018

Details of the Resource Persons :

1. Name : Dr. Y. Ravi Kumar
   Designation : Associate Professor, Mech
   Organization : NIT, Warangal
   Phone No : 9440868867
   Mail.Id : raviykumar@yahoo.com

Objective of the programme:

- To update the participants with the state-of-the-art technologies in 3D Printing.
- To enable the participants to have experimental learning in 3D modeling, build-setup preparation and 3D Printing through hands-on sessions.
- To enable participants to learn the industrial, real life and pedagogical applications of 3D printing.
- To power the participants to offer a course on 3D Printing Technology at their respective institutions.
- To facilitate the participants to develop low-cost 3D printers to teach engineering concepts
- To empower the participants to offer a course on 3D printing technology at their respective institutions.

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NARASARAOPET - 522 601
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Topic Covered:

- Global Perspective of 3D Printing Technology
- Hands-on Solid Modelling & 3D Printing File Formats
- Hands-on STL Files Generation and Correction
- Modelling of Medical Implants
- 3D Printing Soft-ware & Processes
- Demonstration on 3D Printer
- 3D Printing in Rapid Casting Applications.
- Role of 3D Printing in Engineering Education.

Outcome of the programme:

- Advance time-to-market turnaround. Consumers want products that work for their lifestyle.
- Save on tooling costs with on-demand 3D printing.
- Reduce waste with additive manufacturing.
- Improve lives, one customized part at a time.
- Save weight with complex part designs

No. of participants: 89

Coordinator

IQAC

HOD

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Two-Day Workshop on Deep Learning in computer vision with Python Programming

BROCHURE

WORKSHOP ON

DEEP LEARNING IN COMPUTER VISION WITH PYTHON PROGRAMMING

On

22nd – 23rd November, 2018

REGISTRATION FORM

Name: _____

Course: _____ Mobile: _____

College Name: _____

E-Mail: _____

For Students & Faculty – INR 200/-.

D. D. No: _____ Date: _____

Bank: _____ Branch: _____

DD in favour of The Principal, Narasaraopeta Engineering College, payable at Narasaraopet.

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Date :

Place :

IQAC

WORKSHOP THEMES

- ✓ Introduction to Artificial Intelligence
- ✓ Machine Learning Fundamentals
- ✓ Introduction to Deep Learning
- ✓ Applications of Deep Learning
- ✓ Neural Networks
- ✓ Convolutional Neural Networks
- ✓ Image Processing Using Deep Learning
- ✓ Hands-on Session with Python

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____ is working in our institution / Organization and is here by sponsored to participate in Workshop on Deep Learning in computer vision with Python programming at Narasaraopeta Engineering College, Narasaraopet.

Place :
Date :

Signature of the
Head of the Institution (with Seal)

WORKSHOP ON

DEEP LEARNING IN COMPUTER VISION WITH PYTHON PROGRAMMING

On

22nd – 23rd November 2018

Organized

by

Department of

Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited thrice by NBA,
Three recognized R&D centers by JNTUK,
ISO 9001: 2008 Certified.

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The college has established venture development Centre (VDC) in association with in association with i2E north-eastern university USA and APSSDC. Also the college has Indo-European skilling Centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany.

IQAC

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

The department is the zonal partner of Artificial Intelligence Research Project launched by Bennett University. The College has tie-up with ICT Academy to meet the skill requirements of the industry and to generate more employability. College has APCM's Skill Development Center.

ABOUT THE WORKSHOP

Workshop on Deep Learning using Python provides an excellent opportunity for faculty, students and researchers to learn new ideas on computational field in the world. The aim of workshop is to provide a platform, to students, researchers, academicians, professionals.

RESOURCE PERSONS:

1. Mr. Mrudang Pandya (Assistant Professor at CHARUSAT)
2. Mr. Nikunj Tahilramani (Assistant Professor at Raksha Shakti University)

WORKSHOP COMMITTEE

Chief Patron:

Sri M.S. Chakravarthi
B.Tech., MS(US), e-MBA @ ISB, Hyd.
Vice - Chairman, NEC Group.

Patrons:

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron:

Dr. M. Sreenivasa Kumar
B.Tech, M.Tech. Ph.D.
Principal.

Convener:

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE

Co-Convener:

Dr. K.Umapavankumar
Associate Professor, Dept. of CSE

ORGANIZING COMMITTEE

Dr.B.Jhansi Vazram Professor
Dr. SVN. Srinivasu Professor
Dr. K. Lakshmi Nadh Assoc. Prof
Dr. S. Siva Nageswararao Assoc. Prof
Mr.JVK.Ratnam, Professor
Ms. G. L. N. Jayaprada Assoc. Prof
Mr. Om. Prakash Samantray Assoc. Prof
Ms. M. Sireesha Asst. Prof
Mr.Ongole Gandhi

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47.

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 24-11-2018

Programme Report

Name of the Programme : A Two-Day Workshop on Deep Learning in computer vision with Python Programming

Dates : 23-11-2018 to 24-11-2018

Details of the Resource Person(s) :

i. Name: Mr.Mrudang Pandya
Designation: Assisatant Professor
Organization: CHARUSAT
Phone number:7032985562
Mail id:murdang.p@gmail.com

ii. Name: Mr.Nikunj Tahilramani
Designation: Assisatant Professor
Organization: Raksh shakthi University
Phone number:7032985562
Mail id:nikunjtahilramani@gmail.com

Objectives of the Programme : The aim of Workshop is to provide a platform, where students, researchers, academicians, Professionals can get hands-on writing and share knowledge with each other.

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Topics Covered :

i. Introduction to Deep Learning and Computer Vision
ii. Hands-on Python Programming Basics
iii. Deep Learning Architectures for Computer vision
iv. Deep learning using python programming
v.

Outcome of the Programme : The workshop helps the participants to indulge their subject knowledge through practical implementation of HDFC, Map reduce etc.

No. of Participants : 105

Coordinator

(Dr.S.N Tirumalarao)

HoD

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

A five day Faculty Development Program on Recent Trends and Applications in Biomedical Signal and Image Processing

Brochure

FDP ON RECENT TRENDS AND APPLICATIONS IN BIOMEDICAL SIGNAL & IMAGE PROCESSING

26th – 30th November, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Registration Fee: INR 500.

D. D. No: _____ Date: _____

Bank: _____ Branch: _____

DD in favour of The Principal, Narasaraopeta Engineering College, payable at Narasaraopet.

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP Program.

Date :
Place :

QAC

Topics to be covered

- ✓ Digital Image Fundamentals
- ✓ Image Processing Techniques
- ✓ Biomedical Image Processing & Applications
- ✓ Soft Computing Techniques
- ✓ Cardiovascular Diseases & Diagnosis
- ✓ CMR Image Analysis
- ✓ Bio-Signal Processing Techniques
- ✓ Machine Learning Algorithms
- ✓ Thermal wave detection and ranging and its use for industrial applications.
- ✓ Data analysis using signal processing methods and their validation
- ✓ Enhanced subsurface details using image processing
- ✓ Sponsored research Funding
- ✓ Introduction to Image and Video Processing.
- ✓ Video coding structure for space applications
- ✓ Scalable Video Coding
- ✓ Compressed sensing for image and video compression
- ✓ Wavelet transform
- ✓ Implementation of Video processing algorithms on FPGA.
- ✓ Introduction to FPGA.
- ✓ Hands on Sessions using **MATLAB**

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____ is working in our institution / Organization and is here by sponsored to participate in FDP on "RECENT TRENDS AND APPLICATIONS IN BIOMEDICAL SIGNAL & IMAGE PROCESSING" at Narasaraopeta Engineering College, Narasaraopet.

Place :
Date :

Signature of the
Head of the Institution (with Seal)

FDP ON RECENT TRENDS AND APPLICATIONS IN BIOMEDICAL SIGNAL & IMAGE PROCESSING

26th – 30th November 2018

Organized by

Department of Electronics & Communication Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited thrice by NBA,
Three recognized R&D centers by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239914
FAX : 08647-239902
E-Mail : ecehod@nrtec.ac.in

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist), A.P.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes. Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B. Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes; M.Tech (Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited thrice by AICTE-NBA. The department is recognized as Research Center by JNTUK, Kakinada. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

ABOUT THE FDP

FDP on Recent Trends and Applications in Biomedical Signal & Image Processing provides an excellent opportunity for faculty and researchers to learn new ideas in the field of Bio-medical Analysis. The aim of FDP is to provide a platform, where researchers and academicians can get hands-on training and share their knowledge with each other. The FDP helps the participants to indulge their subject knowledge through practical implementation of Bio-medical signal and Image Processing. Eminent academicians will interact with participants through hands-on by focusing on MATLAB platform along with disciplines of Signal, Image and Video Processing is included in the discussions.

RESOURCE PERSONS

Dr. H. Prasanna Kumar, Assistant Professor,
Department of EEE, UVCE, Bengaluru.

Dr. G. V. Subba Rao, Professor,
Department of ECE, KL University.

Dr. K. Naga Srinivasarao Batta, Asst. Professor,
Department of ECE, NIT, Warangal.

Dr. A.V. Nageswararao, Associate Professor,
Department of ECE, NEC.

Dr. Ajay Kumar. M, Associate Professor,
Department of ECE, NEC.

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I).
Principal.

Convener
Dr. V. Venkata Rao.
Professor & Head, Dept. of ECE

Co-Conveners
Dr. K. Sreenivasa Ravi, Professor
Dr. A.V. Nageswararao, Associate Professor
Dr. Ajay Kumar. M, Associate Professor

Organizing Committee

Prof. J. V. K Ratnam
Prof. P .S.S.Chakravarthi
Mr. J. Narasimha Rao
Mr. A. Charles Stud
Mr. V. Naveen Raja
Mr. G. Srinivasa Rao
Mr. P. Bhagya Raju
Mr. Y. V. Lakshmaiah
Mr. Sk. Zuber Basha
Mr. N. Sayedu Khasim
Mr. A. Srinu
Mr. B. Raja Sekhar
Mr. N. Srinivasa Rao
Mr. M. Srinivasa Rao
Mrs. Ch. Krishna Priya
Mrs. B. Suneetha
Mr. G. Sai Ganesh
Mrs. T. Indira
Mr. A. Raveendra Babu
Mr. T. Ravi Kanth
Mr. Sk.Ch. Nagur Shareef
Mrs. P. Vasanthi
Mr. Shajahan Patan
Mr. N. Rajeev Reddy
Mr. V. Rama Krishna Reddy
Mr. Ch. Suresh Babu
Mr. E. Narendra
Mr. Ch. Karthik
Ms. K. Lakshmi Prasanna



NAAC
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAMME REPORT

Name of the Programme : A Five Day FDP on "Recent Trends and Applications in Biomedical Signal and Image Processing"

Date(s) : 26-11-2018 to 30-11-2018

Details of Resource Person: 1.Dr.H.Prasanna Kumar
Asst.Professor, Dept.of EEE,
UVCE, Bangalore

2.Dr.G.V.Subba Rao
Professor, KL University

3.Dr.K.Naga Srinivasa Rao Batta
Asst.Professor, Dept.of ECE
NIT, Warangal

4.Dr.A.V.Nageswara Rao
Assoc.Professor,
Dept.of ECE, NEC

5.Dr.Ajay Kumar .M
Assoc.Professor,
Dept.of ECE, NEC

Objective of the Programme:

1. To give overview of recent trends in several aspects of Image Processing and technologies.
2. Identification of challenges in biomedical systems and technologies.
3. To acquire insights about technological details of different research areas under Image Processing and Biomedical systems.
4. To motivate research scholars/researchers to pursue research in the field of biomedical engineering.

Topic Covered:

1. Bio-Signal Processing and Applications, Transform Techniques, Acquisition of Bio-signals.
2. Bio-Medical Instrumentation, Medical Image Processing.
3. Image and Video processing : Introduction and real time applications
4. Image Segmentation techniques, Pattern Recognition approaches
5. Overview and Technologies of big Image data processing

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NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Outcome of the Programme:

1. Identification different research domains under Biomedical and Image Processing
2. Overview of recent trends in engineering applications in biomedical systems and Image Processing.
3. Being introduced with technologies, systems, devices etc. associated with biomedical requirements.

No.of Participants: 60

Coordinator

HOD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five -Day Short term course on Open source Technologies

BROCHURE

Course Content:

- Introduction to open source software
- Types of operating systems(Ex:LINUX)
- Open source Databases(Ex: PostgreSQL)
- Open Source applications(Ex: open office.org)
- Event driven programming languages(Ex: python programming)
- Apache 2.0
- GNU

Resource Persons:

- Mr.Suraj,
  Smart Bridge Technologies,HYD
- Mr.Srikanth,
  Smart Bridge Technologies,HYD

IMPORTANT DATES:

- **last date for Registration: 10/11/2017**
- **Intimation to Participants: 11/11/2017**

Any Queries Contact:

Dr.S.Siva Nageswarao,
Prof.of CSE Dept,NEC
Mobile:8977987777
Email:sivanags@kluniversity.in

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

AICTE ATAL NEC

A Five - Day Short Term course on

Open Source Technologies

13th – 17th November 2017

Organized
By

Department of
Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT, JAIPUR, NITTTR, Kolkata and Chandigarh in every year

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Objective of A Five Day Short Term course on Open Source Technologies :The main objective of this STTP is to create the program is freely available for public to view, edit and redistribute

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://sttponost.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 10/11/2017**
- **Intimation to Participants: 11/11/2017**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr.S.Siva Nageswarao,
Prof.of CSE Dept,NEC

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada
Ms. M. Sireesha
Mr. P.Lakshminarayana
Mr G.Lakshminarayana
Mr K.Satyam Reddy
Mr K.V.Narasimha Reddy
Ms. S.Chaitanya Bharathi
Mr. K.N. Rao
Mr. K. Gnanendra
Ms. O Aruna
Ms. Ch.Kamala
Mr Sk.K.M.Basha
Mr Y.Suresh

Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 07-12-2018

Programme Report

Name of the Programme : A Five -Day Short term course on Open source Technologies

Dates : 03-12-2018 to 07-12-2018

Details of the Resource Person(s) :

i. Name: Mrs.Shano Solanki
Designation: Assistant Professor,CSE,
Organization: NITTTR,Chandigarh
Phone number: 9666947186
Mail id:solankis@gmail.com

ii. Name: Dr.Rakesh Kumar
Designation: Associate Professor,CSE,
Organization: NITTTR,Chandigarh
Phone number: 9297890967
Mail id:rakeshkumark@gmail.com

iii. Name: Dr.Shikha Sharma
Designation: Sr.Project Manager & Coorporate Trainer,
Organization: Olam Solution Pvt.Ltd., Chandigarh
Phone number: 9052602115
Mail id: sharma@gmail.com

iv. Name: Dr.Gaurav Kumar
Designation: MD
Organization: Magma Research and Consultancy vt.Ltd.,Ambala
Phone number: 80089036387
Mail id:gauravk@gmail.com

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur Dist., A.P.

Objectives of the Programme : The main objective of this STTP is to create the program is freely available for public to view, edit and redistribute.

Topics Covered :

i. Introduction to open source software
ii. Types of operating systems(Ex:LINUX)
iii. Open source Databases(Ex: PostgreSQL)
iv. Open Source applications(Ex: open office.org)
v. Event driven programming languages(Ex: python programming)
vi. Apache 2.0
vii. GNU

Outcome of the Programme : The participate gain the knowledge on open source technology to define the production and development philosophy of allowing end users and developer to not only see the source code of software, but modify it as well.

No. of Participants : 30

Coordinator
(Dr.K.Lakshminadh)

HoD

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five -Day Short term course on AI and Machine Learning

BROCHURE

A Short Term Course on

"AI and Machine Learning"

On

17th Dec, 2018 to 21st Dec, 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :
Place :

Note: Send Registration forms to
nrtec_cs@yahoo.com.
Any queries contact: +91-8096622595

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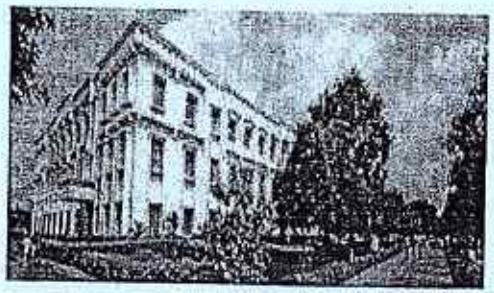
ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The college has established venture development Centre (VDC) in association with i2E north-eastern university USA and APSSDC. Also the college has Indo-European skilling Centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany.



A Short Term Course on

"AI and Machine Learning"

On

17th Dec, 2018 to 21st Dec, 2018

In Association
With
MNIT-JAIPUR

Organized
By
Department of
Computer Science & Engineering

NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited thrice by NBA,
ISO 9001: 2008 Certified.
Three Recognized R&D centers by JNTUK

Phone : 08647-239912
FAX : 08647-239902
E-Mail : **nrtec_cs@yahoo.com**

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

The department is the zonal partner of Artificial Intelligence Research Project launched by Bennett University. The College has tie-up with ICT Academy to meet the skill requirements of the industry and to generate more employability. College has APCM's Skill Development Center.

OBJECTIVE OF WORKSHOP

To expose the Faculty/ Research Scholars/ Students in emerging technologies This workshop provides practical foundation level training at enables immediate and effective participation in AI and Machine Learning is a growing trend in Software Industry, that is used when searching the web, placing ads, credit scoring, stock trading and for many other applications. To learn the hands on experience on Artificial Intelligence fundamental concepts and it will switch into Machine learning is a type of artificial intelligence (AI) that allows software applications to become more accurate in predicting outcomes without being explicitly programmed. The basic premise of machine learning is to build algorithms that can receive input data and use statistical analysis to predict an output value within an acceptable range.

IQAC

Workshop details of AI and Machine Learning

S. No	Module Name	Topic
1	AI Fundamentals	Fundamental Concepts of AI: Agents, environments, general model; Problem Solving techniques.
2	**Search Techniques**	Uninformed search, heuristic search, adversarial search and game trees; Solution of constraint satisfaction problems using Search.
3	**Knowledge Representation**	Propositional and predicate calculus, semantics for predicate calculus,inference rules.
4	**Machine Learning Structures**	Supervised and unsupervised learning. Artificial Neural Network (Multi-Layer Perception), Radial Basis Function, Functional Link ANN,Self-Organizing Map, Clustering Adaptive FIR and IIR structures.
5	**Machine Learning Algorithms**	Least Mean Square algorithm, Back Propagation, Genetic algorithm, Differential Evolution, Particle Swarm Optimization and Other Nature Inspired Optimization.

Resource Persons:

Dr. Bala Subramanian
Prof., CSE , IIT Roorkee
Dr. Atul Gupta,
Prof., CSE, IIITDM Jabalpur
Dr. Prithwijit Guha,
Prof., CSE ,IIT Guwahati
Dr. J. P Singh
Prof., CSE,NIT Patna
Dr. Akshay Deepak
Prof., CSE,NIT Patna

Chief Patrons

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M.S. Chakravarthi
B.Tech, MS (US),e-MBA(ISB-Hyd)
Vice-Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group

Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK)., MISTE., FIE (I).
Principal

Conveners

Dr. S.V.Naga Sreenivasu,
Professor in CSE
Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinators

Dr. B. Jhansi Vazram,
Professor.
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. K. Umapavan Kumar,
Associate Professor.
Dr. K.Lakshminadh
Associate Professor

ORGANIZING COMMITTEE

Mr. K. Hazarathaiah
Ms. M. Sireesha
Mr. N. Kiran Babu
Mr. O.Gandhi
Mr. G.E.Sastry
Ms. Sd. Rizwana
Mr. Sk.Karimulla
Mr. S.Ram Chandra
Mr. N. Brahma Naidu

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 21-12-2018

Programme Report

Name of the Programme : A Five -Day Short term course on AI and Machine Learning

Dates : 17-12-2018 to 21-12-2018

Details of the Resource Person(s) :

i. Name: Dr.Bala Subramananian
Designation: Prof.,CSE
Organization: IIT,ROORKEE
Phone number: 88851775527
Mail id:balasub@gmail.com

ii. Name: Dr.Atul Guptha
Designation: Prof.,CSE
Organization: ,IITDM Jabalpur
Phone number: 7842756510
Mail id:atulg@gmail.com

iii. Name: Dr.Prithwijit Guha
Designation: Prof.,CSE
Organization: IIT Guwahati
Phone number: 8640227455
Mail id:prithwiji@gmail.com

iv. Name: Dr.J.P.Singh
Designation: Prof.,CSE
Organization: NIT Patna
Phone number:9885279066
Mail id:singhjp@gmail.com

v. Name: Dr.Akshay Deepak

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Designation: Prof.,CSE
Organization: NIT Patna
Phone number: 9000240297
Mail id:akshaydeepak@gmail.com

Objectives of the Programme : The main aim of this workshop is to learn the hands-on experience on artificial intelligence fundamental concepts and it will switch into machine learning is a type of AI that allows software application to become more accurate in predicting outcome without being explicitly programmed.

Topics Covered :

i. AI Fundamentals
ii. Search Technics
iii. Knowledge Representation
iv. Machine learning Structures
v. Machine learning Algorithms

Outcome of the Programme : This workshop provides practical foundation level training at enables immediate and effective participate in AI & Machine learning is growing trend in software industry,that is used when searching the web, placing ads, credit scoring, stock treading etc.

No. of Participants : 48

Coordinator

(Dr.S.V.N Srinivasu)

HoD

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Three-Day Short-Term course on "INUSTRY 4.O STANDARD"

Brochure

A Three Day Short Term Course on

"INDUSTRY 4.0 STANDARD"

During

23rd – 25th January - 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration forms to mechod@nrtec.ac.in

Any queries contact: +91-9441895535

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

A Three Day Short Term Course on

"INDUSTRY 4.0 STANDARD"

During

23rd – 25th January - 2019

Organized

By

Department of Mechanical Engineering

NARASARAOPETA NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF WORKSHOP

This course will offer the students to understand the opportunities, challenges brought about by Industry 4.0 and how organizations and individuals should prepare to reap the benefits. It will able to learn the integration of complex physical machinery with networked sensors and software. Learners will gain deep insights into how smartness is being harnessed from data and appreciate what needs to be done in order to overcome some of the challenges.

OURSE CONTENT

- Introduction to Industry 4.0
- Road to Industry 4.0
- Related Disciplines, System, Technologies for enabling Industry 4.0
- Role of data, information, knowledge and collaboration in future
- organizations
- Business issues in Industry 4.0
- Security Issues

WHOM TO ATTEND

- PG students of all disciplines.
- Research scholars in Engineering and Applied Sciences.
- Any faculty/student in thrust of knowledge.

RESOURCE PERSON

Dr. B. S. Pabla, NITTTR-Chandigarh.

Dr. S. S. Dhami, NITTTR-Chandigarh

& Group of faculty from IITs & NITs

IQAC

Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), M.I.S.T.E, FIE(I)
Principal

Conveners

Dr. D. Suneel
Dean (Acad.) & HOD, Dept. of Mech.

Dr. S. B. Venkata Siva
Professor, Dept. of Mech.

ORGANIZING COMMITTEE

Dr. D. Jagadish	Mr.B.Saida Rao
Mr. P.Suresh Babu	Ms.K.Ruthu Rani
Mr. M. Venkanna Babu	Mr.T.Ashok Kumar
Mr. M.Venkaiah	Mr.B.Rajiv Kumar
Mr. P.Srinivasarao	Ms.Sadana
Mr.Ch.Sekhar	Mr. J. Pavan Sai
Mr. K.Kiran chand	Mr. S. Sivanjaneyulu
Mr. N.Siva Naga Raju	Mr. P. Krishna Sudhakar
Mr. N. Vijaya Sekhar	Mr. K. John Babu
Mr. P.Sravani	Mr.R.Ajay Kumar
Mr. J Yesudasu	Mr.P.Rajamma

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:29-01-2019

PROGRAMME REPORT

Name of the Programme : A Three-Day Short-Term course on "INUSTRY 4.O STANDARD"

Dates : 23rd to 25th January, 2019

Details of the Resource Persons :

1. Name : Dr. B S Pabla
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759525.
   Mail.Id : bsp@nitttrchd.ac.in.
2. Name : Dr. Sukhdeep Singh Dhami
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759659
   Mail.Id : ssdhami@nitttrchd.ac.in.

Objective of the programme:

This course will offer the students to understand the opportunities, challenges brought about by Industry 4.O and hoe organizations and individuals should prepare to reap the benefits. It will able to learn the integration of complex physical machinery with networked sensors and software's. Learners will gain deep insights into how smartness is being harnesses from data appreciate what needs to be done in order to overcome some of the challenges.

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PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Dist.) A.P.

Topic Covered:

- Introduction to Industry 4.0
- Road to Industry 4.0
- Related Disciplines, system, Technologies for enabling Industry 4.0
- Role of data, information, knowledge and collaboration in future.
- Organizations
- Business issues in Industry 4.0
- Security Issues

Outcome of the programme:

- It's a fusion of advances in artificial intelligence (AI), robotics, the Internet of Things (IoT), 3D printing, genetic engineering, quantum computing, and other technologies.
- Increased productivity, efficiency and quality in processes
- Greater safety for workers by reducing jobs in dangerous environments, enhanced decision making with data-based tools, improved competitiveness by developing customised products

No. of participants: 50

Coordinator

IQAC

HOD

NARASARAOPET - 522 601.

A Short-Term Course on "Sustainable Environmental Management"

Brochure

A Short Term Course on

"SUSTAINABLE ENVIRONMENTAL MANAGEMENT"

On

28th JANUARY, 2019 to 1st FEBRUARY, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date:

Place:

Note: Send Registration forms to
civilhodnec@gmail.com
Any queries contact: +91-9885812796

ABOUT THE COLLEGE

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In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A Short Term Course on

"SUSTAINABLE ENVIRONMENTAL MANAGEMENT"

On

28th JANUARY, 2019 to 1st FEBRUARY, 2019

In Association
With
NITTTR-Chandigarh

Organized
By
Department of
Civil Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
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Two Recognized R&D centers by JNTUK

Phone : 08647-239006
FAX : 08647-239002
E-Mail : civilhodnec@gmail.com

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2009 with an intake of 60 students. The department offers UG and PG programs. The course offers a deep insight into the discipline and empowers promising engineers with required skills for a successful career in civil engineering. The students of the department have the credit of winning prizes in academics and sport categories from various reputed organizations. The student of very first batch has received gold medal from JNTUK-Kakinada in academics. The department has excellent infrastructure and is well equipped with modern laboratories. The department has highly qualified, experienced, dedicated faculty with industry and research background. With a spectacular academic success present intake has enhanced to 120.

OBJECTIVE OF WORKSHOP

The major objective of Environmental Pollution is to bring about all round improvement in the quality of the environment by effective implementation of the laws, Control of pollution at source to the maximum extent possible with due regard to technological achievement and economic viability as well as sensitivity of the receiving environment which can be achieved by laying down the disposal standard as well as gaseous emission standards.

The object of this program is to expose the teachers to various challenges in the Environment and its impact over the climate change, various waste disposal methods. It also aims to create awareness about various Environment laws and present codes of utilization.

COURSE CONTENT

1. Environmental Issues and Concerns
2. Global Climate Change & Impact
3. Noise Pollution, Water Pollution & Air Pollution
4. Environmental Laws/Legislation
5. Lab Work, Cleaner Production Methods and Mechanisms
6. Waste Minimization Techniques
7. ISO 14000, Green and Energy Efficient Buildings
8. Environmental Impact Assessment
9. Green & Energy Efficiency Buildings

RESOURCE PERSONS

Dr.S.C.Jain, Punjab University, Chandigarh

Dr.Ashok Sharma, Chief Executive, Cleantech International Foundation

Dr. Shakti Arora, Professor, Civil Engineering Department, PEC University of Technology, Chandigarh

Dr. Sanjay Kr.Sharma, Professor, Civil Engineering Department, NITTTR, Chandigarh

Er.Himmi Gupta, Assistant Professor, Civil Engineering Department, NITTTR, Chandigarh

Dr.D.P.Sharma, Himachal Pradesh Pollution Control Board, Shimla

Dr.Shiby John, Punjab Engineering College, Chandigarh

Dr.L.N.Sharma, PEC.University of Technology, Chandigarh

Dr.Madhu Sony Himachal Science and Technology Department, Shimla

WORKSHOP COMMITTEE

Chief Patron:

Sri M.S. Chakravarthi
B.Tech., MS(US), e-MBA @ ISB, Hyd.
Vice - Chairman, NEC Group

Patrons:

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron:

Dr. M. Sreenivasa Kumar
B.Tech, M.Tech, Ph.D.
Principal

Conveners

Dr. G. Babu Rao, Ph. D, FSESAP
Asst. Professor

S. Kanambara Rao,
Professor & HOD, Dept. of Civil.

ORGANIZING COMMITTEE

Mr.M.Srinivasa Rao	Mr. K.V.N. Lavnia Naik
Mr. Y.Anjaiah	Mr.K.V.Pratap
Mr. D.Naga Raju	Mr.K.N.Lakshmaiah
Ms. K.Pratyusha	Mr. K.Anil Kumar
Mr. K.Venkatesh	Mr.V.Ramanjaneyulu
Mr.K.Dinesh Kumar	Ms.Ch.S. Tirumala Devi
Mr. B.Hari Kumar	Mrs. V.Lakshmi

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yallamanda (P.O), NARASARAOPET-522 601, Guntur Dist. A.P,
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited "A" Grade by NAAC, Accredited Twice by NBA,
Two Recognized R&D centres by JNTUK,
ISO 9001: 2008 Certified Institution

A FIVE days short term course on
"SUSTAINABLE ENVIRONMENTAL MANAGEMENT"

WORKSHOP COMMITTEE

Chief Patron:

Sri M.S. Chakravarthi
B.Tech., MS(US), e-MBA @ ISB, Hyd.
Vice - Chairman, NEC Group

Patrons:
Sri M.V. Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron:
Dr. M. Sreenivasa Kumar
B.Tech, M.Tech. Ph.D.
Principal

Conveners
Dr. G. Babu Rao, Ph. D, FSIESRP
Asst. Professor

S. Kanakambara Rao
Professor & HOD Dept. of Civil.

Organizing Committee

Mr.M.Srinivasa Rao	Mr. K.V.Naga Laxma Naik
Mr. Y.Anjaiah	Mr.K.V.Pratap
Mr. D.Naga Raju	Mr.K.N.Lakshmaiah
Ms. K.Pratyusha	Mr. K.Anil Kumar
Mr. K.Venkatesh	Mr.V.Ramanjaneyulu
Mr.K.Dinesh Kumar	Ms.Ch.S. Tirumala Devi
Mr. B.Hari Kumar	Mrs. V.Lakshmi

INVITATION

Date: 23-01-2019.

To
The Director/Principal
Dear Sir/Madam,

It gives us immense pleasure to inform you that, our college is organizing a three day short term course on **"SUSTAINABLE ENVIRONMENTAL MANAGEMENT"**, from 28th January to 1st February 2019. The program will be conducted by senior faculty members from NITTTR-Chandigarh.

The major objective of Environmental Pollution is to bring about all round improvement in the quality of the environment by effective implementation of the laws, Control of pollution at source to the maximum extent possible with due regard to technological achievement and economic viability as well as sensitivity of the receiving environment which can be achieved by laying down the disposal standard as well as gaseous emission standards.

The object of this program is to expose the teachers to various challenges in the Environment and its impact over the climate change, various waste disposal methods. It also aims to create awareness about various Environment laws and present codes of utilization.

We cordially invite your college faculty members to participate in this FDP. We deem it honour if your faculty members would join us in good number in this program. We request you to kindly give wide publicity by circulating the brochure enclosed among the faculty members of your college and encourage them to take part in this program.

We look forward for your cooperation and active participation of your faculty members.

For further details:

Dr. G. Babu Rao,
Asst. Professor
S. Kanakambara Rao,
Professor & HOD, Dept. of Civil

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yallamanda (P.O), NARASARAOPET-522 601, Guntur Dist. A.P,
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited "A" Grade by NAAC, Accredited Twice by NBA,
Two Recognized R&D centres by JNTUK,
ISO 9001: 2008 Certified Institution

Date: 04/02/201

PROGRAMME REPORT

Name of the Programme : **A Short Term Course on "SUSTAINABLE ENVIRONMENTAL MANAGEMENT"**

Dates : 28/01/2019 to 01/02/2019

Details of the Resource Person

Name : Dr. Sanjay Kr.Sharma

Designation : Professor, Civil Engineering Department

Organization : NITTTR, Chandigarh

Phone No. : 0172-2759514

Email : sanjaysharmachd@gmail.com

Objectives of the Programme:

- Effects of Environmental Pollution
- To bring about all round improvement in the quality of the environment
- Effective implementation of the laws
- awareness about various Environment laws and present codes of utilization
- Control of pollution at source
- Technological achievement in controlling pollution
- Economic viability
- Various waste disposal methods
- Disposal standard
- Gaseous emission standards
- Environment and its impact over the climate change

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Topics Covered:

- Environmental Issues and Concerns
- Global Climate Change & Impact
- Noise Pollution, Water Pollution & Air Pollution
- Environmental Laws/Legislation
- Lab Work, Cleaner Production Methods and Mechanisms
- Waste Minimization Techniques
- ISO 14000, Green Buildings
- Environmental Impact Assessment
- Energy Efficiency Buildings

Outcomes of the Programme:

- Understanding the upcoming issues in environment
- Remedies preparation for the impacts and changes in environment
- Control measures for pollutions
- Controlling of pollutants
- Regulating and revising of Laws
- Implementation of clearing mechanisms
- Minimizing wastes
- Utilizing green buildings
- Assessing the impacts on environment
- Conservation of energy

No. of participants: 17

Coordinator

HOD

IQAC

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day Short-Term course on "Green Manufacturing"

Brochure

A Five day Short Term Course on "Green Manufacturing"

During

11th – 15th February – 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration forms to mechod@nrtec.ac.in

Any queries contact: +91-9908815648

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

A Five day Short Term Course on "Green Manufacturing"

During

11th – 15th February - 2019

Organized

By

Department of Mechanical Engineering

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

IQAC

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF WORKSHOP

The course aims to introduce and explain the design concepts, methods, tools and some technologies, and operations of sustainable lean and green manufacturing systems and processes. It also covers the assessment, audit, design and maintenance of sustainable green manufacturing products, processes, service systems, and leads towards the entire greening process of multi-lifecycle manufacturing operations, factories and their supply chains.

COURSE CONTENT

- Green Manufacturing Design
- Statistical Techniques for Green Manufacturing.
- Green Manufacturing Management
- Environment Sustainability and Impact Assessment.
- Case Studies in Green Manufacturing Practice.

WHOM TO ATTEND

- PG students of all disciplines.
- Research scholars in Engineering and Applied Sciences.
- Any faculty/student in thrust of knowledge.

RESOURCE PERSON

Er.Suneel D. Jassai NITTTR-Chandigarh.

&Team of faculty from IITs & NITs

Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao B Sc.
Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), M I S T E, FIE(I)
Principal

Convener

Mr. Ch .Sekhar
Asst.Professor ,Dept. of Mech.

Dr. D. Suneel
Dean (Acad.) & HOD, Dept. of Mech.

ORGANIZING COMMITTEE

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Mr. M. Venkanna Babu	Mr.B.Rajiv Kumar
Mr. M.Venkaiah	Ms.Sadana
Mr. P.Srinivasarao	Mr. J. Pavan Sai
Mr. K.Kiran chand	Mr. S. Sivanjaneyulu
Mr. N.Siva Naga Raju	Mr. P. Krishna Sudhakar
Mr. N. Vijaya Sekhar	Mr. K. John Babu
Mr. P.Sravani	Mr.R.Ajay Kumar

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PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:19-02-2019

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "Green Manufacturing"

Dates : 11th to 15th February, 2019

Details of the Resource Persons :

3. Name : Er. Sunil D. Jassal
   Designation : Associate Professor, Mech
   Organization : IIT Roorkee
   Phone No : +91-172-275965
   Mail.Id : jassalsd@nitttrchd.ac.in/

Objective of the programme:

The course aims to introduction and explain the design concepts, methods, tools and some technologies and operations of sustainable lean and green manufacturing systems and processes, service systems and leads towards the entire greening process of multi-lifecycle manufacturing operations factories and their supply chains.

Topic Covered:

- Green manufacturing Design
- Statistical Techniques for green Manufacturing
- Green Manufacturing Management
- Environment sustainability and impact assessment
- Case studies in green Manufacturing Practices

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(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Outcome of the programme:

- Green manufacturing can produce less waste, fewer resources and energy consumption, little environmental pollution.
- Save Money. If planned out carefully, many green changes in the workplace can help reduce the manufacturers overall operating costs.
- Built a Green Reputation.
- Impact on the Environment

No. of participants: 44

Coordinator

IQAC

HOD

Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five -Day Short term course on Problem Based Learning

BROCHURE

A Short Term Training Programme on "Problem Based Learning"

on

11th February, 2019 to 15th February, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant ,

Date :

Place :

Any queries contact: +91-8096622595

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, Chairman and Sri.M.S.Chakravarthi, Vice-Chairman who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited by NAAC with 'A' Grade, Accredited twice by NBA and ISO 9001: 2008 certified. NEC has 'AUTONOMOUS' status in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. NEC is the first of its kind in Andhra Pradesh to sign MOU with Foreign Universities like Oracle and Scholars University (USA). The college offers six M.Tech programmes, Two PG courses are MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A Short Term Training Programme on "Problem Based Learning"

On

11th February, 2019 to 15th February, 2019

In Association

With

NITTTR-Kolkata

Organized

By

Department of

Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Accredited by NAAC, Accredited Thrice by NBA,

ISO 9001: 2008 Certified.

Three Recognized R&D centers by JNTUK

Phone : 08647-239912

FAX : 08647-239902

E-Mail : csehod@nrtec.ac.in

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

OBJECTIVE OF WORKSHOP

After attending this programme, participants would be able to:

- Explain the basic problem solving strategies in classroom.
- Identify specific problems covering a particular area of learning.
- Solve problems in various branches of Engineering through PBL.
- Analyse the benefits associated with PBL compared to conventional learning

Problem-Based Learning (PBL) is a teaching method in which complex real-world problems are used as the vehicle to promote student learning of concepts and principles as opposed to direct presentation of facts and concepts.

Any subject area can be adapted to PBL with a little creativity. While the core problems will vary among disciplines, there are some characteristics of good PBL problems that transcend fields

- The problem must motivate students to seek out a deeper understanding of concepts.
- The problem should require students to make reasoned decisions and to defend them.
- The problem should incorporate the content objectives in such a way as to connect it to previous courses/knowledge.
- If used for a group project, the problem needs a level of complexity to ensure that the students must work together to solve it.
- If used for a multistage project, the initial steps of the problem should be open-ended and engaging to draw students into the problem.

Resource Persons:

Dr. Indrajit Saha, NITTTR-Kolkata
Dr. Sagarika Pal, NITTTR- Kolkata
Dr. Kinsuk Giri, NITTTR- Kolkata
Dr. Arpan Kumar Mondal, NITTTR- Kolkata

Chief Patrons

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M.S. Chakravarthi
B.Tech, MS (US),e-MBA(ISB-Hyd)
Director, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group

Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE (I).
Principal.

Convener

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinators

Dr.K. Lakshminadh,
Associate Professor.

Dr. S. Siva Nageswara Rao,
Associate Professor.

ORGANIZING COMMITTEE

Dr. B. Jhansi Vazram
Dr.K.Uma Pavan Kumar
Dr.Sharma
Ms. G. L. N. Jayaprada
M.Sireesha
Mr. G.E.Sastry
Mr. N. Kiran Babu
Mr.O.Gandhi
Ms. Sd. Rizwana
Mr. K. Hazarathaiah

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Principal

(AUTONOMOUS)
NARASARAOPET 522 601.
Guntur (Dist.) A.P.

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 15-02-2019

Programme Report

Name of the Programme : A Five -Day Short term course on Problem Based Learning

Dates : 11-02-2019 to 15-02-2019.

Details of the Resource Person(s) :

i. Name: Dr.Indrajith Saha
Designation:Professor
Organization: NITTTR,Kolkatha
Phone number: 9121687847
Mail id:sahain@gmail.com

ii. Name: Dr.Sagarika pal,
Designation: Professor
Organization: NITTTR,Kolkatha
Phone number: 9581397349
Mail id:sagarikapal@gmail.com

iii. Name: Dr. Kinsuk giri
Designation: Professor
Organization: NITTTR,Kolkatha
Phone number: 8179630558
Mail id:girik@gmail.com

iv. Name: Dr.Arpan Kumar Mondal
Designation: Professor
Organization: NITTTR,Kolkatha
Phone number: 9706613379
Mail id:arpank@gmail.com

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Objectives of the Programme : The objective of STTP is to explain a teaching method in which complex real world problems are used as a whehicle to promote student learning of concepts and principals as opposed to direct presentation on facts & concepts.

Topics Covered :

i. Introduction to Problem Based Learning
ii. Implementation Issues in Problem Based Learning
iii. Developing Problems and Tutorial Process
iv. Assessment and Evaluation
v. PBL Applications and Research Trends

Outcome of the Programme : The participants would be able to solve problems in various branches of engineering through problem based learning.

No. of Participants : 50

Coordinator

(Dr.K.Lakshminadh)

HoD

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day Short-Term course on "Recent Trends in Automobile Technology"

Brochure

A Five day Short Term Course on

"Recent Trends in Automobile Technology"

During

24th – 28th February - 2020

REGISTRATION FORM

Name:_____

Designation: _____

Mobile No.:_____

College Name: _____

E-Mail: _____

Experience:_____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to

mechhod@nrtec.ac.in

Any queries contact: 08647-239923

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited Thrice by NBA and ISO 9001: 2008 certified. The institute got awarded 'AAA' Ranking by CAREERS 360. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem institute has MoU with **TiE** Hyderabad. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. The college has Dassault Systems 3D Experience Lab, Established in Collaboration with APSSDC. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has Institution Innovation Council approved by MHRD-IIC. The college is a member of Internshala-Internship Partner. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

A Five day Short Term Course on

"Recent Trends in Automobile Technology"

During

24th – 28th February - 2020

Organized

By

Department of Mechanical Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc..The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

ABOUT SHORT TERM COURSE

The aim of this course is to provide the overview of Recent Automobile Engine Technologies. Modern Automobile Engineering is advancing at rapid rate and a number of features are being added in modern automobiles. The advances pertain to mechanical, thermal, Electronics, Electrical as well as software. The course has been planned to give exposure to the Participants of the newer developments in this field.

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Programe objectives

- Over view of Engine Technologies
- New Engine Technologies for Performance and Emissions
- Exhaust Emissions and Analysis
- Electronic Control of Engines
- Alternative Fuels
- Performance and Emissions of Engine using alternate fuels
- Pure Electric and Hybrid Vehicles
- Case studies

WHOM TO ATTEND

- Faculty from all disciplines

RESOURCE PERSON

Dr. S.S. Banwait, NITTTR –Chandigarh.
Dr.S.S.Dhami, NITTTR – Chandigarh.
&
Team of faculty from IIT's & NITs



Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (U.K), M.I.S.T.E, FIE (I)
Principal

Conveners

Dr. D. Suneel
Dean (Acad.) & HOD, Dept. of Mech.

Ms. P. Sravani
Professor, Dept. of Mech.

ORGANIZING COMMITTEE

Dr. D. Jagadish
Dr. B.VenkataSiva
Mr. P.Suresh Babu
Mr.CH.Sekhar
Mr.N.V.Sekhar
Mr. M. Venkanna Babu
Mr.N.Siva Nagaraju
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Ms.T.V. Deepthi
Mr.M.Venkaiah
Mr.P.SrinivasaRao
Mr.B.Rajiv kumar
Mr. K. John Babu
Mr.R.Ajay Kumar
Mr.P.Rajanna
Mr.B.V.Sravan Kumar
Mr.S.K.Bajan
Mr.G.Nagaraju
Mr.P.Sarath Chandra

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:05-03-2019

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "Recent Trends in Automobile Technology"

Dates : 25-02-2019 to 01-03-2019

Details of the Resource Persons :

1. Name : Dr. B S Pabla
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759525.
   Mail.Id : bsp@nitttrchd.ac.in.
2. Name : Dr. Sukhdeep Singh Dhami
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759659
   Mail.Id : ssdhami@nitttrchd.ac.in.

Objective of the programme:

The aim of this course is to provide the overview of Recent Automobile Engine Technologies. Modern Automobile Engineering is advancing at rapid rate and a number of features are being added in modern automobiles. The advances pertain to mechanical thermal, Electrical as well as software. The course has been planned to give exposure to the participants of the newer developments in this field.

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Topic Covered:

- Over view of Engine Technologies
- New Engine Technologies for performance and Emission
- Exhaust Emission and Analysis
- Electronic Control of Engines
- Alternative fuels
- Performance and Emission of Engine using alternate fuels
- Pure Electric and Hybrid Vehicles
- Case studies

Outcome of the programme:

- The biggest change that has already occurred in the automotive industry as a result of technology is that of autonomy.
- Manufacturers are in the process of developing self-driving cars on a larger scale.
- Most modern cars feature autonomous systems like Autonomous Emergency Braking.

No. of participants: 40

Coordinator

HOD

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A One -Day Workshop on MOODLE Learning Management System

BROCHURE

Who should attend?

As this workshop is not subject-specific, teaching faculty from all domains (engineering, sciences, commerce, art, management, medicine, law, etc.) and also from polytechnic colleges and schools, can attend. Teachers registered in a Masters or a PhD programme, during their employment as a teacher, can also participate.

Criteria for issuing Certificates

E-certificate will be provided to the participants after successful completion of the workshop and filling up the feedback form.

Duration and Venue

The workshop will be conducted on **Friday, 15 March 2019 from 9.30 AM to 6.00 PM** at 106 Remote Centres of IIT Bombay. This workshop will be conducted through a blended mode, using both live video conferencing facility (A-VIEW) and hands-on sessions using Spoken Tutorials. A detailed workshop schedule will be available soon.

How to apply?

Enrollment will be strictly online, and no other mode of application will be entertained. **The last date of registration is 14 March 2019, 12.30 pm.** The URL for registration is: http://www.it.iitb.ac.in/nmeict/announcements.html

Register on the Spoken Tutorial Website:

1. Before the workshop, participants should register on https://spoken-tutorial.org/
2. Fill up the registration form and submit.
3. An email will be received.
4. The account should be activated by clicking the link in the email.
5. The Username and Password should be noted. This is an extremely important step. One needs this information to post questions on the forum, which will be explained at the time of the workshop.

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Note

- Neither IIT Bombay nor the Remote Centre will bear the travel expense of the participating representatives. There shall also be no accommodation provided to the participants.
- All participants are required to bring **ear phones**, as they will have to listen to video tutorials. Without ear phones, the workshop will not at all be effective.
- As this workshop is mainly hands-on, it is **mandatory** for all System Administrators to bring a **laptop** and **ear phone** when they come to the workshop. System administrators will be required to install Moodle software on their machines during the workshop.
- All system administrators will also be required to download the Moodle software before they come to the workshop. Instructions for this will be mailed separately.

Address for communication

Dr. Kalpana Kannan
Project Coordinator, ESOS Project
Department of CSE, Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076
Tel.: +91-22-2576 4989
Fax: +91-22-2572 0022
Email: coutreach@it.iitb.ac.in

One day Workshop

Under
'Pandit Madan Mohan Malaviya
National Mission on Teachers and Teaching
(PMMMNMTT)',
MHRD, Govt. of India

on

Moodle Learning Management System

15 March 2019

Conducted by the
Teaching Learning Centre (ICT)
at
IIT Bombay

Course Coordinator

Prof. Kannan Moudgalya
Department of Chemical Engineering
Indian Institute of Technology Bombay
Powai, Mumbai 400076

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (D

Introduction

IIT Bombay has conducted many large-scale teacher training workshops under the Train 10,000 Teachers (T10KT) programme, sponsored by the National Mission on Education through ICT (NMEICT), MHRD, Govt. of India, and trained over 2,00,000 teachers.

Another successful technology developed at IIT Bombay is Spoken Tutorial, using which about 50 lakh students have been trained on various ICT topics. The effectiveness of this method can be seen from the testimonials available here: https://spoken-tutorial.org/testimonials/media/?foss=70. The Spoken Tutorial project is also implemented successfully at IIT Bombay, with funding from NMEICT, MHRD.

It is now proposed to offer the highly effective Spoken Tutorial based ICT training to a large number of teachers, across the country, through the T10KT methodology, with **Moodle** training being taken up next. Moodle is a popular Free/Libre and Open Source 'Learning Management System' (LMS). Moodle is extremely useful to teachers to organise their course, interact with students through forums, organise quiz, do the grading, etc. It is very useful to teachers at all levels: from schools to colleges. It is also available free of cost.

The Moodle workshop is organised by the **Teaching Learning Centre (ICT)** at IIT Bombay, under the scheme of the 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (**PMMMNMTT**), MHRD, Govt. of India. As Spoken Tutorial method offers hands on practice, with 100% active learning, teachers who undergo this training will be able to start using Moodle immediately after the workshop.

The one day Moodle workshop will be conducted on **Friday, 15 March 2019,** through 106 Remote Centres of T10KT.

This training will be provided to two kinds of participants:

I. **Teachers**: They will be given training on how to use Moodle and to create and deliver courses online to their students. More details of this are given in the topic list.

II. **System administrators**: They will be given training on Moodle installation, and how to configure and set-up Moodle.

Methodology of the Workshop

It will be a one day workshop, on 15 March 2019. All participants will have to go to their chosen Remote Centre. They will learn Moodle through Spoken Tutorials, with help from Coordinators, already trained for this purpose at IIT Bombay. As the learning will happen only through carefully designed Spoken Tutorials at IIT Bombay, the quality of learning will be very high. All the participants, from all the Remote Centres, will be able to interact with the Moodle team at IIT Bombay, ask them questions, etc., through the video conferencing software A-VIEW. There will be about 4 hours available for Moodle training and 2 hours for interactions.

Teaching faculty:

Prof. Kannan Moudgalya, Principal Investigator, TLC (ICT), and Spoken Tutorial projects, IIT Bombay

Ms. Nancy Varkey, Spoken Tutorial Project, IIT Bombay

Ms. Nirmala Venkat, Spoken Tutorial Project, IIT Bombay

Course content

Moodle is a learning management system (**LMS** in short) which helps teachers and educators create online courses for adaptive and customized learning. Developed in 2002, it is a free/libre and open source software and is being used by many small and large institutions to create and deliver courses online to their students.

Moodle has many built-in features ranging from the basics such as file upload, assignments, quizzes, notifications and advanced features such as forums, quizzes, wiki, etc. that can be used by learners. It also has many easy-to-install plug-ins such as attendance, reminders, analytics, etc., to supplement these features,

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Following topics will be covered for **System Administrators** in this workshop:

- Getting ready for Moodle Installation
- Installing Moodle on Local Server
- Admin Dashboard
- Blocks in Admin Dashboard
- Categories in Moodle
- Courses in Moodle
- Users in Moodle
- User Roles in Moodle

Following topics will be covered for **Teachers** in this workshop:

- Teachers Dashboard in Moodle
- Course Administration in Moodle
- Formatting Course material in Moodle
- Uploading and Editing resources in Moodle
- Forums and Assignments in Moodle
- Question bank in Moodle
- Quiz in Moodle
- Enroll Students and Communicate in Moodle

Please note that the medium of instruction for this workshop is English. Language dubbed Spoken Tutorials in Hindi and a few other languages will also be available.

Course Fee

Every participant (both Teachers and the System Administrators) has to pay Rs. 100 as the course fee to IIT Bombay at the time of online registration. On the day of the workshop, i.e., on 15 March 2019, they have to pay Rs. 400 to the Remote Centre that they would be attending, to defray the cost of organising the workshop, lunch, and coffee/tea.

Please note that the registration fee once paid is neither refundable nor adjustable under any circumstances.

(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 15-02-2019

Programme Report

Name of the Programme : A One -Day Workshop on MOODLE Learning Management System

Dates : 15-03-2019

Details of the Resource Person(s) :

i. Name: Prof.Kannan Moudgalya
Designation: Principal Investigator,TLC(ICT),and Spoken tutorial Projects,.
Organization: IIT Bombay
Phone number:9652192978
Mail id: drmoudgalya@gmail.com

ii. Name: Ms.Nancy Varkey
Designation: Spoken tutorial Projects,
Organization: IIT Bombay
Phone number:7075828435
Mail id:namcy.v@gmail.com

iii. Name: Ms.Nirmala Venkat
Designation: Spoken tutorial Projects.
Organization: ,IIT Bombay
Phone number:9849686425
Mail id :nirma@gmail.com

Objectives of the Programme : The aim of this workshop explains for blended learning, distance education, flipped class rooms and other E-learning projects in universities and work places. And also useful to conduct online courses and online exams.

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Topics Covered :

i. Teachers Dash Board in MOODLE.
ii. Course Administration in MOODLE
iii. Formatting Course Material in MOODLE
iv. Uploading and Editing resources in MOODLE
v. Forums and Assignments in MOODLE.
vi. Question Bank in MOODLE.
vii. Quiz in MOODLE
viii. Enroll Students & Communication in MOODLE

Outcome of the Programme : The participants would be able to understand how to use MOODLE and to create and deliver course online their students.

No. of Participants : 55

Coordinator
(Mr.Shaik.K.M.Basha)

HoD

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day Short-Term course on "CAD Using SOLIDWORKS"

Brochure

A Five day Short Term Course on "CAD Using SOLIDWORKS" During 11th – 15th March - 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to **mechod@nrtec.ac.in**

Any queries contact: +91-8919019632

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited Thrice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes. Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601

A Five day Short Term Course on "CAD Using SOLIDWORKS" During 11th – 15th March - 2019

Organized By

Department of Mechanical Engineering

NARASARAOPETA NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF SHORT TERM COURSE

This course provides participants with a broad introduction to 2-dimensional and 3dimensional Computer-Aided Design (CAD) and modeling environment in SOLIDWORKS. The course aims to provide fundamental knowledge for analysis and design using solid works software. The topics covered in the curriculum are chosen in such a way that the students get a very good idea of practical applications in context of modelling and simulation.

COURSE CONTENT

- SolidWorks Graphical User Interface
- Sketch Entities
- Blocks, Relations and Dimensioning
- Part Modelling
- Advanced part modelling
- Assembly modelling
- Generating detail drawings from model
- Surface modelling

WHOM TO ATTEND

- PG students of all disciplines.
- Research scholars in Engineering and Applied Sciences.
- Any faculty/student in thrust of knowledge.

RESOURCE PERSON

Er. Sunil D. Jassal, NITTTR-Chandigarh.

&Team of faculty from IITs & NITs

Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

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Sri M.V. Koteswara Rao B.Sc.,
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Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), M.I.S.T.E, FIE(I)
Principal

Convener

Mr. N.Siva Nagaraju
Asst.Professor ,Dept. of Mech.

Dr. D. Suneel
Dean (Acad.) & HOD, Dept. of Mech.

ORGANIZING COMMITTEE

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Mr. S. Sivanjaneyulu
Mr. P. Krishna Sudhakar
Mr. K. John Babu
Mr.R.Ajay Kumar

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PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:20-03-2019

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "CAD Using SOLIDWORKS"

Dates : 11th to 15th March, 2019

Details of the Resource Persons :

4. Name : Er. Sunil D. Jassal
   Designation : Associate Professor, Mech
   Organization : IIT Roorkee
   Phone No : +91-172-275965
   Mail.Id : jassalsd@nitttrchd.ac.in/

Objective of the programme:

This course provides participants with a broad introduction to 2-Dimentional and 3-Dimentional Computer-Aided Design (CAD) and Modelling environment in SOLIDWORKS. The course aims to provide fundamental knowledge for analysis and design using solid works software. The topics covered in the curriculum are chosen in such a way that the students get a very good idea of practical applications in context of modelling and simulation.

Topic Covered:

- Solis Works Graphical User Interface
- Sketch Entities
- Blocks, relations and Dimensioning
- Part Modelling

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Guntur (Dist.), A.P.

- Advanced part modelling
- Assembly Modelling
- Generating detail drawings from model
- Surface modelling

Outcome of the programme:

- SOLIDWORKS 3D CAD. Create sophisticated part and assembly designs quickly and efficiently using powerful, easy-to-use software.
- Design Reuse and Automation.
- Part and Assembly Modelling.
- Interference Check.
- Design for Cost: Manufacturing Cost Estimation and Quoting.
- 2D Drawings.
- Design Analysis.
- CAD Library
-

No. of participants: 52

Coordinator

HOD

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A Five-Day Short-Term course on "Computer Aided Design & Manufacturing"

Brochure

A Five day Short Term Course on "Computer Aided Design & Manufacturing"

During

18th – 22nd March - 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to mechod@nrtec.ac.in

Any queries contact: +91-7093596116

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ABOUT THE COLLEGE

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Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

A Five day Short Term Course On "Computer Aided Design & Manufacturing"

During

18th – 22nd March - 2019

Organized

By

Department of Mechanical Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

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ISO 9001: 2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechhod@nrtec.ac.in

Principal

NARASARAOPET ENGINEERING COLLEGE (AUTONOMOUS) NARASARAOPET - 522 601. Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF SHORT TERM COURSE

Throughout the life cycle of engineering products, computers have a prominent role. In the process of product design, this role is becoming increasingly important due to competitive pressures. Therefore, the knowledge of fundamentals and various hardware/software tools of CAD for manufacturing are indispensible for a manufacturing technologist.

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COURSE CONTENT

- Computer Aided Design
- CAD Software
- Geometric Modelling
- CAD Database
- Manufacturing Applications
- Features of some Software Packages

WHOM TO ATTEND

- PG students of all disciplines.
- Research scholars in Engineering and Applied Sciences.
- Any faculty/student in thrust of knowledge.

RESOURCE PERSON

Er. P. S. Rao, NITTTR - Chandigarh.

&Team of faculty from IITs & NITs

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao B.Sc.,
Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), M.I.S.T.E, FIE(I)
Principal

Convener

Mr. B.Rajiv Kumar
Asst.Professor ,Dept. of Mech.

Dr. D. Suneel
Dean (Acad.) & HOD, Dept. of Mech.

ORGANIZING COMMITTEE

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Dr.B.Venkata Siva	Ms.K.Ruthu Rani
Mr. P.Suresh Babu	Mr.T.Ashok Kumar
Mr. M. Venkanna Babu	Mr.B.Rajiv kumar
Mr. M.Venkaiah	Ms.Sadana
Mr. P.Srinivasarao	Mr. J. Pavan Sai
Mr. K.Kiran chand	Mr. S. Sivanjaneyulu
Mr. N.Siva Naga Raju	Mr. P. Krishna Sudhakar
Mr. N. Vijaya Sekhar	Mr. K. John Babu
Mr. P.Sravani	Mr.R.Ajay Kumar

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:26-03-2019

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "Computer Aided Design & Manufacturing"

Dates : 18th to 22nd March, 2019

Details of the Resource Persons :

1. Name : Er. P. Sudhakar Rao
   Designation : Assistant Professor, Mech
   Organization : IIT Roorkee
   Phone No : 0172-2759617
   Mail.Id : psrao.iitr@gmail.com

Objective of the programme:

Throughout the life cycle of Engineering products, computers have a prominent role. In the process of product design, this role is becoming increasingly important due to competitive pressures. Therefore, the knowledge of fundamentals and various hard/software tools of CAD for manufacturing are indispensable for a manufacturing technologist.

Topic Covered:

- Computer Aided Design
- CAD Software
- Geometric Modelling
- CAD Database

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

- Manufacturing Applications
- Features of some Software Packages

Outcome of the programme:

- At the end of the program, you will be able to produce computer-aided mechanical drawings of components and assemblies of industrial machines, machinery parts and other mechanical equipment by: Preparing engineering drawings to meet current standards.
- It can also automatically generate detailed drawings and bills of materials for the manufacturer.

No. of participants: 52

Coordinator

HOD

IQAC

Principal
MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)
MADANAPALLE-517 325
Chittoor (Dist.), A.P.

A Five -Day Short Term Training Program on NBA Accreditation

BROCHURE

A Short Term Training Programme on "NBA Accreditation"

on

22nd April, 2019 to 26th April, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

Any queries contact: +91-7981815225

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle university (USA), NEC has MOUs with various Foreign universities. The college offers seven M.Tech programmes, Two PG courses are MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The College has established Venture Development Centre(VDC) in association with i2E north-eastern university USA AND APSSDC . Also college has Indo-European skilling centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC(Applied Robot Control),Germany.



A Short Term Training Programme on "NBA Accreditation"

On

22nd April, 2019 to 26th April, 2019

Organized

By

Department of Computer Science & Engineering

NEC

In Association

With

NITTTR-Kolkata

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Accredited by NAAC, Accredited Thrice by NBA,

ISO 9001: 2008 Certified.

Three Recognized R&D centers by JNTUK

Phone : 08647-239912

FAX : 08647-239902

E-Mail : **csehod@nrtec.ac.in**

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

OBJECTIVE OF WORKSHOP

After attending this programme, participants would be able to:

- Find the Impact of NBA Accreditation
- Prepare Vision, Mission, Program Educational Objectives
- Prepare Course Outcomes and Program Outcomes
- Learn how to prepare SAR
- Practice Criteria I to X

National Board of Accreditation (NBA) was originally constituted in September 1994, in order to assess the qualitative competence of educational institutions from Diploma level to Post-Graduate level in Engineering and Technology, Management, Pharmacy, Architecture and related disciplines.

The vision of NBA is "to be a world class accrediting agency by ensuring highest degree of credibility in assurance of quality and relevance of professional education and come to the expectations of its stake-holders viz. academicians, corporate, educational institutions, government, industry, regulators, students and their parents".

Mission of NBA is working with the Mission, "to stimulate the quality of teaching, self-evaluation and accountability in higher education , which help institutions realize their academic objectives and adopt teaching practices that enable them to produce high quality professionals and to assess and accredit the programs offered by colleges and/or institutions imparting technical and professional education.".

The following are the broad objectives of NBA

- To periodically conduct evaluation of technical institutions or programs on the basis of guidelines, norms and standards specified by it.

- To develop quality conscious systems of technical education where excellence, relevance to market needs and participation by all stake holders are prime and major determinants.

- To dedicate for building a technical education system, as facilitators of human resources, that will match the national goals of growth by competence, contribution to economy through competitiveness and compatibility with societal development.

- To provide the quality benchmarks targeted at global and national stockpile of human capital in all fields of technical education.

Chief Patron:

Sri M.S. Chakravarthi
B.Tech., MS (US), e-MBA(ISB-Hyd)
Vice - Chairman, NEC Group.

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Sri M.V. Koteswara Rao B.Sc.
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Secretary, NEC Group.

Co-Patron:

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK), MISTE., FIE(I)
Principal

Convener

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinators

Dr.K. Lakshminadh,
Associate Professor.

Dr. S. Siva Nageswara Rao,
Associate Professor.

ORGANIZING COMMITTEE

Dr. B. Jhansi Vazram
Dr.S.V.N.Sreenivasu
K.Nitalaksheswara Rao
M.Sireesha
Mr. G.E.Sastry
Ms. Sd. Rizwana
Mr.Sk.K.M.Basha
Mr. K. Hazarathaiah

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 26-04-2019

Programme Report

Name of the Programme : A Five -Day Short Term Training Program on NBA Accreditation

Dates : 22-04-2019 to 26-04-2019

Details of the Resource Person(s) :

Name: Mr.Chinmoy jana
Designation: professor
Organization: NITTTR,Kolkatha,west Bengal
Phone number: 9642427202
Mail id:chinmoy.chinni@gmail.com

Objectives of the Programme :

i. Find the impact of NBA Accreditation
ii. Prepare Vision,Misssion,Program Educational Objectives
iii. Prepare Course Outcomes & Program Outcomes
iv. Learn how to prepare SAR
v. Practices Criterion I to X

Topics Covered :

i. Find the impact of NBA Accreditation
ii. Prepare Vision,Misssion,Program Educational Objectives
iii. Prepare Course Outcomes & Program Outcomes
iv. Learn how to prepare SAR
v. Practices Criterion I to X

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Outcome of the Programme : after attending this program tha participants would be able to find the impact of NBA Accreditation, prepare vision, Mission,PEO's,CO's and PO's.And also learn how to prepare SAR.

No. of Participants : 50

Coordinator
(Dr.K.Lakshminadh)

HoD

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18-19

A Five -Day Faculty Development Program on Data Science & Big Data Analytics

BROCHURE

A 5-Day Faculty Development Programme (FDP) on "Data Science & Big Data Analytics"

23rd - 27th April, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Registration Fee: Rs: 500/-

Accommodation required. Yes/No

Participants are requested to register online:

http://www.ictacademy.in/Pages/Upfdp.aspx

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date:

Place:

Note: Send Registration forms to csehod@nrtec.ac.in

Any queries contact: +91-8501463728

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada. Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech. level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur District and is on the railway line of Guntur to Guntakal. Narasaraopet is 30km from Guntur and 25km to Chilakaluripet (NH5) by road. Narasaraopet is 120km away from Vijayawada Airport. Kotappakonda is the site of famous religious pilgrim place of Lord Siva which is located 5km from Narasaraopeta Engineering College.



A 5-Day Faculty Development Programme (FDP) on "Data Science & Big Data Analytics"

23rd - 27th April, 2019

Organized by

Department of Computer Science & Engineering

NEC

In Association with ICT Academy

ICT ACADEMY

A DECADE OF AUGMENTING NATION BUILDING 10 YEARS

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited by NAAC with A Grade, Accredited NBA,

Phone : 08647-239912
FAX : 08647-239902
E-Mail : csehod@nrtec.ac.in

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department is the zonal partner of Artificial Intelligence Research Project launched by BENNETT University. The College has tie-up with ICT Academy to meet the skill requirements of the industry and to generate more employability. 49 students completed Full Stack web development course using Python and 37 students completed Udacity Android App development course. A group of students developed Hill Festival Android App for "Kondapanduga" celebrated at kotappakonda in Guntur district of AP, which was inaugurated by Honorable Speaker of AP.

ABOUT ICT ACADEMY

ICT Academy is an initiative of the Government of India in collaboration with the state Governments and Industries. ICT academy bridges the industry-academia skill gap, and to develop the next generation teachers & students. ICT Academy is a not-for-profit society, the first of its kind pioneer venture under the Public-Private-Partnership (PPP) model that endeavours to train the higher education teachers and students thereby exercises on developing the next generation teachers and industry ready students.

OBJECTIVE OF FDP

This course provides practical, foundation level training that enables immediate and effective participation in Big Data and other Analytics projects. It includes an introduction to Big Data and the Data Analytics Lifecycle to address business challenges that leverage Big Data.

The course provides grounding in basic and advanced analytic methods and an introduction to Big Data Analytics technology and tools, including MapReduce and Hadoop. The extensive lab sessions provide many opportunities for students to apply these methods and tools to real-world business challenges as a practicing Data Scientist. The course takes an "open" or "technology-neutral" approach, and includes a final lab in which students address a Big Data Analytics challenge by applying the concepts taught in the course in the context of the Data Analytics Lifecycle.

COURSE CONTENTS

- Introduction and Course Agenda
- Introduction to Big Data Analytics
- Data Analytics Lifecycle
- Review of Basic Data Analytic Methods Using R
- Advanced Analytics – Theory And Methods
- Advanced Analytics - Technologies and Tools
- The Endgame, or Putting it All Together

RESOURCE PERSON:

Mr. A. Ravi Chandaran
Senior Technical Trainer, Chennai.

PROGRAMME COMMITTEE

Chief Patron:

Sri M.S. Chakravarthi
B.Tech., MS (US), e-MBA(ISB-Hyd)
Vice - Chairman, NEC Group.

Patrons:

Sri M.V. Koteswara Rao B.Sc
Chairman, NEC Group.

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Secretary, NEC Group.

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Dr. M. Sreenivasa Kumar
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Principal.

Convener:

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE

Co-Conveners:

Mr. O.Gandhi Asst.Prof
Mr.Sk.Shabbir Hussain Asst.Prof

ORGANIZING COMMITTEE

Dr. B.Jhansi Vazram Professor
Dr. S.V. N. Sreenivasu Professor
Dr. K. Lakshmi Nadh Assoc. Prof
Dr. S. Siva Nageswararao Assoc. Prof
Mrs. G. L. N. Jayaprada Assoc. Prof
Mr. K. Nitalaksheswara Rao Assoc. Prof
Mrs. M. Sireesha Asst. Prof
Mr. Syam Kumar Asst. Prof
Mr. K. Hazarathaiah Asst. Prof
Mr. K. Suresh Babu Asst. Prof
Mr. K. Gnanendra Asst. Prof
Mr. G. E.Sastry Asst. Prof
Mrs. Sd. Rizwana Asst. Prof
Mr. G. Raphi Asst. Prof
Mr. Sk. Karimulla Asst. Prof
Mr. N. Kiran Babu Asst. Prof

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PROGRAM REPORT

NARASARAOPETA ENGINEERING COLLEGE
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Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 27-04-2019

Programme Report

Name of the Programme : A Five -Day Faculty Development Program on Data Science & Big Data Analytics

Dates : 23-04-2019 to 27-04-2019

Details of the Resource Person(s) :

Name: Mr.A.Ravi Chandaran,
Dessignation: Sr.Technical Trainer,Chennai.
Organization: TCS
Phone number: 9177021467
Mail id:ravichandu12@gmail.com

Objectives of the Programme : The main Objective of this FDP is Devoted to fundamental theory, Recent developments and research outcomes addressing the related theoretical & practical aspects of Data science & bid data analytics.

Topics Covered :

i. Introduction & course Agenda
ii. Introduction to Big Data Analytics
iii. Data Analytics Life Cycle.
iv. Review of Basic Data Analytics Methods using R.
v. Advanced Analytics-Theory and Method
vi. Advanced Analytics- Technology and Tools.
vii. The End Game,or putting it All together

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Outcome of the Programme : The course provides grounding in basic and advanced analytic methods and introduction to big data analytics technology and tools, including map reduce and Hadoop.

No. of Participants : 50

Coordinator

(Mr.O.Gandhi)

HoD

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NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

A One Day Workshop on Scilab

Brochure

5. Course Fee

Every participant has to pay Rs. **100** as the course fee to IIT Bombay at the time of online registration. On the day of the workshop, i.e., **on 4 May 2019**, they have to pay Rs. **400** to the Remote Centre that they would be attending, to defray the cost of organising the workshop, lunch, and coffee/tea. Please note that the registration fee once paid is neither refundable nor adjustable under any circumstances.

6. Who should attend?

As this workshop is not subject-specific, teaching faculty from all domains (engineering, sciences), and polytechnic colleges, and PGT of schools, can attend. Teachers registered in a Masters or a PhD programme, during their employment as a teacher, can also participate.

7. Criteria for issuing Certificates

E-certificate will be provided to the participants after successful completion of the workshop and filling up the feedback form.

8. Duration and Venue

The workshop will be conducted on Saturday, **4 May 2019 from 9.30 AM to 6.00 PM** at Remote Centres of IIT Bombay. This workshop will be conducted through a blended mode, using both live video conferencing facility (A-VIEW) and hands-on sessions using Spoken Tutorials. A detailed workshop schedule will be available soon.

9. How to apply?

Enrollment will be strictly online, and no other mode of application will be entertained. **The last date of registration is 30 April 2019, 12.30 pm.** The URL for registration is: http://www.it.iitb.ac.in/nmeict/announcements.html

Register on the Spoken Tutorial Website:

1. Before the workshop, participants should register on https://spoken-tutorial.org/
2. Fill up the registration form and submit.
3. An email will be received.
4. The account should be activated by clicking the link in the email.
5. The Username and Password should be noted. This is an extremely important step.
6. One needs the above information to post questions on the forum, which will be explained at the time of the workshop.

Note

- Neither IIT Bombay nor the Remote Centre will bear the travel expense of the participating representatives. There shall also be no accommodation provided to the participants.
- All participants are required to bring **ear phones**, as they will have to listen to video tutorials. Without ear phones, the workshop will not at all be effective.
- Computers to practise Spoken Tutorials and to do Scilab programming will be available at the Remote Centres. But if they wish, participants can bring their own laptops with Scilab installed.

10. Prerequisite for the Scilab Workshop

You must see the four short videos given by Prof. Kannan Moudgalya about Scilab and its benefits.

Click **here** to watch on Youtube.
Click **here** to download the videos. It is mandatory to see all the given videos before the workshop.

11. Address for communication

Dr. Kalpana Kannan
Project Coordinator, ESOS Project
Department of CSE, Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076
Tel.: +91-22-2576 4989
Email: eoutreach@it.iitb.ac.in

IQAC

One day Workshop

Under
'Pandit Madan Mohan Malaviya
National Mission on Teachers and Teaching
(PMMMNMTT)',
MHRD, Govt. of India

on

Scilab

4 May 2019

Conducted by the
Teaching Learning Centre (ICT),
Supported by FOSSEE & Spoken Tutorials
at

IIT Bombay

Course Coordinator

Prof. Kannan Moudgalya
Department of Chemical Engineering
Indian Institute of Technology Bombay
Powai, Mumbai 400076

Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.) A.P.

1. Introduction

IIT Bombay has conducted many large-scale teacher training workshops under the Train 10,000 Teachers (T10KT) programme, sponsored by the National Mission on Education through ICT (NMEICT), MHRD, Govt. of India, and trained over 2,00,000 teachers.

Another successful technology developed at IIT Bombay is Spoken Tutorial, using which about 50 lakh students have been trained on various ICT topics. The effectiveness of this method can be seen from the testimonials available here: https://spoken-tutorial.org/testimonials/media. The Spoken Tutorial project is also implemented successfully at IIT Bombay, with funding from NMEICT, MHRD.

It is now proposed to offer the highly effective Spoken Tutorial based ICT training to a large number of teachers, across the country, through the T10KT methodology, with **Scilab** training being taken up next.

Scilab is a Free/Libre and Open Source Software (FLOSS), created mainly for numerical computations. It uses the state of the art numerical libraries, such as LINPACK, EISPACK and LAPACK, and hence, its results are highly reliable. Scilab implements the user friendly language, similar to the one used in the popular software Matlab. But unlike Matlab, Scilab can be freely downloaded, freely copied, freely modified and also freely distributed. Naturally, Scilab can be used absolutely free of cost, unlike Matlab, which can be extremely expensive, especially to the industry. Scilab comes with a graphical programming interface Xcos, which is similar to Simulink. A good knowledge of Scilab will help improve the employment potential of your students.

The FOSSEE (Free/Libre and Open Source Software for Education) project at IIT Bombay ((https://fossee.in) has been promoting Scilab, and other FLOSS software, such as Python, OpenFOAM, eSim, Osdag, OpenModelica, DWSIM & R, and Open Source hardware, such as Arduino and OpenPLC. FOSSEE is also funded by NMEICT, MHRD, Government of India has mandated the use of open source software.

The Scilab workshop is organised by the **T**eaching **L**earning **C**entre (TLC) at IIT Bombay, funded by the *Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)*, MHRD, Govt. of India. As Spoken Tutorial method offers hands on practice, with 100% active learning, those who undergo this training will be able to start using Scilab immediately after the workshop. They will also be able to conduct Scilab workshops for their students, using Spoken Tutorials, on their own, without requiring any help from anyone else.

The one day Scilab workshop will be conducted on **Saturday, 4 May 2019,** through Remote Centres of IIT Bombay. The medium of instruction for this workshop is English. Language dubbed Spoken Tutorials in Hindi and a few other languages will also be available.

2. Methodology of the Workshop

It will be a one day workshop, on 4 May 2019. All participants will have to go to their chosen Remote Centre. They will learn Scilab through Spoken Tutorials, with help from Coordinators, already trained for this purpose at IIT Bombay. As the learning will happen only through carefully designed Spoken Tutorials designed and developed at IIT Bombay, the quality of learning will be very high. All the participants, from all the Remote Centres, will be able to interact with the Scilab team at IIT Bombay, ask them questions, etc., through the video conferencing software A-VIEW. There will be about 4 hours available for Scilab training and 2 hours for interactions.

3. Outline of the workshop

The workshop will have two parts:
(a) About 3.5 hours will be used in Learning Scilab from Spoken Tutorials.
(b) About 30 minutes will be used to learn about the excellent Scilab content, developed by FOSSEE.

3(a). Learning Scilab from Spoken Tutorials

Depending on the level of the user, one can learn any/all of the topics mentioned below. If one cannot complete all the topics, one can complete them later on, through self-learning, as all required Spoken Tutorials are freely available.

Basic level: Getting started with Scilab, Vector Operations, Matrix Operations, Conditional branching, Iterations, Scripts and Functions, Plotting 2D graphs, Introduction to Xcos.
Intermediate level: File handling, User defined input and output, Integration, Solving non-linear equations, Linear equations - Gaussian methods, Linear equations - Iterative Methods, Interpolation, ODE Euler methods, and ODE Applications.
Advanced level: Optimization Using Karmarkar Function, Digital Signal Processing, Control systems, Discrete systems, Calling User Defined Functions in XCOS, and Simulating a PID controller using XCOS.

3(b). Useful Scilab content developed by FOSSEE

A major problem with open source software is the lack of documentation. A solution to this problem is the Textbook Companion (TBC). A Scilab TBC is a collection of Scilab code for all solved examples of standard textbooks. The FOSSEE team has coordinated the creation of Scilab TBC for 600 books in science and engineering, all branches, with Scilab code for about 75,000 examples. Such a large collection is not available for any other software, including commercial ones. Students and faculty from various parts of the country have created this collection. FOSSEE provides a handsome honorarium to any one who creates TBC.

One may use the Scilab TBC (1) to understand the steps of examples (2) to do what if studies by changing parameters (3) to locate the syntax for a command and (4) to locate all examples that use a particular command, and so on. Scilab TBC are available at https://scilab.in/Completed_Books, absolutely free of cost. Scilab TBC is also hosted on the cloud.

The FOSSEE Team also helps colleges migrate their labs to Scilab. This allows colleges that cannot afford Matlab to run their labs with Scilab. Codes of migrated labs are available at https://scilab.in/lab_migration/completed_labs.

The FOSSEE Team has also developed a few useful toolboxes, available at https://scilab.in/fossee-scilab-toolbox. We invite talented people to join us in improving these toolboxes and to develop new toolboxes. We have also created a cloud version of Xcos and 130 Xcos examples that can run on this cloud. Depending on the time available, one can try out all of the above.

4. Teaching faculty

Prof. Kannan Moudgalya, Principal Investigator, TLC (ICT), Spoken Tutorial and FOSSEE projects
FOSSEE Team members, IIT Bombay

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VIGNAN'S ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 05.05.2019

PROGRAMME REPORT

Name of the Programme : Workshop on "**Scilab by ICT, in Association with IIT Bombay**

Date : 4th, May-2019

Details of the Resource Persons :

1. Prof. Kannan Moudgalya, IIT Bombay

Objective of the programme:

- Provides an open ground to learn, understand, participate, and contribute to the Scilab community.
- One of the goals of the conference is to combine education, engineering, and science with computing through the medium of Scilab.
- We aim to make Scilab comparable to any equivalent commercial software

Topic Covered:

- Getting started with Scilab,
- Vector Operations,
- Matrix Operations,
- Conditional branching,
- Iterations,
- Scripts and Functions,
- Plotting 2D graphs,

Outcome of the programme:

- The participants will be able to understand basic operation on signals
- The participants will be able to write program on Conditional branching, Iterations, Scripts and Functions, plotting 2D Graphs

No. of participants: 81

Coordinator

IQAC

Principal

HOD

NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

A Five -Day Faculty Development Program on Deep Learning and Its Applications

BROCHURE

A Short Term Course on

"Deep Learning & Application"

On

27th May, 2019 to 31st May, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
csehod@nrtec.ac.in.
Any queries contact: +91-9849866902

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches CSE, IT, ECE, ME, EEE and CIVIL. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps. 50 Cloud Apps and 100 Windows Apps are uploaded every year.

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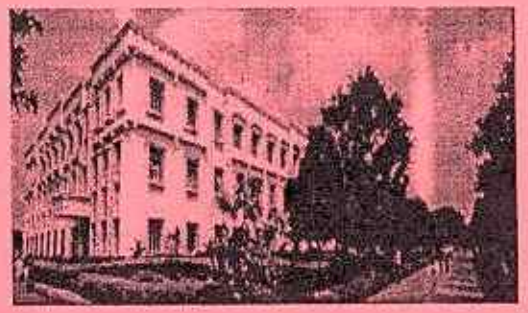

A Short Term Course on

"Deep Learning & Application"

On

27th May, 2019 to 31st May, 2019

In Association
With
MNIT-JAIPUR

Organized
By
Department of
Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited thrice by NBA,
ISO 9001: 2008 Certified.
Three Recognized R&D centers by JNTUK

Phone : 08647-239912
FAX : 08647-239902
E-Mail : csehod@nrtec.ac.in

Principal
NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The department is the zonal partner of Artificial Intelligence Research Project launched by Bennett University. The College has tie-up with ICT Academy to meet the skill requirements of the industry and to generate more employability. College has APCM's Skill Development Center.

OBJECTIVE OF WORKSHOP

To expose the Faculty/ Research Scholars/ Students in emerging technologies This workshop provides practical foundation level training at enables immediate and effective participation in Deep Learning and Applications is a growing trend in Software Industry, that is used when searching the web, placing ads, credit scoring, stock trading and for many other applications To learn the hands on experience on Artificial Neural Networks (ANNs) Regularization, Hyper parameter Tuning and Auto encoders, Convolutional Networks, Sequence Modeling, Generative Adversarial Networks, Object Detection Algorithms that allows software applications to become more accurate in predicting outcomes without being explicitly programmed. The basic premise of machine learning is to build algorithms that can receive input data and use statistical analysis to predict an output value within an acceptable range.

Resource Persons: (i) Dr. Anupama Ray, IBM (ii) Dr. Ritu, Intel, (iii) Prof. R. Venkatesh Babu, IISc Banglore (iv) Dr. Biplab Banerjee IITB (v) Prof R. Balasubramanian, IIITR (vi) Prof. Aparajita Ojha, IIITDMJ (vii) Dr. Partha Pratim

IQAC

FDP Content Modules of Deep Learning & Applications

S.No	Module Name	Topic
1	**Artificial Neural Networks (ANNs)**	Introduction to Deep Learning and Motivation. Brief introduction of Artificial Neural Networks (ANN), Perceptrons, Multilayeperceptron (MLP), Back propagation training for MLP, Stochastic gradient descent. Applications to some practical classification problems. Hands on: Demonstration and implementation of Shallow and Deep architecture, introduction to Python, Tensor flow and Keras.
2	**Regularization, Hyperparameter Tuning and Autoencoders**	Deep Feed forward Networks - Regularization - drop out, Minibatch gradient descent, RMSProp and Adam optimization. Autoencoders and Their Types Hands on: Hyper parameter tuning and regularization practice, Minibatch gradient descent, Autoencoders
3	**Convolutional Networks**	The Convolution Operation, Pooling, Basic architecture of a Convolution Neural Network, Variants of the Basic Convolution Model, Evolution of Convolution NN Architectures - AlexNet, ResNet and other architectures. Hands on: Convolution neural network application using Tensorflow and Keras, Autoencoders using CNN, Building an application for classification and feature extraction.
4	**Sequence Modeling**	Recurrent and Recursive Nets Unfolding Computational Graphs, Recurrent Neural Networks, The Long Short-Term Memory and Other Gated RNNs. Hands on: Language modeling and machine translation, Chatbots.
5	**Generative Adversarial Networks, Object Detection Algorithms**	GAN and their variants- R-CNN , YOLO and SSD , Hands on– Object detection, Realistic Image Generation and face recognition

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M.Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinator

Dr. S.V.N Sreenivasu,
Professor in CSE

Co-Coordinators

Dr. B. Jhansi Vazram,
Professor.

Dr. S. Siva Nageswara Rao,
Associate Professor.

Dr. K.Lakshminadh
Associate Professor

ORGANIZING COMMITTEE

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Mr Sk.K.M.Basha

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522601.

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 05-01-2020

Programme Report

Name of the Programme : A 5-day workshop on Deep Learning and Application

Dates : 09-12-2019 to 13-12-2019

Details of the Resource Person(s) :

1. Name : Chakravathy Bhagvati ,Madan babbeeru, Aparajitha Ojha
2. Designation : Professor, Professor, Professor
3. Organization : University of Hyderabad, Rakuten India Bengaluru, IIITDMG
4. Mail-id : chakravarty@gmail.com,madanbabbeeru@gmail.com, aparajithaojha@gmail.com

Objective of the Programme : Deep learning methods are now prevalent in the area of machine learning, and are now used invariably in many research areas.

Topics Covered : Introduction to Machine Learning and Artificial Neural Networks, Convolutional Neaural networks, Auto encoders and Generative serial networks, Recurrent Neural Networks, CNN Application to Classification and Detection Problems

Outcome of the Programme : After completion of this course the participants are able to learn supervised and unsupervised learning, artificial neural networks, CNN and their applications.

.No. of Participants : 38

Coordinator

(Dr.S.V.N Srinivasu)

HoD

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

2019-2020

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

A Five-Day FDP on IoT Application Development using Advanced Processors

Brochure

5-Day FDP ON IoT APPLICATION DEVELOPMENT USING ADVANCED PROCESSORS

3rd June, 2019 to 8th June, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Registration Fee: INR 500.

DD. No: _____ Date: _____

Bank: _____ Branch: _____

DD in favour of The Principal, Narasaraopeta Engineering College, payable at Narasaraopet.

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms. _____ is working in our institution / Organization and is here by sponsored to participate in FDP on **"IoT Application Development Using Advanced Processors"** at Narasaraopeta Engineering College, Narasaraopet.

Place :
Date :

Signature of the
Head of the Institution (with Seal)

QAC

Topics to be covered

- ✓ Introduction to IoT
- ✓ Raspberry Pi, the IoT Platform
- ✓ Python Programming Language
- ✓ Getting Started with IoT Platform
- ✓ Basic Electronics with IoT Platform
- ✓ ORL IoT Cloud
- ✓ ORL Sensor Cloud
- ✓ ORL Device Cloud
- ✓ Device Communication in Intranet
- ✓ Python Web Framework
- ✓ IoT Gateway
- ✓ Personal Area Network
- ✓ LPC2148, ARM7 Development Board
- ✓ Basic Electronics
- ✓ Serial Communication
- ✓ Analog to Digital
- ✓ MSP430, TI Launch pad
- ✓ Basic Electronics
- ✓ RFID Technology
- ✓ GSM & GPS Technology

Last Date for Registration: 28th May, 2019

Date of Confirmation: 30th May, 2019

Who Shall Participate:

The FDP is aimed at the multifaceted audience from industry, full time research scholars, PG students and academicians from various Engineering colleges of ECE, EEE, CSE and ME departments.

Note:

As the seats are limited, the selection is based on first come first serve basis.

5-Day FDP ON
IoT APPLICATION
DEVELOPMENT USING
ADVANCED PROCESSORS
3rd June, 2019 to 8th June, 2019

Organized by

Department of Electronics & Communication Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA.

Phone : 08647-239914
FAX : 08647-239902
E-Mail : ecehod@nrtec.ac.in

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601,
Guntur (Dist.), A.P.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada. Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes. Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

IQAC

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B. Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, M.Tech.(Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited thrice by AICTE-NBA. The department is recognized as Research Center by JNTUK, Kakinada. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

ABOUT THE FDP

FDP on **"IoT Application Development Using Advanced Processors"** is on today's most buzzing word "Internet of Things (IoT)". The Internet of Things is expanding at a rapid rate and becoming increasingly important for professionals to understand what it is, how it works. The explosive growth of the "Internet of Things" is changing our world and the rapid drop in price for typical IoT components is allowing people to innovate new designs and products at home. The course focuses on Rasberry Pi 3 and Python scripting language with applications of IoT. IoT is the idea of making devices (namely sensors, actuators and other objects) smarter by linking them to the Internet. This FDP serves as a platform to train and educate the research scholars, faculty and people from industry to interact on cutting-edge technologies in this emerging area.

RESOURCE PERSONS

MADBLOCKS MENTORS TEAM, Hyderabad

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I).
Principal.

Convener
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Professor & Head, Dept. of ECE

Co-Conveners
Dr. K. Sreenivasa Ravi, Professor
Dr. A.V. Nageswararao, Associate Professor
Dr. K. Raju, Associate Professor

Organizing Committee

Prof. J. V. K Ratnam	Mrs. B. Suneetha
Prof. P .S.S.Chakravarthi	Mr. G. Sai Ganesh
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Mr. Sk. Zuber Basha	Mr. V. Rama Krishna Reddy
Mr. A. Srinu	Mr. Ch. Suresh Babu
Mr. N. Srinivasa Rao	Mr. E. Narendra
Mr. M. Srinivasa Rao	Mr. Ch. Karthik
Mrs. Ch. Krishna Priya	Ms. K. Lakshmi Prasanna



NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

PROGRAMME REPORT

Name of the Programme : A Five Day FDP On "IOT Application Development using advanced Processors"

Dates : 3-6-2019 to 8-6-2019

Details of Resource Person: Mr.P.Madhu
Mad Blocks Tech.Pvt.Ltd,
Hyderabad

Objective of the Programme:

1. Understand the rudiments of IoT
2. Learn the features of Raspberry Pi board
3. Configure Wireless Protocols WiFi, Zigbee,
4. Bluetooth, Lora WAN
5. Familiarize coding structures in Python Programming
6. Interface different sensors with Raspberry Pi
7. Connect Raspberry Pi to a remote access client
8. Configure Raspberry Pi for Web Service

Topic Covered:

1. Introduction to IOT
2. Raspberry pi, the IOT platform
3. ORL sensor cloud and device cloud
4. LPC2148,ARM7 development board
5. GSM&GPS technology
6. RFID technology.

Outcome of the Programme:

1. The participants will be able to develop IoT based applications using Raspberry Pi.
2. Ethernet interface using ARM.
3. Interfacing Digital Devices and sensing Digital Sensors

No.of Participants: 60

Coordinator

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

HOD

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

A Five-day FDP On Introduction to Programming: A Pedagogical Approach

BROCHURE

Course Content:

- Basic Concepts, Familiarize with lab and programming environment,
- Branching and loops, Designing Programming questions for branching and loops, Designing program questions for Arrays, Testing and Debugging.

Resource Person/Organization:

Dr. Dinesh Gopalani,
Professor, MNIT, Jaipur,
dgopalani.cse@mnit.ac.in

➔ **IMPORTANT DATES:**

- **last date for Registration: 14/06/2019**
- **Intimation to Participants: 15/06/2019**

Any Queries Contact:

Dr. S. V. N. Srinivasu,
Professor **of CSE Dept.**
Mobile:9849866902
Email:dr.svnsrinivasu@gmail.com

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 5 Star Rating

AICTE ATAL NEC

A Five -Day Faculty Development Programme

On

Introduction to Programming: A Pedagogical Approach

17th – 22nd June, 2019

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 601.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

Objective of on Introduction to Programming:A Pedagogical Approach:

To make the faculty more comfort with programming concepts. Faculty can able to new programming languages.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://fdponpedagogical.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 14/06/2019**
- **Intimation to Participants: 15/06/2019**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US), e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK), MISTE, FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr. S. V. N. Srinivasu,
Professor of CSE Dept..

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Ms. S.Chaitanya Bharathi	

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 23-06-2019

Programme Report

Name of the Programme : A 5-day FDP on Introduction to Programming: A Pedagogical Approach

Dates : 17-06-2019 to 21-06-2019

Details of the Resource Person(s) :

1. Name : Dr. Dinesh Gopalani
2. Designation : Professor
3. Organization : MNIT, Jaipur
4. Phone No. : 9549654392
5. Mail-id : dgopalani.cse@mnit.ac.in

Objective of the Programme : To make the faculty more comfort with programming concepts.

Topics Covered : Basic Concepts, Familiarize with lab and programming environment, Branching and loops, Designing Programming questions for branching and loops, Designing program questions for Arrays, Testing and Debugging.

Outcome of the Programme : Participants can able to write programs using the learned concepts.

.No. of Participants : 30

Coordinator

(Dr.S.V.N Srinivasu)

HoD

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A One-day workshop on Python Programming

BROCHURE

Bash and Scilab programming languages. Yaksh is designed to be easily deployable, and can scale-up to accommodate 500+ users simultaneously. Faculty members can use Yaksh to evaluate their students

4. Teaching faculty

- **Prof. Prabhu Ramchandran,** Co-Principal Investigator, FOSSEE project
- **Python Team members,** FOSSEE, IIT Bombay

5. Course Fee

Every participant has to pay Rs. **100** as the course fee to IIT Bombay at the time of online registration. On the day of the workshop, i.e., **on 22 June 2019**, they have to pay Rs. **400** to the Remote Centre that they would be attending. to defray the cost of organising the workshop, lunch, and coffee/tea. Please note that the registration fee once paid is neither refundable nor adjustable under any circumstances.

6. Who should attend?

As this workshop is not subject-specific, teaching faculty from all domains (engineering, sciences), and polytechnic colleges, and PGT of schools, can attend. Teachers registered in a Masters or a PhD programme, during their employment as a teacher, can also participate.

7. Criteria for issuing Certificates

E-certificate will be provided to the participants after successful completion of the workshop and filling up the feedback form.

8. Duration and Venue

The workshop will be conducted on Saturday, **22 June 2019 from 9.30 AM to 6.00 PM** at Remote Centres of IIT Bombay. This workshop will be conducted through a blended mode, using both live video conferencing facility (A-VIEW) and hands-on sessions using Spoken Tutorials. A detailed workshop schedule will be available soon.

9. How to apply?

Enrollment will be strictly online, and no other mode of application will be entertained. **The last date of registration is 20 June 2019, 12.30 pm**. The URL for registration is: http://www.it.iitb.ac.in/nmeict/announcements.html

Register on the Spoken Tutorial Website:

1. Before the workshop, participants should register on https://spoken-tutorial.org/
2. Fill up the registration form and submit.
3. An email will be received.
4. The account should be activated by clicking the link in the email.
5. The Username and Password should be noted. This is an extremely important step.
6. One needs the above information to post questions on the forum, which will be explained at the time of the workshop.

Note

- Neither IIT Bombay nor the Remote Centre will bear the travel expense of the participating representatives. There shall also be no accommodation provided to the participants.
- All participants are required to bring **ear phones**, as they will have to listen to video tutorials. Without ear phones, the workshop will not at all be effective.
- Computers to practise Spoken Tutorials and to do Python programming will be available at the Remote Centres. But if they wish, participants can bring their own laptops with Python installed.

10. Prerequisite for the Python Workshop

The attending participants must see the **Introduction to Python video** before the workshop.

10. Address for communication

Dr. Kalpana Kannan
Project Coordinator, ESOS Project
Department of CSE, Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076
Tel.: +91-22-2576 4989
Email: eoutreach@it.iitb.ac.in

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

One day Workshop

Under
'Pandit Madan Mohan Malaviya
National Mission on Teachers and Teaching
(PMMMNMTT)',
MHRD, Govt. of India

on

Python

22 June 2019

Conducted by the
Teaching Learning Centre (ICT),
Supported by FOSSEE & Spoken Tutorials
at

IIT Bombay

Course Instructor:

Prof. Prabhu Ramchandran
Co-Principal Investigator, FOSSEE project

Project Coordinator

Prof. Kannan Moudgalya
Department of Chemical Engineering
Indian Institute of Technology Bombay
Powai, Mumbai 400076

1. Introduction

IIT Bombay has conducted many large-scale teacher training workshops under the Train 10,000 Teachers (T10KT) programme, sponsored by the National Mission on Education through ICT (NMEICT), MHRD, Govt. of India, and trained over 2,00,000 teachers.

Another successful technology developed at IIT Bombay is Spoken Tutorial, using which about 50 lakh students have been trained on various ICT topics. The effectiveness of this method can be seen from the testimonials available here: https://spoken-tutorial.org/testimonials/media/?foss=70 and this TEDx talk. The Spoken Tutorial project is also implemented successfully at IIT Bombay, with funding from NMEICT, MHRD.

It is now proposed to offer the highly effective Spoken Tutorial based ICT training to a large number of teachers, across the country, through the T10KT methodology, with **Python** training being taken up next.

Python is a very versatile and easy-to-learn programming language with an extensive library of open tools allowing users to solve a variety of problems. Python has a rich ecosystem of libraries and tools for scientific computing and data science. There are libraries that provide a powerful interactive computing environment both on the console as well as on a web-browser. Python can interface relatively easily with other well-established languages like FORTRAN/C and C++. In addition to this Python also has libraries to build user interfaces, build web applications, interface to hardware, and a whole host of other domains. This makes Python an excellent language to learn opening up a world of possibilities to users who desire to use their computers more effectively.

The FOSSEE (Free/Libre and Open Source Software for Education) project at IIT Bombay ((https://fossee.in) has been promoting Python, and other FLOSS software, such as Scilab, OpenFOAM, eSim, Osdag, OpenModelica, DWSIM & R, and Open Source hardware, such as Arduino and OpenPLC. FOSSEE is also funded by NMEICT, MHRD. Government of India has mandated the use of open source software.

The Python workshop is organised by the Teaching Learning Centre (TLC) at IIT Bombay, funded by the *Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)*, MHRD, Govt. of India. As Spoken Tutorial method offers hands-on practice, with 100% active learning, those who undergo this training will be able to start using Python immediately after the workshop. They will also be able to conduct Python workshops for their students, using Spoken Tutorials, on their own, without requiring any help from anyone else.

The one day Python workshop will be conducted on **Saturday, 22 June 2019,** through select Remote Centres of IIT Bombay. This will be a blended training programme that uses AVIEW for live interactions and Spoken Tutorials to learn to use Python. The medium of instruction for this workshop is English. Language dubbed Spoken Tutorials in Hindi and a few other languages will also be available.

2. Methodology of the Large-scale Workshop

It will be a **one day workshop, on 22 June 2019.** All participants will have to go to their chosen Remote Centre. They will learn Python through Spoken Tutorials, with help from Coordinators, already trained for this purpose by IIT Bombay. As the learning will happen only through carefully designed Spoken Tutorials, designed and developed at IIT Bombay, the quality of learning will be very high. All the participants, from all the Remote Centres, will be able to interact with the Python team at IIT Bombay, ask them questions, etc., through the video conferencing software A-VIEW. There will be about 4 hours available for Python training and 2 hours for interactions.

3. Outline of the workshop

The workshop will have two parts:
(a) About 3.5 hours will be used in Learning Python from Spoken Tutorials.
(b) About 30 minutes will be used to learn about the excellent Python content, developed by FOSSEE.

3 (a) Learning Python from Spoken Tutorials

Depending on the level of the user, one can learn any/all of the topics mentioned below. If one cannot complete all the topics, one can complete them later on, through self-learning, as all required Spoken Tutorials are freely available.

Getting started: Getting started with IPython, Using plot commands interactively, Embellishing a plot, Saving plots, Multiple plots, Subplots, Additional features of IPython, Loading data from files, Plotting data, Other types of plots, Plotting charts,

Basic Level: Getting started with lists, Getting started with for, Getting started with strings, Getting started with files, Parsing data, Statistics, Getting started with arrays, Accessing parts of arrays, Image manipulation using arrays, Basic matrix operations, Advanced matrix operations, Least square fit, Basic datatypes and operators, Sequence datatypes, Input-Output, Conditional statements, Loops, Manipulating lists, Manipulating strings, Getting started with tuples, Dictionaries, Sets, Getting started with functions.

Intermediate Level: Advanced Features of Functions, Using Python Modules, Writing Python Scripts, Testing and Debugging, Error and Exception Handling.

3 (b) Useful Python content developed by FOSSEE

A significant issue with the acceptance of open source software on a large scale by academia is due to the lack of documentation. We had proposed and implemented a novel/unique approach to solve this problem through the Textbook Companion (TBC). The Python TBC is a repository of solved examples from standard Engineering and Science textbooks coded using Python. More than 500 standard engineering textbooks now have TBCs available. The solved examples are available in the form of Jupyter notebooks. There are over 4000 such notebooks available. These notebooks can be explored online or downloaded for free. Students and faculty from various parts of the country have created this collection.

One may use the Python TBC (1) to understand the steps of examples (2) to do what if studies by changing parameters. Python TBC are available at

https://tbc-python.fossee.in/completed-books/, absolutely free of cost. Python TBC is also hosted on the cloud.

Yaksh is also developed by FOSSEE, it is a free and open-source online evaluation software. It allows teachers to create full blown courses with video and/or markdown text-based lessons but with *Problem-based learning* at its core, Yaksh focuses on letting teachers create real-time evaluated practice exercises and quizzes. With a large array of question types like Multiple choice question, Fill-in-the-blanks, Arrange options in correct order, Assignment uploads and programming questions available, Yaksh supports Python, C, C++, Java,

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 23-06-2019

Programme Report

Name of the Programme : A one-day workshop on Python Programming

Date : 22-06-2019

Details of the Resource Person(s) :

1. Name : Prof. Prabhu Ram Chandran
2. Designation : Co-Principal Investigator, FOSSEE Project
3. Organization : IIT Bombay
4. Mail-id : prabhuramchandran@gmail.com

Objective of the Programme : Python is popular so it's widely used. Python is used by a number of tech giants like Google, Instagram, Pinterest, Yahoo!, Disney, IBM, Nokia, and more. So to make faculty aware about Python Programming in various aspects like Web Development, Finance, Machine Learning, Data Science etc.

Topics Covered : Introduction to Python Programming and interaction with Remote Centers, Hands-on Practice with Python Programming.

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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Outcome of the Programme : After completion of this programme faculty can acquire how to solve develop various applications like web development, finance, machine learning, data science.

No. of Participants : 30

Coordinator

(K.Gnanendra)

HoD

IQAC

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

AICTE sponsored Two-Week FDP on Emerging Trends in Machine Learning for Biomedical Applications

Brochure

TWO WEEKS FDP ON

EMERGING TRENDS IN

MACHINE LEARNING FOR

BIOMEDICAL APPLICATIONS

29th July - 10th August, 2019

Sponsored by AICTE

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Area of Research: _____

Accommodation required: Yes/No

Registration Fee: **Free**.

Signature of the Applicant

Note: The scanned copy of duly filled application form should be send to ecehod@nrtec.ac.in on or before 26-07-2019.

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____
is working in our institution / Organization and is here by sponsored to participate in FDP on "***Emerging Trends in Machine Learning for Biomedical Applications***" at Narasaraopeta Engineering College, Narasaraopet.

Place :
Date :

IQAC

Signature of the Head of the Institution

Topics to be covered:

- ✓ Practical Implementation of data Preprocessing algorithms
- ✓ Feature Extraction & Selection from bio- medical signals
- ✓ Machine Learning and Ensemble techniques
- ✓ Retinal Image Analysis
- ✓ Breast Cancer Diagnosis using mammography
- ✓ Linear Logistic Regression, Bayesian Networks & SVM
- ✓ Introduction to AI & Machine Learning
- ✓ AI for the diagnosis and prognosis of asthma
- ✓ PCOS Symptoms and diagnostic procedures
- ✓ Deep Learning & its applications
- ✓ Case study of Biomechanical applications using Deep Learning
- ✓ 2D wavelets and its implementation in Medical image analysis using WT
- ✓ Pattern Recognition for DNA sequences
- ✓ Machine Learning for Image Synthesis
- ✓ Fetal growth prediction using Machine Learning
- ✓ Early detection of malaria using computer vision and Machine Learning
- ✓ Introduction to Classical & Advanced Optimization techniques
- ✓ Machine Learning in Signal Processing using Python
- ✓ Introduction to 3D Imaging and its Data Formats in Medicine
- ✓ Image Segmentation and 3D Visualization

Impartment Dates:
Last Date for Registration: **26th July, 2019**
Date of Confirmation: **27th July, 2019**

Who Shall Participate:
The FDP is aimed at the multifaceted audience from industry, full time research scholars, PG students and academicians from various Engineering colleges of ECE, EEE, CSE, IT and MCA departments.

Accommodation: Limited Accommodation will be provided for outstation participants on prior request. TA will be paid for outstation participants.
Contact for Accommodation: 9440664462

Note: As the seats are limited, the selection is based on first come first serve basis.

TWO WEEKS FDP ON

EMERGING TRENDS IN

MACHINE LEARNING FOR

BIOMEDICAL APPLICATIONS

29th July - 10th August, 2019

Sponsored by AICTE

Organized by

Department of Electronics & Communication Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA..

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Phone 08647-239914
FAX 08647-239902
E-Mail ecehod@nrtec.ac.in

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2015. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Six courses at B.Tech level in the branches EEE, CSE, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college.

In order to build a vibrant entrepreneurship ecosystem Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B. Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, M.Tech (Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty.

The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited thrice by NBA. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

ABOUT THE FDP

FDP on ***"Emerging Trends in Machine Learning for Biomedical Applications"***, provides an excellent opportunity for faculty and researchers to learn new ideas in the field of biomedical engineering and informatics, ranging from decision support systems for diagnosis to modeling physiologic processes & discovering novel biomedical knowledge for disease treatment using Machine Learning techniques. The aim of FDP is to provide a platform, where researchers and academicians can get hands-on training and share their knowledge with each other and enhance their research skills. Faculty members are able to get deep insight into the details of advanced techniques in ML for bio signals. As a result, the faculty members participated in this program may propose new algorithms in this field.

RESOURCE PERSONS

Dr. Lov Kumar, Assistant Professor, Dept of CSE, BITS Hyd.
Dr. S. Priyanka, Associate Professor, Dept of CSE, SRM-AP
Dr. C. Srilatha, Assistant Professor, Dept of CSE, NIT-AP
Dr. Md Farukh Hashmi, Assistant Professor, Department of ECE,NIT Warangal, Telangana.
Dr. H. Prasanna Kumar, Assistant Professor, Department of EEE, UVCE, Bengaluru.
Dr. U.S.Ragupathy, Associate Professor, Dept of E&I, KEC, Erode
Dr. Usha Rani Nelakuditi, Professor, Department of ECE, VFSTR, Vadlamudi.
Dr. P. Sudhakar, Associate Professor, Dept of CSE, VVIT, Guntur
Mr. T. V. Rao, MD&CEO, TVR Talent Labs
Mr. Anil Upadhyay, CEO, Five Fingers Innovative Solutions, Hyderabad

Faculty from IIT's, NIT's, Premier Institutions and industry experts are invited as resource persons for this FDP.

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I).
Principal.

Coordinator
Dr. A.V. Nageswararao,
Associate Professor, Dept. of ECE

Co-coordinators
Dr. V. Venkata Rao, Professor & Head
Dr. K. Sreenivasa Ravi, Professor
Dr. K. Raju, Associate Professor
Dr. B. Raghavaiah, Associate Professor

Organizing Committee

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Prof. P .S.S.Chakravarthi
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Mr. A. Charles Stud
Mr. V. Naveen Raja
Mr. G. Srinivasa Rao
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Mr. Ch. Karthik
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Program Report

NEC
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 12.08.2019

PROGRAMME REPORT

Name of the Programme : AICTE sponsored Two-Week FDP on **"Emerging Trends Machine Learning for Biomedical Applications"**

Dates : 29-07-2019 to 10-08-2019

Details of the Resource Persons :

1. Dr. Lov Kumar, Assistant Professor, Dept of CSE, BITS Hyd.
2. Dr. Jatindra Kumar Dash, PhD (IIT Kharagpur) School of Computer Science SRM University.
3. Dr. C. Srilatha, Assistant Professor, Dept of CSE, NIT-AP
4. Dr. Md Farukh Hashmi, Assistant Professor, Department of ECE, NIT Warangal, Telangana.
5. Dr. H. Prasanna Kumar,Assistant Professor, Department of EEE, UVCE, Bengaluru.
6. Dr. U.S.Ragupathy, Associate Professor, Dept of E&I, KEC, Erode
7. Dr. Usha Rani Nelakuditi, Professor, Department of ECE, VFSTR, Vadlamudi.
8. Dr. P. Sudhakar, Associate Professor, Dept of CSE, VVIT, Guntur
9. Mr. T. V. Rao, MD&CEO, TVR Talent Labs
10. Mr. Anil Upadhyay, CEO, Five Fingers Innovative Solutions, Hyderabad

Objective of the programme:

This training Programme is specially de- signed for Engineering College Teachers and it mainly deals with various aspects of Biomedical signal Processing. The course aims to achieve the following objectives: To update the knowledge in the emerging and upcoming topics in the subject area.

- provides an excellent opportunity for faculty and researchers to learn new ideas in the field of biomedical engineering and informatics, ranging from decision support systems for diagnosis to modeling physiologic processes & discovering novel biomedical knowledge for disease treatment using Machine Learning techniques
- to provide a platform, where researchers and academicians can get hands-on training and share their knowledge with each other and enhance their research skills

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Guntur (Dist.), A.P.

Topic Covered:

- Practical Implementation of data Preprocessing algorithms
- Feature Extraction & Selection from bio- medical signals
- Machine Learning and Ensemble techniques
- Retinal Image Analysis
- Breast Cancer Diagnosis using mammography
- Linear Logistic Regression, Bayesian Networks & SVM
- Introduction to AI & Machine Learning
- AI for the diagnosis and prognosis of asthma
- PCOS Symptoms and diagnostic procedures
- Deep Learning & its applications
- Case study of Biomechanical applications using Deep Learning
- 2D-wavelets and its implementation in Medical image analysis using WT
- Pattern Recognition for DNA sequences
- Machine Learning for Image Synthesis
- Fetal growth prediction using Machine Learning
- Early detection of malaria using computer vision and Machine Learning
- Introduction to Classical & Advanced Optimization techniques
- Machine Learning in Signal Processing using Python
- Introduction to 3D Imaging and its Data Formats in Medicine
- Image Segmentation and 3D Visualization

Outcome of the programme:

- Able to do How to model the algorithms, optimization of algorithms.
- Able to implementation of machine learning algorithms.
- Able to do Image segmentation using Open CV
- Able to write Python for artificial intelligence. Implementation of filters

No. of participants: 52

Coordinator

IQAC

HOD

HEAD OF THE DEPARTMENT
DEPT. OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPET ENGINEERING COLLEGE
NARASARAOPET - 522 601.

Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day Short-Term course on "Rural Development Through Technical Institution"

Brochure

A Short Term Course on "Optimization using MATLAB"

during

27th - 31st August - 2018

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date:

Place:

Note: Send Registration forms to
mechhod@nrtec.ac.in
Any queries contact: +91-9692464540

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited twice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.



A Short Term Course on "Rural Development Through Technical Institution"

During

29-07-2019 to 02-08-2019

In Association
With
NITTTR-Chandigarh

Organized
By
Department of Mechanical Engineering

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
ISO 9001: 2008 Certified.
Recognized R&D center by JNTUK

Phone : 08647-239923

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF WORKSHOP

The classical optimization techniques are useful in finding the optimal solution or unconstrained maxima or minima of continuous and differentiable functions. These are analytical methods and make use of differential calculus in locating the optimum solution.

The classical methods have limited scope in practical applications as some of them involve objective functions which are not continuous and/or differentiable.

Yet, the study of these classical techniques of optimization form a basis for developing most of the numerical techniques that have evolved into advanced techniques more suitable to today's practical problems.

Therefore, the course is aimed at making participants aware about the different optimization techniques and the tools available for this purpose. The participants will be exposed to application of MATLAB in optimization.

Even Hough, the course is intended to cover fundamental theoretical and algorithmic aspects of optimization, the emphasis will be on applied optimization using MATLAB and its applications in the context of Engineering.

COURSE CONTENT

- Basic concepts and classification of optimization techniques
- Objective functions and constraints
- Mathematical Modeling
- Nonlinear optimization
- Multiobjective optimization
- Solutions of optimization problems using MATLAB

WHOM TO ATTEND

- PG students of all disciplines
- Research scholars in Engineering and Applied Sciences.
- Faculty from all disciplines.

RESOURCE PERSONS

Dr. S. S. Dhami, Professor & HOD, Mech., NITTTR, Chandigarh.
Dr. B. S. Pabla, Professor,Mech., NITTTR, Chandigarh.
Group of faculty from IIT, Roorkee
Group of faculty from NIT, Kurukshetra

Chief Patrons

Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group

Sri M.S. Chakravarthi
B.Tech, MS (US),MBA(ISB-Hyd)
Director, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), M.I.S.T.E, FIE(I)
Principal

Conveners

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Professor & HOD, Dept. of Mech.

Dr. B. Venkata Siva,
Professor

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Mr.B.Rajiv Kumar
Ms.Sadana
Mr. J. Pavan Sai
Mr. S. Sivanjaneyulu
Mr. P. Krishna Sudhakar
Ms. M. Gowthami
Mr. K. John Babu
Mr. R. Ajay Kumar

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
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Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:04-08-2019

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "Rural Development Through Technical Institution"

Dates : 29-07-2019 to 02-08-2019

Details of the Resource Persons :

Name	: Mr. Uday Chand Kumar
Designation	: Professor and Head, Civil Engineering
Organization	: NITTTR Kolkata
Phone No	: +91 33 66251998
Mail.Id	: uckumar@nitttrkol.ac.in

Objective of the programme:

The 3DEXPERIENCE platform is a collaborative environment that empowers businesses and people to innovate in entirely new ways and create products and services using virtual experiences. It provides a real-time view of business activity and ecosystem, connecting people, ideas, and data 3DEXPERIENCE® is the next step after Product Lifecycle Management (PLM). It is a business experience platform in which companies employ 3D modeling, social collaboration, simulation, and information intelligence technologies to create delightful experiences for their ultimate clients or consumers Dassault Systems is a multinational software company that specializes in 3D design and product lifecycle management (PLM) software. The company is best known for its flagship products CATIA and SolidWorks

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PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Topic Covered:

Combining the key applications from the Dassault Systems software brands. The 3DEXPERIENCE platform is a simple, unified PLM environment. The architecture means that product data can be transferred seamlessly between all applications, providing the user with a single, easy-to-use interface.

Now more than ever, manufacturing excellence depends on streamlining operations on the plant floor and throughout the product supply network. However, traditional factory Manufacturing Execution System (MES) solutions focus mainly on the plant floor, with minimal integration beyond the four walls or across business functions

Outcome of the programme:

By the end of this unit, faculty should be able to:

- list the distinctive features of rural development and explain the origins of rural development in relation to the failure of past development policies to benefit the poor and stimulate growth
- explain how, in the 1970s, concerns for efficiency and equity were reflected in policies relating to the green revolution, integrated rural development and the 'basic needs' approach and to critically assess the relevance of these policies for the 21st century
- explain critically the role and origins of 'participation' in rural development
- outline the different dimensions of sustainability and their relevance to the problems of rural development

No. of participants: 40

Coordinator

IQAC

HOD

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NARASARAOPETA ENGINEERING CO
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

A Five-Day STTP on Rural Development through Technical Institutions

BROCHURE

A Short Term Training Programme on "Rural Development through Technical Institution (ICT08)"

on

29th July, 2019 to 02nd August, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle university (USA), NEC has MOUs with various Foreign universities. The college offers seven M.Tech programmes, Two PG courses are MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The College has established Venture Development Centre(VDC) in association with i2E north-eastern university USA AND APSSDC . Also college has Indo-European skilling centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC(Applied Robot Control),Germany.



A Short Term Training Programme on "Rural Development through Technical Institution (ICT08)"

On

29th July, 2019 to 02nd August, 2019

In Association

With

NITTTR-Kolkata

Organized

By

Department of

Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Accredited by NAAC, Accredited Thrice by NBA,

ISO 9001: 2008 Certified.

Three Recognized R&D centers by JNTUK

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

OBJECTIVE OF WORKSHOP

After completing this programme, participants will be able to:

- Understand the history of rural development.
- Understand the activities of various scheme.
- Aware the role of technical institution in implementing the various schemes like CDTP, PWD, etc.
- Prepare Project Report.
- Prepare action plan of scheme.
- Involve PRI/NGO in implementing the scheme.

The term rural is relating to, or characteristic of the countryside rather than the town. Rural Development is the process of improving the quality of life and economic well-being of people living in rural areas, often relatively isolated and sparsely populated areas.

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Science and technology play a vital role in the development strategy of various sections of the society.

Schemes operational under the SEED Programme have been formulated with the broad objective of providing opportunities to motivated scientists, engineers and field-level activists to take up time-bound research-oriented projects with inputs of science and technology for the benefit of disadvantaged sections of society. Projects are implemented through S&T institutions, University departments and S&T based voluntary organizations

Rural Development Abstracts brings you the latest information on rural development in developing countries from environmental management to technical progress, poverty and women's studies. Coverage includes policy and development, land reform, employment, land and water resources, biotechnology, microfinance, education and extension, health and nutrition.

Rural development programs have historically beentop-down from local or regional authorities, regional development agencies, NGOs, national governments or international development organizations. Local populations can also bring about endogenous initiatives for development. The term is not limited to issues of developing countries.

Rural development is a comprehensive term. It essentially focuses on action for the development of areas outside the mainstream urban economic system. we should think of what type of rural development is needed because modernization of village leads to urbanization and village environment disappears.

Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (US), e-MBA(ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V. Koteswara Rao B.Sc.,
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE (I)
Principal.

Convener

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinator

Dr.K. Lakshminadh,
Associate Professor.

Co-coordinators

Dr.S.V.N.Sreenivasu, Professor
Dr.S.Siva Nageswara Rao, Assoc.Professor
Dr.B.Jhansi Vazram, Professor
Dr.M.Venkata Reddy, Assoc.Professor

Organizing committee

Mr. G.E.Sastry
Mr.O.Gandhi
Ms. Sd. Rizwana
Mr.Sk.K.M.Basha
Mr. K. Hazarathaiah
Mr. Sk.Karimulla

Principal
NARASARAOPETA ENGINEERING C...
(AUTONOMOUS)
NARASARAOPET - 522 601,
Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A Short Term Training Programme on

"Rural Development through Technical Institution (ICT08)"

In

Association with NITTTR-Kolkata

Chief Patron

Sri M.S.Chakravarthi B.Tech, MS (US), e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

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Chairman, NEC Group.

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Coordinator

Dr.K. LakshmiNadh,
Assoc.Prof.

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Dr.S.Siva Nageswara Rao, Assoc.Professor
Dr.B.Jhansi Vazram, Professor
Dr.M.Venkata Reddy, Assoc.Professor

ORGANIZING COMMITTEE

Mr. G.E.Sastry
Mr.O.Gandhi
Ms. Sd. Rizwana
Mr.Sk.K.M.Basha
Mr. K. Hazarathaiah
Mr. Sk.Karimulla

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INVITATION

Date: 26-07-2019.

Sub: - "A Short Term Training Program on **"Rural Development through Technical Institution (ICT08)"**– Reg.

Dear Sir/Madam,

We are glad to inform you that our college is organizing a "A Short Term Training Programme on **"Rural Development through Technical Institution (ICT08)"** from 29th July, 2019 to 02nd August, 2019 in association with NITTTR – Kolkata.

We are enclosing a copy of brochure with full details and request you to display it on your notice boards and distributed to your faculty members.

The Term rural is relating to, or characteristic of the countryside rather than the town. Rural Development is the process of improving the quality of life and economic well-being of people living in rural areas, often relatively isolated and sparsely populated areas.

After completing this programme, participants will be able to:

- Understand the history of rural development.
- Understand the activities of various schemes.
- Aware the role of technical institution in implementing the various schemes like CDTP, PWD, etc.
- Prepare Project Report.
- Prepare action plan of scheme.
- Involve PRI/NGO in implementing the scheme.

Principal

With Regards,

Convener
Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinator
Dr. K. Lakshmi Nadh,
Associate Professor.

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET-522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 11-11-2019

Programme Report

Name of the Programme : A 5-day STTP on Rural Development Through Technical Institutions

Dates : 29-07-2019 to 02-08-2019

Details of the Resource Person(s) :

1. Name : Dr.Uday Chand Kumar
2. Designation : Professor, NITTR,Kolkatta
3. Phone No. : 9875342585
4. Mail-id : academic@nitttrkol.ac.in

Objective of the Programme : To aware the role of technical institution in implementing the various rural development schemes like CDTP,PWD,etc.

Topics Covered :

- Understand the history of rural development,
- under the activities of the various schemes,
- Aware the role of technical institution implanting the various schemes like CDTP,PWD, etc.
- Prepare project report ,
- Prepare action plan of the scheme, involve PRI/NGO in implementing the scheme.
- Procedure of filling the format for getting CDRT and PWD schemes.

Outcome of the Programme : After completing the program the parcipients can able to

- Understand the history of rural development,
- under the activities of the various schemes,
- Aware the role of technical institution implanting the various schemes like CDTP,PWD, etc.

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NARASARAOPET - 522 601.
Guntur (Dist.)

- Prepare project report ,
- Prepare action plan of the scheme, involve PRI/NGO in implementing the scheme.
- Procedure of filling the format for getting CDRT and PWD schemes.

.No. of Participants : 60

Coordinator

(Dr.S.V.N Srinivasu)

HoD

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NARASARAOPETA ENGINEERING
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A One-day workshop on LINUX

BROCHURE

Course Content:

- Introduction Linux, and basics of Linux, Hands-on Practice with Linux.

Resource Persons:

➔ Mr.Chinmoy Jana,
NITTTR,Kolkata.

IMPORTANT DATES:

- **last date for Registration: 21/09/2020**
- **Intimation to Participants: 22/09/2020**

Any Queries Contact:
Dr.S.V.N Srinivasu
Professor of CSE Dept.
Mobile:9849866902
Email:dr.svnsrinivasu@gmail.com

DAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 5 Star Rating

AICTE ATAL NEC

A One- Day Workshop
On
LINUX

23rd August,2019

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

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Objective of on LINUX :

Basic of Linux, user management, Disk management, package management, server management,securityimplementation.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://sttponlsm.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 21/09/2020**
- **Intimation to Participants: 22/09/2020**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

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Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr.S.V.N Srinivasu
Professor of CSE Dept.

Co-Coo rdinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Ms. S.Chaitanya Bharathi	

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 25-08-2019

Programme Report

Name of the Programme : A one-day workshop on LINUX

Date : 23-08-2019

Details of the Resource Person(s) :

1. Name : Mr. Ranjit Sen Gupta
2. Designation : Director
3. Organization : Advantage Pro, Chennai
4. Phone No. : 9840082180
5. Mail-id : ranjit@vectratech.in

Objective of the Programme : Basics of Linux, User management, Disk Management, Package Management, Server Management.

Topics Covered : Introduction Linux, and basics of Linux, Hands-on Practice with Linux

Outcome of the Programme : After completion of this programme the faculty can learn basics of Linux..

No. of Participants : 30

Coordinator

(Dr.S.V.N Srinivasu)

HoD

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Six-Day STTP on Statistics with R programming

BROCHURE

A 6 - Day SHORT TERM TRAINING PROGRAMME (STTP)

on

"Statistics with R Programming"

(24th - 29th June, 2019)

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

Accommodation: Limited Accommodation will be provided for outstation participants on prior request. **TA** is paid for outstation participants. The scanned copy of duly filled application form should be send to csehod@nrtec.ac.in, on or before 20-06-2019.

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant.

Date:

Place:

Note: Send Registration forms to:
csehod@nrtec.ac.in

Any queries contact: +91-9885271324

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ABOUT THE COLLEGE

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Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur District and is on the railway line of Guntur to Guntakal. Narasaraopet is 50km from Guntur and 25km to Chilakaluripet (NH5) by road. Narasaraopet is 120km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5km from Narasaraopeta Engineering College



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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A 6 - Day SHORT TERM TRAINING PROGRAMME (STTP)

on

"Statistics with R Programming"

Sponsored by AICTE

(24th - 29th June, 2019)

Organized by

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Phone : 08647-239912
Fax : 08647-239902
E-Mail : csehod@nrtec.ac.in

ABOUT THE DEPARTMENT

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OBJECTIVE OF STTP

R is a programming language, it provides a powerful software environment for statistical computing and graphics, especially widely used for data mining and analytics applications. The R language is the choice for research in statistical methodology, an Open Source for data modelling and data analysis. Surveys of data miners showing that, R's popularity has increased substantially in recent years.

R provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, regression models, classification, clustering and others) and graphical techniques, and is highly extensible. R is easily expandable through functions and extensions, and R community is noted for its active contributions in terms of packages. R has more than 6000 packages available for different purposes. R has stronger object-oriented programming facilities than most statistical computing languages.

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- To discuss and impart the fundamentals of 'R Programming
- To discuss various graphical methods for exploratory data analysis
- To analyze data using exploratory data analysis
- To implement data analytics applications for knowledge discovery using R
- To Write R script to manipulate data
- To Perform basic file input and output
- To Write efficient programs to access data sets with gigabytes of data and millions of records
- To discuss the challenges in data analysis

Who Shall Participate :

The FDP is aimed at the multifaceted audience from industry, full time research scholars, PG students and academicians from various Engineering colleges of CSE, ECE, IT & Mathematics departments.

COURSE CONTENTS

- Introduction of R
- Some statistical applications
- Inferential statistics
- Regressions
- Database connectivity using R
- Data Visualization
- Hadoop with R
- Case Studies

RESOURCE PERSON:

Dr. V. V. HaraGopal
Prof. of Statistics, Dept. of Mathematics
BITS Pilani, Hyderabad

Dr. N. B. Venkateswarlu
M.Tech (IIT Kanpur), Ph.D (BITS, Pilani)
Professor,
G.V.P College of Engineering for Women
Visakhapatnam - 530048

Mr.T.Venkateswara Rao
Former Adviser of APSSDC

Dr. S.Sagar Imambi
Professor , KL University

PROGRAMME COMMITTEE

Chief Patron:

Sri M.S. Chakravarthi
B.Tech., MS (US), e-MBA(ISB-Hyd)
Vice - Chairman, NEC Group.

Patrons:

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Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron:

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK), MISTE., FIE(I).
Principal.

Convener:

Dr. S. N. Thirumala Rao,
Professor & Head, Dept. of CSE

Co-Conveners:

Dr. B.Jhansi Vazram Professor
Dr.Sk.Mohiddin Shaw Professor
Mrs. M. Sireesha Asst. Prof.

ORGANIZING COMMITTEE

Dr. S.V. N. Sreenivasu Professor
Dr. K. Lakshmi Nadh Assoc. Prof
Dr. S. Siva Nageswararao Assoc. Prof
Dr.G.Dharmaiah Assoc. Prof
Mrs. G. L. N. Jayaprada Assoc. Prof
Mr. K. Nitalaksheswara Rao Assoc. Prof
Mr.E.R.N.Sai Assoc. Prof
Mr. Syam Kumar Asst. Prof
Mr.O.Gandhi Asst. Prof
Mr. K. Hazarathaiah Asst. Prof
Mr. K. Suresh Babu Asst. Prof
Mrs. Sd. Rizwana Asst. Prof
Mr. K. Gnanendra Asst. Prof
Mr. G. L. Sastry Asst. Prof

Principal
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PROGRAM REPORT

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Phone : 08647-239905 Website: www.nrtec.in

Date: 30-06-2019

Programme Report

Name of the Programme : A 6-day STTP on Statistics with R programming

Dates : 24-06-2019 to 29-06-2019

Details of the Resource Person(s) :

1. Name : Dr.V.V. Hara Gopal, Dr.N.B.Venkateswarlu, Mr.T.Venkateswara Rao, Dr.S.Sagar Imambi
2. Designation : Prof. of Statistics, Professor, Former Adviser of APSSDC, Professor
3. Organization : BITS Pilani,Hyderabad, G.V.P.College of Engineering for Women, Visakhapatnam, APSSDC,KL University
4. Mail-id : haragopal@gmail.com, nbvenkateswarlu@gmail.com, tvrao@gmail.com, sagarimambi@gmail.com

Objective of the Programme : To acquaint the participants with data analysis techniques.

To enhance the analytical skills of participants in research.

To provide a hands-on experience of the models and tools used for conducting research in management of data.

To help faculty members how to write code , obtain, and execute in research.

Topics Covered : Intro & Text classification, Language Modeling and Sequence Tagging, Vector Scale models on Semantics, Syntactic processing, NLP and Semantics.

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Outcome of the Programme : The outcome of natural Language processing is perform large scale analysis & modeling.

No. of Participants : 37

Coordinator

(Dr.S.N. Thirumala Rao)

HoD

IQAC

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

A Five-Day FDP on
VLSI Chip Design Hands on using open Source EDA Tool

Brochure

A Five –Day Faculty Development Programme On VLSI Chip Design Hands on using Open Source EDA Tool

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Registration Fee: INR 1000.

DD. No: _____ Date: _____

Bank: _____ Branch: _____

DD in favor of Electronics &ICT Academy, MNIT, Jaipur

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms. _____ is working in our institution / Organization and is here by sponsored to participate in FDP on "VLSI Chip Design Hands on using Open Source EDA Tool" at Narasaraopeta Engineering College, Narasaraopet.

Place :
Date :

Signature of the
Head of the Institution (with Seal)

QAC

Topics to be covered

- Introduction to VLSI chip Design Hands on using open source EDA Tools.
- SoC Design (RISC-V SoC, which implements of RISC-v IMC ISA).
- RISC-V and picoSco overview.
- Overview about design cycle, like RTL synthesis,
- Physical design, layout, DRC,
- Pre layout timing analysis(Lab-Open source STA).
- Floor planning (Lab-MAGIC)
- Aspect ratio, Utilization factor, power planning
- Pre-placed cell tap cell, macro, memory /IP placement.
- Placement, clock tree synthesis, Routing and SI
- Lab(Yosys, Graywolf, Orouter, Open STA, MAGIC
- Post-layout STA(Lab -Open STA)
- ECO, impact of ECO on power performance.
- PBA based ECO and leakage-recovery.
- Important aspects , Particular to Analog/ mixed IC design

Last Date for Registration: 5th July, 2019

Date of Confirmation: 6th July, 2019

Who Shall Participate:

The FDP is aimed at the multifaceted audience from industry, full time research scholars, and academicians from various Engineering colleges of ECE, EEE and CSE departments.

Note:
As the seats are limited, the selection is based on first come first serve basis.

A Five -Day

Faculty Development Programme

On VLSI Chip Design Hands on using Open Source EDA Tool

8th July, 2019 to 12th July, 2019

Organized by

Department of Electronics & Communication Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA.
Phone :08647-239914
FAX :08647-239902
E-Mail : ecehod@nrtec.ac.in

In Association with

Electronics & ICT Academy
MNIT, Jaipur

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522601.
Guntur (Dist.), A.P.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE, CSE, ECE, ME, CIVIL and IT. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

IQAC

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B. Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, M.Tech.(Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited thrice by AICTE-NBA. The department is recognized as Research Center by JNTUK, Kakinada. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

ABOUT THE FDP

A Five-day Faculty Development Program on VLSI Chip Design Hands on using Open Source EDA Tool will be organized by ECE department for uplifting Faculty skills on VLSI. This FDP serves as a platform to train and educate the research scholars, faculty and people from industry to interact on cutting-edge technologies in this emerging area.

RESOURCE PERSONS:

Dr.Anand Bulusu, Mr. Kunal P Ghosh, Dr. Imon Mondal and Dr. Suhakumar Reddy.

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I).
Principal.

Convener
Dr. V. Venkata Rao,
Professor & Head, Dept. of ECE

Co-Conveners
Dr.B.Raghavaiah, Associate Preofessor
Dr.Srinivasu Sharma, Professor
Dr. K. Sreenivasa Ravi, Professor
Dr. A.V. Nageswararao, Associate Professor
Dr. K. Raju, Associate Professor

Organizing Committee

Prof. J. V. K Ratnam	Mrs. B. Suneetha
Prof. P .S.S.Chakravarthi	Mr. G. Sai Ganesh
Mr. J. Narasimha Rao	Mrs. T. Indira
Mr. A. Charles Stud	Mr. A. Raveendra Babu
Mr. V. Naveen Raja	Mr. T. Ravi Kanth
Mr. G. Srinivasa Rao	Mr. Sk.Ch. Nagur Shareef
Mr. P. Bhagya Raju	Mrs. P. Vasanthi
Mr. Y. V. Lakshmaiah	Mr. N. Rajeev Reddy
Mr. Sk. Zuber Basha	Mr. V. Rama Krishna Reddy
Mr. A. Srinu	Mr. Ch. Suresh Babu
Mr. N. Srinivasa Rao	Mr. E. Narendra
Mr. M. Srinivasa Rao	Mr. Ch. Karthik
Mrs. Ch. Krishna Priya	Ms. K. Lakshmi Prasanna



PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 16.07.2019

PROGRAM REPORT

Name of the Program : VLSI Chip Design Hands on using open source EDA

Dates : 08– 12,July,2019

Details of the Resource Person :

Name : Dr. Gaurav Trivedi
Designation : **Professor**
Organization : IIT Guwahati -
Phone No : +91-9435582802
Mail id : tr ivedi@iitg.ernet. in

Name : Prof V. K. GUPTA
Designation : Professor
Organization : IIITDM Jabalpur
Phone No : 9425800334
Mail id : vkgupta@iiitdmj.ac.in

Name : Dr. Menka Yadav/Dr. Chitrakant Sahu
Designation : Professor & HoD
Organization : MNIT Jaipur
Phone No : 954 965 5371
Mail id : chitrakant.ece@mnit.ac.in

Name : Dr. Sangeeta Singh
Designation : Professor
Organization : NIT Patna
Phone No : +91- 9479646111
Mail id : sangeeta.singh@nitp.ac.in

Name : Prof. Sanjeev Manhas
Designation : **Professor**
Organization: IIT Roorkee-
Phone No : +91-7 078627392.
Mail id : eict@iitr.ac.in

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Name : Dr. Patri Srihari Rao
Designation : Associate Professor
Organization : NIT Warangal
Phone No : +833 2969 357
Mail id : patri@nitw.ac.in

Objectives of the Program :

- To provide exposure in gaining knowledge on concepts VLSI design
- To acquire skills in floor planning mechanism and timing analysis.
- To acquire skills in advance techniques such as global routing and detailed routing .
- Analog and mixed signal circuits.

Topics covered :

- VLSI design, SoC Design
- Floor planning & timing analysis
- Placement, Clock tree synthesis
- Global routing, Detailed routing
- Analog and Mixed Signal Circuits: Specifications, Design, Layout & GDS

Outcome of the Program :

- Knowledge on Generic digital design flow, hierarchical design representation, Platform based SoC design
- Exposure to Floor planning and pre layout timing analysis using OpenSTA
- Acquire knowledge on Partitioning, iterative placement, analytical placement, Wire-length estimation; Clock tree synthesis using MAGIC tool.
- Estimation of Maze routing, line probe algorithms; Left edge, dog-leg, algorithms; Signal integrity, DRC, LVS, ECO; post layout STA [Orouter, MAGIC tool]
- Knowledge on Important aspects, particular to Analog IC design Flow;

No.of Participants :44

Coordinator

IQAC

HOD
HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-5

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day Short-Term course on "Effective Teaching"

Brochure

A Five day Short Term Course on "Effective Teaching"

During

15th – 19th July - 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to **mechod@nrtec.ac.in**

Any queries contact: +91-9908576677

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited Thrice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

A Five day Short Term Course On "Effective Teaching"

During

15th – 19th July - 2019

Organized

By

Department of Mechanical Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Accredited 'A' Grade by NAAC, Accredited Twice by NBA,

Recognized R&D center by JNTUK,

ISO 9001: 2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechhod@nrtec.ac.in

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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

ABOUT SHORT TERM COURSE

A good portion of an academician's life and work is teaching. Indeed, teaching is one of the main goals of an Institute. Most faculty members would like to motivate and inspire students to learn deeply in their courses. Still, as is well known, some teachers are more effective than others. This workshop is about becoming a more effective teacher. It should be first stated clearly that one cannot be an effective teacher for a subject without having a decent understanding and knowledge of that subject.

However, even with understanding of the subject, one may not be an effective teacher. The aim of this workshop is to help faculty, or aspiring faculty, who have a decent understanding of the subject matter to become effective teachers.

Programe objectives

- Analyse components of effective teaching
- Identify paradigm change in Learning-Teaching system
- Design instruction for active learning
- Manage classroom behavior
- Develop a tool for assessing teaching effectiveness

WHOM TO ATTEND

- Any faculty of all Disciplines

RESOURCE PERSON

Mr.Habiba Hussain, NITTTR -Kolkata.

&Team of faculty from IIT's & NITs



Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exc.
Vice - Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao B.Sc.,
Chairman, NEC Group

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech, Ph.D (UK), M.I.S.T.E, FIE (I)
Principal

Conveners
Dr. D. Suneel
Dean (Acad.) & HOD, Dept. of Mech.

Mr. R. Raveendra Nath
Asst.Professor, Dept. of Mech.

ORGANIZING COMMITTEE

Dr. D. Jagadish
Dr.B.Venkata Siva
Mr. P.Suresh Babu
Mr. M. Venkanna Babu
Mr. M.Venkaiah
Mr. P.Srinivasarao
Mr. K.Kiran chand
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Mr. N. Vijaya Sekhar
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Ms. P.Sravani
Ms.T.venkata Deepthi
Mr.T.Ashok Kumar
Mr.B.Rajiv kumar
Mr.J.Yesu Dasu
Mr. P. Krishna Sudhakar
Mr. K. John Babu
Mr. S. Sivanjaneyulu
Mr.K.Ayyappa Swamy
Mr.R.Ajay Kumar
Mr.P.Rajanna

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 21-07-2019

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "Effective Teaching"

Dates : 15th - 19th JULY-2019

Details of the Resource Persons :

Name : Dr. Habiba Hussain
Designation : Associate Professor, Education and Management
Organization: NITTTR Kolkata
Phone No : +91 33 66251947
Mail.Id : habiba.hussain@nitttr.ac.in

Objective of the programme:

- Before you decide on the content to cover in your course, endow your course with a strong internal structure conducive to student learning.
- Alignment among three main course components ensures an internally consistent structure. Alignment is when the:

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

- OBJECTIVES articulate the knowledge and skills you want students to acquire by the end of the course
- ASSESSMENTS allow the instructor to check the degree to which the students are meeting the learning objectives
- INSTRUCTIONAL STRATEGIES are chosen to foster student learning towards meeting the objectives

When these components are not aligned, students might rightfully complain that the test did not have anything to do with what was covered in class, or instructors might feel that even though students are earning a passing grade, they haven't really mastered the material at the desired level.

Topic Covered:

- How learning actually changes the physical structure of the brain.
- How existing knowledge affects what people notice and how they learn.
- What the thought processes of experts tell us about how to teach.
- The amazing learning potential of infants.
- The relationship of classroom learning and everyday settings of community and workplace.
- Learning needs and opportunities for teachers.
- A realistic look at the role of technology in education.

Outcome of the programme:

To simply put, Learning Outcomes are any measurable skills, abilities, knowledge or values that the student demonstrates as a result of completing a given course or class. ... It is completely student-oriented and describes what both the students have to learn and what the instructor will teach.

No. of participants: 40

Coordinator

HOD

IQAC

A Five-Day Short-Term Course on "Electric Vehicle Technology"

Brochure

A 5-day Short Term Course on
"Electric Vehicle Technology "
on
26th August, 2019 to 30th August, 2019

REGISTRATION FORM

Name:_____

Designation:_____

Mobile No.:_____

College Name: _____

E-Mail:_____

Experience:_____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the short-term course.

Signature of the Applicant

Date :
Place :

Note: Send Registration forms to
eechod@nrtec.ac.in
Any quires contact: 08647-239913

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech Programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The college has established venture development Centre (VDC) in association with in association with i2E north-eastern university USA and APSSDC. Also the college has Indo-European skilling Centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany.



A 5-day Short Term Course on
"Electric Vehicle Technology"
on
26th August, 2019 to 30th August, 2019

In Association
with
NITTTR-Chandigarh

Organized
by
Department of Electrical and Electronics Engineering

NARASARAOPETA ENGINEERING COLLEC
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTU Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA,

Phone : 08647-239913
FAX : 08647-239913
E-Mail : **eechod@nrtec.ac.in**

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601,
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of EEE started in the year 1998, EEE department offers an AICTE-approved four-year undergraduate Programme (B.Tech) in Electrical & Electronics Engineering. The JNTU-Kakinada-affiliated department is twice accredited by the NBA, in 2009 & 2013, and is certified by the ISO. EEE course offers expertise in electrical machines, power electronics, generation, transmission and distribution of power, power system operation and its control using computer methods such as artificial neural networks, Fuzzy Logic, micro-controllers and more. The department conducts research programs, seminars, and work-shops to widen the knowledge base of students and faculty members. By the end of the four years, our students are equipped to become professionals, scholars, academicians, researchers, and entrepre-neurs right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

ABOUT NITTTR

The institute started with long term teachers' training programmes for polytechnic teachers in 1967 and was also entrusted with the responsibility of promoting curriculum development work for the states in the region. To improve the competence of teachers for implementing new curricula designed by this institute, short term courses have been offered since 1967. The institute established a Media Centre in 1981 for preparing print & non-print instructional materials.The institute also set up the department of Rural Development and the department of Entrepreneurship Development to assist polytechnics in directing their efforts towards training manpower and disseminating information in these areas.

The Educational Television and Computer Science departments were established in the year 1981and 1982 respectively. Since 1983, the institute has been guiding and assisting the states in the areas of Educational Planning and Management. Since 1992In the year 1998, two more Master of Engineering Programmes in Instrumentation and Control and Electronics and Communication Engineering were added, and, since 2005, the institute started offering Modular Master of Engineering Programmes in all the above disciplines. All these programmes, being offered for teachers of technical institutions and their administrators, professionals from industry and general candidates, are duly approved by AICTE and affiliated to Punjab University, Chandigarh.

OBJECTIVE OF COURSE

This training Programme is specially de-signed for Engineering College Teachers and it mainly deals with various aspects of Electric Vehicle Technology. The course aims to achieve the following objectives:

-To update the knowledge in the emerging and upcoming topics in the subject area.

- To make the teachers conversant with relevant practices in Electric Vehicle Technology .

- Power management in electric Vehicle has been revolutionized since the old power structure introduced with first EVs. Today, it can be powered either by a single or a combination of multiple sources and driven by a single or a combination of multiple algorithms. This enhancement contributes in significantly better results.

The Programme will be designed around the following major topics:

- Introduction to Electric Vehicle (EV) Technology
- Vehicle to Grid (V2G) and Grid to Vehicle (G2V)
- Electric Machinery in EVs
- Energy Storage Technology
- Charging Infrastructure

Course Co-Ordinator:

Dr. Lini Mathew, Professor,
Electrical Engineering Department, NITTTR.

Chief Patrons:

Sri M.V.Koteswara Rao B.Sc.,
Chairman, NEC Group.

Sri M.S.Chakravarthi B.Tech, MS (US), e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Sri M.Ramesh Babu
Secretary, NEC Group.

Patron:

Dr. M.Sreenivasa Kumar, M.Tech., Ph.D (U.K), MISTE, FIE(I)
Principal.

Convener:

Dr. P.Lakshmanan
Professor & Head, Dept. of EEE

Coordinator:

Mr.P.D.V.S.K.Kishore
Associate Professor, Dept. of EEE

Organizing Committee:

Sk.Md. Shareef	Associate Professor
J.Sunil Babu	Associate Professor
G.Naga Raju	Associate Professor
P.Ravi Kumar	Associate Professor
M.Chandra Sekhar	Associate Professor
Sk.Karimulla	Assistant Professor
K.N.Brahma Chari	Assistant Professor
B.Praveen Kumar	Assistant Professor
G.Naveen	Assistant Professor

Program Report

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:30.08.2019

PROGRAMME REPORT

Name of the Programme : A Five Day Faculty Development Programme on " **Electric Vehicle Technology"**

Dates : 26th to 30th August, 2019

Details of the Resource Persons :

1. Name : Dr.Mani Madhukar.
   Designation : Program Manager
   Organization : IBM India Ltd,Delhi
   Phone No : 9490583022
   Mail.Id : Madhukar.dtu@gmail.com

2. Name : Dr. Lini Mathew
   Designation :, Professor, Electrical and Electronics Engg
   Organization : NITTTR
   Phone No : 9492258640
   Mail.Id : Lini26@Co.in

Objective of the programme:

This training Programme is specially de- signed for Engineering College Teachers and it mainly deals with various aspects of Electric Vehicle Technology. The course aims to achieve the following objectives: To update the knowledge in the emerging and upcoming topics in the subject area.

- To update the knowledge in the emerging and upcoming topics in the subject area.
- To make the teachers conversant with relevant practices in Electric Vehicle Technology
- Power management in electric Vehicle has been revolutionized since the old power structure introduced with first EVs. Today, it can be powered either by a single or a combination of multiple sources and driven by a single or a

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combination of multiple algorithms. This enhancement contributes in significantly better results.

Topic Covered:

- Introduction to Electric Vehicle (EV) Technology
- Vehicle to Grid (V2G) and Grid to Vehicle (G2V)
- Electric Machinery in EVs
- Energy Storage Technology
- Charging Infrastructure

Outcome of the programme:

- Demand for Engineers with a deep understanding of EV is going up as the world is transitioning towards Electric mobility with lot of R&D happening all across the board.
- Be a part of the future trend
- Learn skills like Battery Design and EV powertrain
- Participate in student competitions like Electric Formula SAE
- The entry point to R&D and abroad studies.

No. of participants: 28

Coordinator

HOD

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ENGINEERING COLLEGE
(AUTONOMOUS)

One day workshop on e-Sim, a First course in the IoT Series

Brochure

4. Teaching faculty:

This workshop will be conducted using Spoken Tutorial methodology. Participants will learn eSim by listening to the Spoken Tutorials and practicing them on 'eSim'. The teaching faculty will be **Prof. Kannan Moudgalya,** Principal Investigator, PMMMNMTT and Spoken Tutorial Project, IIT Bombay

5. Course fee

The course fee for the Coordinators' workshop is Rs. 200/-, which has to be paid at the time of online registration.

Please note that the registration fee once paid is neither refundable nor adjustable under any circumstances.

6. Who should attend?

It is mandatory for each participating Remote Centre to send a **teacher,** who will act as the "domain expert" for the main workshop. The teacher should be from Electronics or allied engineering fields and should have basic electronics circuit design knowledge. He / she should have learnt eSim software using the Spoken Tutorials and should have installed, practiced eSim and uploaded the requisite project files. The last date of remote centres' acceptance is **2 July 2019.** The registration link for the coordinators' workshop will be sent only to those teachers who fulfil the above conditions.

7. Criteria for issuing Certificates

E-certificate will be provided to the participants after successful completion of the workshop and filling up the feedback form.

8. Duration and Venue

The Coordinators' workshop will be conducted at **IIT Bombay on Saturday, 27 July 2019, from 9.30 AM to 6.00 PM.**

9. How to apply?

Enrollment will be strictly online, and no other mode of application will be entertained. The online registration for coordinators' workshop will start on **3 July 2019.** The date of registration is **15 July 2019.** The URL for registration is:
http://www.it.iitb.ac.in/nmeict/announcements.html

Register on Spoken Tutorial Website:

1. Participants should register on **ST** website to be eligible to participate in Forums. Click on the **Register** link in this URL - https://spoken-tutorial.org/
2. Fill up the registration form and submit.
3. You will get an email.
4. Activate your account by clicking the link in the email.
5. Note down your Username and Password.

Note

- IIT Bombay will NOT bear the travel expenses of the participating representatives. RCs have to bear the travel expenses.
- The PMMMNMTT project will provide **free accommodation (for one night only), lunch and refreshments** for all the participants during the workshop.
- Participants are required to bring **earphones,** as they will have to listen to video tutorials. For those who don't bring, low-cost earphones will be made available at the venue for a cost of Rs. 50/- each.

Address for communication

Dr. Kalpana Kannan
Project Coordinator, ESOS Project
Department of CSE, Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076
Tel.: +91-22-2576 4989
Fax: +91-22-2572 0022
Email: coutreach@it.iitb.ac.in

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One Day Coordinators' Workshop

Under 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNMTT), Funded by the Ministry of Human Resource Development, **Government of India**

on

eSim, a First Course in the IoT Series

27 July 2019

Conducted by

IIT Bombay

Course Coordinator

Professor Kannan Moudgalya
Department of Chemical Engineering
Indian Institute of Technology Bombay
Mumbai - 400076

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1. Introduction

IIT Bombay has conducted many large-scale teacher training workshops under the Train 10,000 Teachers (T10KT) programme, sponsored by the National Mission on Education through ICT (NMEICT), MHRD, Govt. of India, and trained over 2,00,000 teachers.

Another successful technology developed at IIT Bombay is Spoken Tutorial, using which about 50 lakh students have been trained on various ICT topics. The effectiveness of this method can be seen from the testimonials available here: https://spoken-tutorial.org/testimonials/media/?foss=70 and this TEDx talk. The Spoken Tutorial project is also implemented successfully at IIT Bombay, with funding from NMEICT, MHRD.

It is now proposed to offer the highly effective Spoken Tutorial based ICT training to a large number of teachers across the country, through the T10KT methodology, with IoT series training being taken up next. The first workshop in the IoT series will be on eSim. eSim is a free/libre and open source EDA tool for circuit design, simulation and PCB design. It is an integrated tool built using free/libre and open source software such as KiCad and Ngspice. eSim is released under GPL. eSim offers similar capabilities and ease of use as any equivalent proprietary software for schematic creation, simulation and PCB design, without having to pay a huge amount of money to procure licenses. Hence it can be an affordable alternative to educational institutions and SMEs. It can serve as an alternative to commercially available/ licensed software tools like OrCAD, Xpedition and HSPICE.

The FOSSEE (Free/Libre and Open Source Software for Education) project at IIT Bombay (https://fossee.in) has been promoting eSim, and other Free/Libre and Open Source Software (FLOSS), such as Scilab, OpenFOAM, Python, Osdag, OpenModelica, DWSIM & R, and Open Source hardware, such as Arduino and OpenPLC. FOSSEE is also funded by NMEICT, MHRD.

The first workshop in the IoT series which is on eSim, is organised by the Teaching Learning Centre (TLC) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Tea (PMMMNMTT), MHRD, Govt. of India. As Spoken Tutorial method offers hands on practice, with 100% active learning, those who undergo this training will be able to start using eSim immediately after the workshop. They will also be able to conduct eSim workshops for their students, using Spoken Tutorials, on their own, without requiring any help from anyone else. The one day eSim Coordinators' workshop will be conducted on Saturday, 27 July 2019 at IIT Bombay. This will be a blended training programme that uses Spoken Tutorials to teach how to use eSim. Details of the workshop will be announced later. The medium of instruction for this workshop is English.

The above mentioned training will be provided to the teachers who fulfil the below criteria.

1. The teacher should be from Electronics or allied engineering fields and should have basic electronics circuit design knowledge.
2. Have learnt eSim software using the Spoken Tutorials.
3. Installed eSim in their laptops.
4. Created a Gerber file for an electronic circuit using eSim.
5. Upload the project files through the Google form.
6. The details of the circuit and submission will be intimated once a coordinator is nominated.

Only those teachers who have uploaded the Gerber files, will be eligible to register and attend the eSim workshop at IIT Bombay. It is mandatory for the teachers to bring their laptops with eSim installed in it. These teachers will conduct the main workshop, which is scheduled on **Saturday, 21 September 2019.** This will be a blended training programme that uses A-VIEW for live interactions and Spoken Tutorials to learn to use eSim. Details of the main workshop will be announced later.

2. Methodology of the Coordinators' Workshop

The coordinators' workshop will be conducted at IIT Bombay on **Saturday, July 27, 2019.** It is mandatory for each participating Remote Centre to send a teacher, who will act as the "domain expert" for the main workshop for teachers. The participating RC should take care of the travel expenses of the above mentioned teachers who would be coming to IIT Bombay for the Coordinators' workshop. The PMMMNMTT project will provide free accommodation and lunch/refreshments for all the participants. The participants of this workshop should go back to their respective centres and help organize the main workshop.

3. Outline of the workshop

The workshop will have two parts:

(a) About 2.5 hours will be used in Learning eSim from Spoken Tutorials.

(b) About 30 minutes will be used to learn about the excellent eSim content, developed by FOSSEE.

(c) About 2 hour will be given to verify the simulation results of eSim using hardware.

(d) About 1 hour for practising more examples on eSim.

3 (a). Learning eSim from Spoken Tutorials

The following tutorials are available under eSim series:

1. Schematic Creation and Simulation.
2. Device Model creation and Simulation.
3. Mapping Components with Footprints.
4. Setting Parameters for PCB designing.
5. Laying Tracks on PCB.

3 (b) . Useful eSim content developed by FOSSEE

A significant issue with the acceptance of open source software on a large scale by academia, is due to the lack of documentation. We had proposed and implemented a novel/unique approach to solve this problem through the Textbook Companion (TBC). The eSim TBC is a repository of simulations of solved examples from standard Engineering and Science textbooks coded using eSim. These solved simulations are freely available.

Apart from the TBCs, another activity under eSim is the Circuit Simulation Project. Students, faculty and practitioners of electrical and electronics and allied fields can rebuild existing circuit design and simulations using eSim, through the Circuit Simulation project. The contributors are awarded certificate and honorarium. Currently, we have more than 50 simulations available for download and use.

Program Report

NARASARAOPETA ENGINEERINGCOLLEGE(AUTRONOMOUS):NARASARAOPET

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

PROGRAMME REPORT

Name of the Programme: **One-day work shop one_Sim (A first couse on IOT series)**
Date(s) : 21-09-2019

Resource Person(s) : Experts from **PMMMNMTT**

Objectives of the Programme: :To introduce e_Sim

To Schematic Creation and Simulation
To Mapping components with Footprints

Topics Covered : General Instructions for eSim:

: Linux installation and Windows Installation

: Common instructions

:Schematic Creation and Simulation

: Mapping components with Footprints

:PCB Layout for Astable Multivibrator

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NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS): : NARASARAOPET

Department of Electronics and Communication Engineering

PROGRAMME OUTCOME

Outcome of the Programme:. All the participants actively involved in learning the basics of Xlinx and Mentor Graphics . It is a good experience to learn about latest trends in IC design using modern tools for the investigation of Engineering Problems.

No of Participants 47

Coordinator

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day STTP on Laboratory Safety Management

BROCHURE

Course Content:

- Fundamental of laboratory safety management
- Personal protective equipment
- Fire safety management
- Compressed air safety management
- Chemical safety management
- Risk assessment in hazardous laboratory work
- Laboratory waste management
- Ergonomics
- Emergency equipment for laboratory work
- Mechanical hazards in the laboratory area

Resource Persons:

- Dr. Subrata Mondal
  Academic Related Officer
  NITTTR,Kolkata
- Mr.Chinmoy Jana,
  NITTTR,Kolkata.

IMPORTANT DATES:

- **last date for Registration: 21/09/2020**
- **Intimation to Participants: 22/09/2020**

Any Queries Contact:
Dr. K.Lakshminadh,
Professor of CSE Dept.
Mobile:
Email:

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

AICTE ATAL NEC

A Five- Day
Short Term Training Program
On
Laboratory Safety Management

23rd - 27th September,2019

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

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Objective of on STTP on Laboratory Safety Management:

After attending this program, participants would be able to:

- explore about proper housekeeping in the chemical laboratory area.
- explore various personal protective equipment for chemical laboratory works.
- explore emergency equipment for chemical laboratory works.
- perform risk assessment of hazardous laboratory works.
- explore about compressed air safety management.
- explore about hazardous waste management in the chemical laboratory.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://sttponlsm.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr. K.Lakshminadh,
Professor of CSE Dept.

Co-Coordinators

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Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

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Ms. M. Sireesha
Mr. P.Lakshminarayana
Mr G.Lakshminarayana
Mr K.Satyam Reddy
Mr K.V.Narasimha Reddy
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Ms. O Aruna
Ms. Ch.Kamala
Mr Sk.K.M.Basha
Mr Y.Suresh

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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 29-09-2019

Programme Report

Name of the Programme : A 5-day STTP on Laboratory Safety Management

Date : 23-09-2019 TO 27-09-2019

Details of the Resource Person(s) :

1. Name : Dr. Subrata Mondal
2. Designation : Academic Related Officer
3. Organization : NITTR, Kolkata
4. Phone No. : 8899565657
5. Mail-id : subratamondal@gmail.com

Objective of the Programme : After attending this program, participants would be able to:

- explore about proper housekeeping in the chemical laboratory area.
- explore various personal protective equipment for chemical laboratory works.
- explore emergency equipment for chemical laboratory works.
- perform risk assessment of hazardous laboratory works.
- explore about compressed air safety management.
- explore about hazardous waste management in the chemical laboratory.

Topics Covered : Fundamental of laboratory safety management

Personal protective equipment

Fire safety management

Compressed air safety management

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Chemical safety management

Risk assessment in hazardous laboratory work

Laboratory waste management

Ergonomics

Emergency equipment for laboratory work

Mechanical hazards in the laboratory area

Outcome of the Programme : After completion of this program the faculty can learn about proper housekeeping in the chemical laboratory area, perform risk assessment of hazardous laboratory works, explore about compressed air safety management.

No. of Participants : 30

Coordinator

(Dr.S.V.N Srinivasu)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A One-day FDP on RED HAT LINUX

BROCHURE

Course Content:

→ Red Hat Linux

Resource Person/Organization:

Mr. Ranjit Sen Gupta

Director Advantage Pro, Chennai

IMPORTANT DATES:

- **Last date for Registration: 02/11/2019**
- **Intimation to Participants: 05/11/2019**

Any Queries Contact:
S.Parabrahmma Chari
Asst.Professor of CSE Dept.
Mobile:8247364216
Email:para.chari@gmail.com

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 5 Star Ratino

AICTE ATAL NEC

A One-Day Faculty Development Program On Red Hat Linux

6th November, 2019

Organized By

Department of Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
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ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

Objective of on Red Hat Linux :

Basic of Linux, user management, Disk management, package management, server management,securityimplementation.

Registration:

- The All the Faculties are can participate in this Seminar.
- Number of participants is limited to 200
- To register, please visit: https://fdponredhatlinux.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- **last date for Registration: 02/11/2019**
- **Intimation to Participants: 05/11/2019**

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

S.Parabrahmma Chari
Asst.Professor of CSE Dept.

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshmnadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Ms. S.Chaitanya Bharathi	

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 17-09-2019

Programme Report

Name of the Programme : A one-day FDP on RED HAT LINUX

Date : 16-09-2019

Details of the Resource Person(s) :

1. Name : Mr. Ranjit Sen Gupta
2. Designation : Director
3. Organization : Advantage Pro, Chennai
4. Phone No. : 9840082180
5. Mail-id : ranjit@vectratech.in

Objective of the Programme : Basics of Linux, User management, Disk Management, Package Management, Server Management, Security Implementation, Scripting.

Topics Covered : Introduction to Red Hat Linux and its basics, Hands-on Practice with Red Hat Linux.

Outcome of the Programme : After completion of this programme the faculty can learn basics of Red Hat Linux..

No. of Participants : 30

Coordinator

(Dr.S.V.N Srinivasu)

IQAC

HoD

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NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601.
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A Six-Day Faculty Development on "Basics of PLC"

Brochure

A 6-day Faculty Development Program
on
"Basic of PLC"

18th-23nd November, 2019

REGISTRATION FORM

Name:_____

Designation:_____

Mobile No.:_____

College Name:_____

E-Mail:_____

Experience:

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the Faculty Development Programme.

Signature of the Applicant

Date :
Place :

Note: Send Registration forms to
eechod@nrtec.ac.in
Any quires contact: 08647-239913

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educa- tional Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech Programmes, two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE,IT,CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

The college has established Venture Development Centre (VDC), in association with APSSDC. Also the college has Indo-European skilling Centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. The college has established Dassault Systems Lab (DSL)



A 6-day Faculty Development Program
on
"Basic of PLC"

18th- 23nd November, 2019

In Association with
APSSDC-SIEMENS

Organized by
Department of Electrical and Electronics Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA.

Phone : 08647-239913
FAX : 08647-239913
E-Mail : **eechod@nrtec.ac.in**

Principal
NARASARAOPETA ENGINEERING C...
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of EEE started in the year 1998, EEE department offers an AICTE-approved four-year undergraduate Programme (B.Tech) in Electrical & Electronics Engineering. The JNTU-Kakinada-affiliated department is twice accredited by the NBA, in 2009 & 2013, and is certified by the ISO. EEE course offers expertise in electrical machines, power electronics, generation, transmission and distribution of power, power system operation and its control using computer methods such as artificial neural networks, Fuzzy Logic, micro-controllers and more. The department conducts research programs, seminars, and work- shops to widen the knowledge base of students and faculty members. By the end of the four years, our students are equipped to become professionals, scholars, academicians, researchers, and entrepreneurs right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D.

ABOUT APSSDC-SIEMENS:

The main aim of APSSDC-SIEMENS Project is to train the large number of un-employed youth for employability and to create industry relevant technically skilled work-force. It follows a hub and spoke module. The more expensive state -of -art laborites kept in hub.i.e center of excellence (COE), which will also function as center of higher learning and research while the commonly required trade have been spread into spokes.

Each cluster will have an annual capacity to train 20,000.Thus total capacity of the project is 1, 20,000 from all the centers. This is a collaborative project with Siemens with a share of 10% by Government and 90% by Siemens.

Govt. have permitted 40 centers in the state, out of which six are Center-of-Excellence(COE), while 36 are Technical skill development institutions (t-sdis).

OBJECTIVE OF PROGRAMME

This training programme is specially de-signed for Engineering College Teachers and it mainly deals with various aspects of programme logic controls. The course aims to achieve the following objectives:

- To update the knowledge in the emerging and upcoming topics in the subject area.
- To make the teachers conversant with relevant practices in Programmable Logic Controller.

A Programmable Logic Controller (PLC) is a digital computer used for automation of typically industrial electromechanical processes, such as control of machinery, factory assembly lines, light fixtures are used in many machines in my industries.

The Programme will be designed around the following major topics:

- Hardware Details of SIMATIC controllers, Programming languages, NO/NC Concept.
- Positive and Negative Trigger, Set/Reset Instructions,
- SR&RS Flip-Flop, Latching concept. ON-Delay timer, Retentive on delay timer, OFF-Delay timer, Pulse timer. Data block, Industrial Based Comparators, Up Counter, Down Counter, Up/Down Counter. Industrial Based Application on Counters.
- Subroutine Programming Blocks FC, FB. Analog value processing and Different Industrial based Application on Analog. Brief Introduction of SCADA, HMI and DCS System.

RESOURCE PERSONS

Mr.Md.Tameezuddin

Engineer Technical Services - APSSDC

Mr. SK.Riyazuddin

Engineer Technical Services - APSSDC

TRAINING PROGRAM

The Training Programme has following sections

1. Lectures
2. Hands-on-Practice

There is no registration fee.

Certificate will be provided for each participant after successful completion of the course by APSSDC

CHIEF PATRONS:

Sri M.V.Koteswara Rao B.Sc.,
Chairman, NEC Group.

Sri M.S.Chakravarthi B.Tech, MS (US), e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Sri M.Ramesh Babu
Secretary, NEC Group.

PATRON:

Dr. M.Sreenivasa Kumar, M.Tech., Ph.D.(U.K)., MISTE., FIE(I)
Principal.

CONVENER:

Dr. P.Lakshmanan
Professor & Head, Dept. of EEE

COORDINATOR:

Mr. Sk.Karimulla
Assistant Professor, Dept. of EEE

ORGANIZING COMMITTEE:

Sk.Md.Shareef	- Associate Professor
P.D.V.S.K.Kishore	- Associate Professor
J. Sunil Babu	- Associate Professor
G. Naga Raju	- Associate Professor
M.Chandra Sekhar	- Associate Professor
K.N.Brahma Chari	- Assistant Professor
B.Praveen Kumar	- Assistant Professor
G.Naveen	- Assistant Professor
M.Subramanyam	-Assistant Professor

Program Report

NAKASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:23.11.2019

PROGRAMME REPORT

Name of the Programme : A Six Day Faculty Development Programme on "Basics of PLC"

Dates : 18th to 23nd November, 2019

Details of the Resource Persons :

1. Name : Mr. Md. Tameezuddin
   Designation : Engineer in Technical-APSSDC
   Organization : APSSDC
   Phone No : 9059789952
   Mail.Id : riyazuddin.shaik@designtech.com

2. Name : Mr. SK. Riyazuddin
   Designation : Senior Engineer Technical Service
   Organization : APSSDC
   Phone No : 9492258640
   Mail.Id : riyazuddin.shaik@designtech.com

Objective of the programme:

This training programme is specially designed for Engineering College Teachers and it mainly deals with various aspects of programme logic controls. The course aims to achieve the following objectives:

- To update the knowledge in the emerging and upcoming topics in the subject area.
- To make the teachers conversant with relevant practices in programmable Logic Controller.

A programmable Logic Controller (PLC) is a digital computer used for automation of typically industrial electromechanically processes, such as control of machinery, factory assembly lines, light fixtures are used in many machines in my industries.

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NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Topic Covered:

- Hardware details of SIMATIC controllers, Programming language, NO/NC Concept.
- Positive and Negative Trigger, Set/Reset Instructions.
- SR&RS Flip-Flop, Latching concept. On-Delay timer, Retentive on delay timer, OFF-Delay timer, pulse timer. Data block, Industrial Based comparators, up Counter, Down Counter, Up/Down Counter and Industrial Based Applications on Counters.
- Subroutine Programming Blocks FC, FB. Analog value processing and different industrial based applications on Analog. Brief Introduction of SCADA, HMI and DCS System.

Outcome of the programme:

- PROGRAMMABLE LOGIC CONTROLLER (PLC) is an industrial computer control system that continuously monitors the state of input devices and makes decisions based upon a custom program to control the state of output devices.
- These controllers can automate a specific process, machine function, or even an entire production line
- Flexible in Nature: One model of PLC can be used for different operations as per requirement.
- Easy to install and troubleshooting: In hard wired relay based systems, installation time is more as compared to the PLC based control panels.

No. of participants: 14

Coordinator

HOD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Recent Trends in IC Design Using Mentor Graphics EDA Tools

Brochure

FDP ON

RECENT TRENDS IN IC DESIGN

USING

MENTOR GRAPHICS EDA TOOLS

18th – 22nd November, 2019

In Association with

CoreEL Technologies

Enabling Excellence

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Area of Research: _____

Accommodation required: Yes/No

Registration Fee: 500/-

Signature of the Applicant

Note: The scanned copy of duly filled application form should be send to ecehod@nrtec.ac.in on or before 16-11-2019.

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms. _____

is working in our institution / Organization and is here by sponsored to participate in FDP on "***RECENT TRENDS IN IC DESIGN USING MENTOR GRAPHICS EDA TOOLS***" at Narasaraopeta Engineering College, Narasaraopet.

Topics to be covered:

- ✓ Basics of ASIC Design and ASIC Vs FPGAs
- ✓ Overview of IC Design with SOCs, MPSOCs and RFSOCs
- ✓ Current trends in Xilinx and Mentor Graphics Products and Features
- ✓ Full Custom Flow and Semi-Custom Design Flow
- ✓ Latest Advancements in VLSI Industry
- ✓ Lab-: Full Custom Design Flow
  Schematic Entry, Spice Models
  Simulation: DC Analysis and Measurement of Operation Point Analysis, Transient and Power Analysis
- ✓ Lab-: Layout entry
  Placement, Routing
  Physical Verification Using Industry Standard Calibre Tool
- ✓ Post Layout Simulation
- ✓ Lab: Amplifier Design and Analysis Simulation
  AC Analysis, Magnitude and Phase Plots
- ✓ Layout of Amplifier Placement & Routing
  Physical Verification

Impartment Dates:
Last Date for Registration: **15th November, 2019**
Date of Confirmation: **16th November, 2019**

Who Shall Participate:
The FDP is aimed at the multifaceted audience from industry, full time research scholars, PG students and academicians from various Engineering colleges of ECE.

Accommodation:
Limited Accommodation will be provided for outstation participants on prior request.
Contact for Accommodation: 9440664462

Note: As the seats are limited, the selection is based on first come first serve basis.

FDP ON

RECENT TRENDS IN IC DESIGN

USING

MENTOR GRAPHICS EDA TOOLS

18th – 22nd November, 2019

In Association with

CoreEL Technologies

Enabling Excellence

Organized by

Department of Electronics & Communication Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE. Permanently Affiliated to JNTUK, Kakinada.
Accredited 'A' Grade by NAAC, Accredited by NBA.

Phone : 08647-239914
FAX : 08647-239902
E-Mail : ecehod@nrtec.ac.in

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PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Six courses at B.Tech level in the branches EEE, CSE, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college.

In order to build a vibrant entrepreneurship ecosystem Venture Development Centre (VDC) is established in association with APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs. The college is awarded AAA ranking by career 360 and also a member of TiE, Hyderabad. The college has established MHRD-IIC (Institution Innovation Council) and also a member of ICT Academy.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B. Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programmes, **M.Tech** (Digital Electronics and Communication Systems) which was started in the year 2004 with an intake of 18 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18. The department has a team of highly qualified and experienced teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the-art equipment and latest software. The UG programme of the department is accredited thrice by NBA. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

ABOUT THE FDP

FDP on "***RECENT TRENDS IN IC DESIGN USING MENTOR GRAPHICS EDA TOOLS***" provides an excellent opportunity for faculty and researchers to learn new ideas in the field of VLSI, ranging from chip design to complete systems development & discovering novel tools for designing. The aim of FDP is to provide a platform, where researchers and academicians can get hands-on training and share their knowledge with each other and enhance their research skills. Faculty members are able to get deep insight into the details of advanced techniques in IC design. As a result, the faculty members participated in this program may propose new designs in this field.

RESOURCE PERSONS

1. Nagendra Bandi, Senior Application Engineer, CoreEL Technologies (I) Pvt Ltd, Bangalore
2. Dr. G Rama murthy, Professor, IIITH Hyderabad
3. Dr. Vaddi Ramesh, Associate Professor, Dept of

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S.(USA), Exec-MBA (UK)
Vice - Chairman, NEC Group

Patrons
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group
Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIETE
Principal

Coordinator
Dr. V. Venkata Rao, Professor & Head

Co-coordinators
Dr. A.V. Nageswararao, Associate Professor
Dr. K. Sreenivasa Ravi, Professor
Dr. K. Raju, Associate Professor
Dr. B. Raghavaiah, Associate Professor

Organizing Committee

Prof. J. V. K.Ratnam	Mrs. B. Suseelha
Prof. P. S.S.Chakravarthi	Mr. G. Sai Ganesh
Mr. J. Narasimha Rao	Mrs. T. Indira
Mr. A. Charles Stud	Mr. A. Raveendra Babu
Mr. V. Naveen Raja	Mr. T. Ravi Kanth
Mr. G. Srinivasa Rao	Mrs. P. Vasanthi
Mr. P. Bhagya Raju	Mr. N. Rajeev Reddy
Mr. Y. V. Lakshmaiah	Mr. V. Rama Krishna Reddy
Mr. Sk. Zuber Basha	Mr. Ch. Suresh Babu
Mr. N. Srinivasa Rao	Mr. E. Narendra
Mr. M. Srinivasa Rao	Mr. Ch. Kuthik
Mrs. Ch. Krishna Priya	Ms. K. Lakshmi Prasanna



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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 18-06-2020

Programme Report

Name of the Programme : A Two-Day International Conference on Computing "**NECICC2K16**"

Dates : 21st –22nd September 2016

Details of the Resource Person(s) /Session Chair :

Name : Dr.A.Sri Krishna
Designation : Professor, Dept. of IT
Organization : Shri Vishnu Engineering College for Woman
Phone No. : 8885605656
Mail-id : adusumallisrikrishna@gmail.com

Name : Dr.K.Madhavi
Designation : Professor, Dept. of CSE
Organization : JNTUA ,Anathapur
Phone No. : 8106514532
Mail-id : madhavi.k@gmail.com

Objective of the Programme :

- TO provide an Excellence opportunity to students and researcher to present their innovative ideas on computational field.
- The aim **NECICC2K16** of is to provide a platform where students, researchers, academics, professionals and industrialists can interact proactively and share their knowledge each other.

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Topics Covered :

- Cloud computing
- Cryptography & Network security
- E-commerce
- Mobile computing
- Data warehousing & Data mining
- Big Data

Outcome of the Programme : After attending this Conference the participates were able to refine define their subject knowledge through technical paper presentation & panel discussions.

No. of Participants : 50

Coordinator

(Dr.B.Jhansi Vazram)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA ENGINEERINGCOLLEGE(AUTRONOMOUS):NARASARAOPET

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

PROGRAMME REPORT

Name of the Programme : A five –day workshop on **Recent trends in IC Design using Mentor Graphics and EDA tools**

Date(s) : **18/11/2019 to 22/11/2019**

Resource Person(s) : **Mr.B.Naendra of CoreEL Technologies,**

Objectives of the Programme: Basics of ASIC Design

To know about current trends in Mentor Graphics and Xlinx

Simulation and Layout Entry

Post Layout Simulation

Topics Covered

Prerequisite for Mentor Graphics.

Basics of ASIC Design

What is Xlinx and its recent trends

Simulation of AC and DC analysis of Amplifiers by Xlinx

Post Layout Simulation

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NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS): : NARASARAOPET

Department of Electronics and Communication Engineering

PROGRAMME OUTCOME

Outcome of the Programme:. All the participants actively involved in learning the basics of e_Sim both software as well as hardware. It is a good experience to learn Simulation and design and implementation of a circuit using e_Sim.

No of Participants: 51

Coordinator

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A One-Week Faculty Development Program on "Design & Manufacturing on 3D Experience Platform"

Brochure

TOPICS TO BE COVERED:

Design & Manufacturing On 3D Experience	
No. of Days	Topics Covered
Day-1	Introduction to 3D Experience, CATIA Part Design
Day-2	CATIA Assembly Design & Mechanical Systems
Day-3	CATIA Advanced Surface Design
Day-4	DELMIA - Machining
Day-5	

IMPARTMENT DATES:
Last Date for Registration: **18th November, 2019**
Date of Confirmation: **18th November, 2019**

WHO SHALL PARTICIPATE:
The FDP is aimed at the multifaceted audience from industry, full time research scholars, PG students and academicians from various Engineering colleges of Mechanical Engineering Department.

ACCOMMODATION:
Paid Accommodation will be provided for outstation participants with prior request on nominal charges for limited numbers only.
Contact for Accommodation: 9985808908

NOTE: As the seats are limited, the selection is based on first come first serve basis.

CHIEF PATRON
Sri. Challa Madhusudan Reddy
Chairman - APSSDC
Dr. Arja Srikanth, IRTS
MD & CEO – APSSDC
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

PATRONS
Dr. Ravi Gujjula
Chief General Manager, Technical
APSSDC
Sri M. Ramesh Babu
Secretary, NEC Group.
Mr. Deepak NG
Industry Leader, Head Global Affairs-DS India Pvt.ltd
Mr. Rajiv Armadaka
CATIA-Brand Leader-DS India Pvt. Ltd

CO-PATRON
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE, FIE(I).
Principal.

CONVENOR
Dr. D. Suneel,
Professor, Dean (Academics)& HOD, Dept. of Mech.

CO-CONVENOR
Mr. K. Dinesh Tej
GT Technologies Pvt Ltd
Mr. M Venkannababu
Associate Professor, Dept. of Mech

ORGANIZING COMMITTEE
Mr. KYN Venkat , APSSDC
Mr. A. Abhilash Reddy, APSSDC
Mr. A.Satya Raj, APSSDC
Mr. M.Chandra Sekhara Reddy, APSSDC
Mr. A.Ramakrishna Reddy, APSSDC
Mr. S.Sagar Reddy, APSSDC

A One-Week Faculty Development Program On "DESIGN AND MANUFACTURING ON 3D EXPERIENCE PLATFORM"

19th–23rd November, 2019

by

APSSDC (Govt. of Andhra Pradesh)

In Association with

DASSAULT SYSTEMES
The 3DEXPERIENCE Company

Organized by

Department of Mechanical Engineering

NEC

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(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
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Phone : **08647-239923**
FAX : **08647-239902**
E-Mail : **mechhod@nrtec.ac.in**

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601

ABOUT THE COLLEGE:

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Six courses at B.Tech level in the branches EEE, CSE, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college.

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ABOUT APSSDC:

Andhra Pradesh State Skill Development Corporation (APSSDC) is a unique organization formed as a Public-Private Partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. The corporation is as a Section-8 company (not-for-profit) with a private equity component of 51% and 49% by Govt of AP. The Corporation now serves as the "Executive Agency" for the newly formed Department of Skill Development, Entrepreneurship, and Innovation.

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited twice by AICTE-NBA. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,. The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

ABOUT THE FDP:

The main objective of this program is to fill the gap between the industry and academic institutions to update their knowledge of engineering teachers. Aimed at imparting the knowledge on modelling using Dassault 3D experience software with hands on experience. CATIA is a platform to design, sketch, surfacing, drafting and assembling of the components. The platform has a wide variety of workbenches. The industrial engineering problems can be solved on DELMIA like Process planning, scheduling, routing, time study and flow study.

RESOURCE PERSONS:

1. **Mr. T Loknath, Design Engineer**
2. **Mr. A Rakesh, Design Engineer**

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Area of Research: _____

Accommodation required: Yes/No

No Registration Fee.

Signature of the Applicant

Note: The scanned copy of duly filled application form should be send to mechhod@nrtec.ac.in on or before 18-11-2019.

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____ is working in our institution / Organization and is here by sponsored to participate in FDP on "**DESIGN AND MANUFACTURING ON 3D EXPERIENCE PLATFORM**" at NarasaraopetaEngineering College, Narasaraopet.

Place
Date:

Signature of the HOD/ Head of the Institution

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.) A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:26-02-2018

PROGRAMME REPORT

Name of the Programme : A One-Week Faculty Development Program on "Design & Manufacturing on 3D Experience Platform"

Dates : 19th to 23th November, 2019

Details of the Resource Persons :

1 Name : Mr. T Loknath
Designation : Design Engineer
Organization : APSSDC
Phone No : 9259789952
Mail Id : loknathapssdc.ac.in

2 Name : Mr. A Rakesh
Designation : Design Engineer
Organization : APSSDC
Phone No : 9492258640
Mail Id : rakeapssdc.ac.in

Objective of the programme:

Over the past few decades, manufacturing has evolved from a more labor-intensive set of mechanical processes (traditional manufacturing) to a sophisticated set of information

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(AUTONOMOUS)
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Guntur (Dist.), A.P.

technology- based processes (advanced manufacturing). Thus, manufacturing industries today encompasses a dimension scale of more than fifteen orders of magnitudes. The design and manufacture of huge machinery, ship and space crafts on one side while nano and Pico technology on the other side of the dimension scale, highlights the challenges ahead for engineers and technologists. With the advancement of technology newer materials, energy sources, manufacturing technology, decision- making and management technique are being developed.

At the same time, newer challenges in the form of environmental and issues put stringent requirements on the technology. Global competitions, the thrust on quality and demand for higher productivity are the some of the challenges before the present industrial and manufacturing units. In view of the above, a nation should develop and update its infrastructure, such that the new and advanced technology gets into hand with the ongoing time.

Emergence of new materials has resulted in advanced technology of manufacturing being used in industry. The objective of the program is to expose the teachers to advanced manufacturing technology.

Topic Covered:

- Non-Conventional manufacturing methods
- Surface texture and manufacturing processes
- Cutting parameter optimization
- Rapid Prototyping
- Control systems in Advanced Manufacturing Methods

Outcome of the programme:

Now more than ever, manufacturing excellence depends on streamlining operations on the plant floor and throughout the product supply network. However, traditional factory Manufacturing Execution System (MES) solutions focus mainly on the plant floor, with minimal integration beyond the four walls or across business functions.

Today, manufacturers are using DELMIA Enterprise MES, or MOM, to transform their operations by automating, executing and managing the performance of business processes across the value chain. With DELMIA MES technology, you can achieve end-to-end integration of supply

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chain operations, full product traceability, real-time production management, and globally standardized manufacturing processes. Thanks to a single view of manufacturing processes and a single version of the truth, DELMIA solutions enable enterprises to elevate their operational excellence, creating more value not only for themselves but for their customers.

No. of participants: 40

Coordinator

HOD

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day FDP on Python Programming with Industry Perspective

BROCHURE

Global Winter Course on

Python Programming with Industry Perspective

On

2nd December 2019 to 6th December, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
csehod@nrtec.ac.in.
Any queries contact: +91-9849866902

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE, CSE, IT, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 Star Rating.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur District and is on the railway line of Guntur to Guntakal. Narasaraopet is 50km from Guntur and 25km to Chilakaluripet (NH5) by road. Narasaraopet is 120km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5km from Narasaraopeta Engineering College

Global Winter Course on

Python Programming with Industry Perspective

On

2nd December 2019 to 6th December, 2019

In Association
With
MNIT-JAIPUR

Organized
By
Department of Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA,
Three Recognized R&D centers by JNTUK
Phone : 08647-239912
FAX : 08647-239902
E-Mail : csehod@nrtec.ac.in

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extra-curricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D

OBJECTIVE OF SHORT TERM COURSE

This course is designed to provide an exposure to the fundamentals of Python Programming with Industry perspective. Participants will learn Introduction & basics of Python Programming, Decision Statements, Loop Control Statements, Functions, Strings, Lists and Dictionaries such as Tuples and Sets, File Handling, Pandas Data Handling and Use Cases and Machine Learning. Hands-on training and practice sessions will help participants gain confidence on Python concepts, their simulation and implementation including sessions. The course will be useful for faculty of engineering and sciences who are interested in the learning Python Programming with Industry perspective.

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Global Winter Course On "Python Programming with Industry Perspective" Modules

S.No.	Module Name
1	Introduction & basics of Python Programming
2	Decision Statements; Loop Control Statements; Functions, Strings
3	Lists and Dictionaries; Tuples and Sets; File Handling; Pandas
4	Data Handling and Use Cases
5	Machine Learning

Resource Persons:

1. Dr. Mani Madhukar,
   Program Manager,
   University Relations,
   IBM India Pvt. Ltd
2. Mr. Ishan Vaid,
   Trainer, IBM Partner
3. Dr. Pilli Emmanuel Shubhakar,
   MNIT J

The registration is for FREE; however, a Demand Draft (DD) or CBS-Cheque of Rs. 1000/-, payable to "Electronics & ICT Academy, MNIT Jaipur is required to register in the course. This DD/Cheque will be returned back to the participant upon course completion.

Chief Patron

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Vice-Chairman, NEC Group.

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Sri M.Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M Tech., Ph D (UK), MISTE, FIE (I)
Principal.

Convener

Dr. S. N Tirumala Rao,
Professor & Head Dept. of CSE

Coordinator

Dr. S.V.N Sreenivasu,
Professor in CSE

Co-Coordinators

Dr. B. Jhansi Vazram,
Professor.

Dr. S. Siva Nageswara Rao,
Associate Professor.

Dr. K.Laksiminadh
Associate Professor

Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

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(AUTONOMOUS)
NARASARAOPET - 522 601.

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 08-12-2019

Programme Report

Name of the Programme : A 5-day FDP on Python Programming with Industry Perspective

Dates : 02-12-2019 to 06-12-2019

Details of the Resource Person(s) :

1. Name : Dr. Mani Madhukar, Mr. Ishan Vaid, Dr.Pilli Immanuel Shubhakar
2. Designation : Program Manager University Relations, Trainer,
3. Organization : IBM india Pvt. Ltd., IBM Partner, MNITJ
4. Phone No. : 8520897089, 9908888518,9492468444
5. Mail-id : manimadhukar@gmail.com,ishan@gmail.com, immanuelshubhakar@gmail.com

Objective of the Programme : The course is design to provide an exposure to the fundamentals of python programming with industry perspective.

Topics Covered : i. Introduction & basics of Python Programming

ii. Decision Statements, Loop Control Statements, Functions, Strings

iii. Lists and Dictionaries, Tuples and Sets, File Handling, Pandas

iv. Data Handling and Use Cases

v. Machine Learning

Outcome of the Programme : Participants will learn introduction and basics of Python Programming, decision systems.

.No. of Participants : 43

Coordinator
(Ds. S V.N. Srinivasu)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

A Five-Day workshop on Deep Learning and Application

BROCHURE

Global Winter Course on

Deep Learning and Applications

On

9th December 2019 to 13th December, 2019

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
csehod@nrtec.ac.in.
Any queries contact: +91-9849866902

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE, CSE, IT, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

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Global Winter Course on

Deep Learning and Applications

On

9th December 2019 to 13th December, 2019

In Association
With
MNIT-JAIPUR

Organized
By
Department of
Computer Science & Engineering

NEC
NARASARAOPETA ENGINEERING COLLEGE
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Kotappakonda Road, Yellamanda (P.O)
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Principal
NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D

OBJECTIVE OF SHORT TERM COURSE

This course is designed to provide an expertise on Deep learning and Applications. Participants will learn the Overview of machine learning, Supervised and unsupervised learning , Artificial Neural Networks, Neural networks, Gradient Descent and the back propagation algorithms, Regularization and Optimization. Difference between typical machine learning and deep learning. Convolutional Neural Network (CNN), Convolution/Pooling layers, Activation maps, CNN as a feature extractor, Some Standard CNN architectures like AlexNet, VGGNet, GoogLeNet, ResNet and more recent networks Autoencoders (AEs), Undercomplete and Overcomplete AE, Convolutional AE, Regularization, Sparsely regulated AEs, Denoising and Stacked AE. Generative Adversarial Networks (GAN), Variants of GAN. Brief Introduction to Recurrent Neural Networks, LSTM, GRU and their applications in machine translation, language modelling and sentiment classification. Object detection algorithms, R-CNN, Faster R-CNN, YOLO and SSD. Hands on– Object detection.

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Global Winter Course On "Deep Learning and Applications" Modules

S.No.	Module Name
1	Introduction to Machine Learning and Artificial Neural Networks
2	Convolutional Neural Networks
3	Autoencoders and Generative Serial Networks
4	Recurrent Neural Networks
5	CNN Application to Classification and Detection Problems

Resource Persons:

Prof. Chakravarthy Bhagvati,
University of Hyderabad
Dr. Madan Dabbeeru,
Rakuten India, Bengaluru
Prof. Aparajita Ojha,
IIITDMJ
Dr. Santosh Vipparthi,
MNITJ
Prof. R. B. V. Subramanyam
NIT Warangal
Dr. Ramesh Battula
MNITJ

The registration is for FREE: However, a Demand Draft (DD) or CBS-Cheque of Rs. 1000/-, payable to "Electronics & ICT Academy, MNIT Jaipur is required to register in the course. This DD/Cheque will be returned back to the participant upon course completion.

Principal
NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Chief Patron
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B Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons
Sri M.V.Koteswara Rao B Sc.
Chairman, NEC Group.
Sri M.Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE ,FIE (I).
Principal.

Convener
Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE

Coordinator
Dr. S.V.N Sreenivasu,
Professor in CSE

Co-Coordinators
Dr. B. Jhansi Vazram,
Professor.
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. K.Lakshminadh
Associate Professor
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE
Ms. G. L. N. Jayaprada
Mr. K. Hazarathaiah
Ms. M. Sireesha
Mr. K.Suresh Babu
Mr. G.E.Sastry
Ms. Sd. Rizwana
Mr Sk.K.M.Basha
Ms. O Aruna
Mr. P.Lakshminarayana
Mr S.P.B.Chary

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 31-05-2019

Programme Report

Name of the Programme : A Five -Day Faculty Development Program on Deep Learning and Its Applications

Dates : 27-05-2019 to 31-05-2019

Details of the Resource Person(s) :

i. Name: Dr.Anupama Ray
Designation:. IBM,Project Manager
Organization: IBM
Phone number: 9701638737
Mail id:anu.ray@gmail.com

ii. Name: Dr.Ritu
Designation:. Intel,IISc Bangalore
Organization: Intel
Phone number: 9705921285
Mail id:ritu.u@gmail.com

iii. Name: .R.Venkatesh Babu
Designation:. Professor
Organization: IISc Bangalore
Phone number: 9542211636
Mail id:venkat.babu2@gmail.com

iv. Name: biplab Banerjee
Designation:. Professor
Organization: IIIT Bangalore
Phone number: 9010244128
Mail id:Banerjee.bip@gmail.com

v. Name: R.Balasubramanian

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Guntur (Dist.), A.P.

Designation:. Professor
Organization: IIT ROORKEE
Phone number: 9505418165
Mail id:balasubbu@gmail.com

vi. Name: Aparjitha Ojha
Designation:. Professor
Organization: IITDM Jabalpur
Phone number: 9032462141
Mail id:aparji.o@gmail.com

vii. Name: Partha Prathim
Designation:. Professor
Organization: IIT ROORKEE
Phone number: 9908866253
Mail id:partha.p@gmail.com

viii. Name: S.Vipparthi
Designation:. :. Professor
Organization: MINT Jaipur
Phone number: 8885177725
Mail id :vipparthi.s@gmail.com

Objectives of the Programme : The aim of Workshop is to provide a platform for Students, researchers and professionals in the area of computer vision, machine learning and deep learning using python programming.

Topics Covered :

i. Artificial Neural Networks
ii. Regularization, Hyper parameter Tuning and Auto encoders
iii. Convolutional Networks
iv. Sequence Modeling
v. Generative Adversarial Networks, Object detection Algorithms

Outcome of the Programme : The workshop will offer Basic training in python emerging and Programming, Analytics, Technology and scientific practice for research community members from developing countries.

No. of Participants : 43

Coordinator

(Dr.SV.N.Srinivasu)

HoD

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

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A Five-Day Short-Term course on "IOT Manufacturing"

Brochure

A Five day Short Term Course on "IoT in Manufacturing" During 6th – 10th January - 2020

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to

mechhod@nrtec.ac.in

Any queries contact: +91-9692464540

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited Thrice by NBA and ISO 9001: 2008 certified. The institute got awarded 'AAA' Ranking by CAREERS 360. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every-year.

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Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

A Five day Short Term Course On "IoT in Manufacturing" During 6th – 10th January - 2020

Organized By

Department of Mechanical Engineering

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,
ISO 9001: 2008 Certified.

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.) A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

ABOUT SHORT TERM COURSE

This course will enable the students to understand the transformation taking place, throughout the world, in design and manufacturing of products through IoT - a shift from paper-based processes to digital processes in the manufacturing industry. It will introduce the hands on implementation of smart connected systems design using Internet of Things, Cloud storage and industrial automation. Students can able to design the smart connected systems and can apply the appropriate technologies and protocols in their design and automation.

Programe objectives

- Introduction to Microcontrollers and Sensors.
- I/O control interface programming.
- Communication protocol implementation and testing using Microcontroller
- Configuring Wired/Wireless network interface to Microcontroller and programming.
- Configuring cloud database management and accessing.
- Sensors, Gateway and Cloud interface.
- Data analysis from cloud and reporting.

WHOM TO ATTEND

- Faculty from all disciplines

RESOURCE PERSON

Dr.B.S.Pabla, NITTTR -Kolkata.
Dr.S.S.Dhami, NITTTR -Kolkata
&Team of faculty from IIT's & NITs



IQAC

Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec.MBA (ISB)
Vice - Chairman, NEC Group

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Mr.P.Rajannna

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.) A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:08-01-2020

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "IOT Manufacturing"

Dates : 06th to 10th January, 2020

Details of the Resource Persons :

1. Name : Dr.B.S.Pabla,
   Designation : Professor
   Organization : NITTTR-kolkatta
   Phone No : 0172-2759525
   Mail.Id : bsp@nitttrchd.ac.in.
2. Name : Dr.S.S.Dhami.
   Designation : Assistant Professor, Mech
   Organization : NITTTR –Kolkata.
   Phone No : 0172-2759659
   Mail.Id : ssdhami@nitttrchd.ac.in.

Objective of the programme:

Industrial Internet of Things (IIoT) is going full throttle – increasing connectivity, generating data, and unlocking potential like never before. Now it's time to capitalize on the full

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power of this data. Altair knows how to take full advantage of data to fuel innovation, drive new opportunities, and accelerate your smart manufacturing transformation.

Topic Covered:

- Introduction to Microcontrollers and Sensors
- I/O control interface programming
- Communication protocol implementation and testing using Microcontrollers
- Configuring Wired/Wireless network interface to Microcontroller and programming.
- Configuring could database management and accessing
- Sensor, Gateway and Cloud interface
- Data analysis from cloud and reporting

Outcome of the programme:

IoT is the tool for integrating the physical and digital worlds. This kind of integration seemed impossible only decades ago, but has now penetrated all aspects of our life. The utilization of physical objects with embedded software connected to the network is prevalent across businesses due to the range of benefits it provides. For instance, industrial IoT technologies accelerate productivity, minimize downtime and make working conditions safer for employees, thus providing a competitive edge for companies.

No. of participants: 40

Coordinator **HOD**

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NARASARAOPET - 522 601
Guntur (Dist.), A.P.

A Five-Day workshop on Natural Language Processing

BROCHURE

Global Winter Course on

NATURAL LANGUAGE PROCESSING

On

6th January 2020 to 10th January, 2020

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to csehod@nrtec.ac.in.

Any queries contact: +91-9849866907

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE, CSE, IT, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 Star Rating

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur District and is on the railway line of Guntur to Guntakal. Narasaraopet is 50km from Guntur and 25km to Chilakaluripet (NH5) by road. Narasaraopet is 120km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5km from Narasaraopeta Engineering College

Global Winter Course on

NATURAL LANGUAGE PROCESSING

On

6th January 2020 to 10th January, 2020

In Association

With

MNIT-JAIPUR

Organized

By

Department of

Computer Science & Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Accredited 'A' Grade by NAAC, Accredited by NBA,

Three Recognized R&D centers by JNTUK

Phone : 08647-239912

FAX : 08647-239902

E-Mail : csehod@nrtec.ac.in

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extra-curricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D

OBJECTIVE OF SHORT TERM COURSE

This course is designed to provide an exposure to the Natural Language Processing. Participants will learn **Intro and Text Classification, Language Modeling and Sequence Tagging, Vector Space Models of Semantics, Syntactic Processing, Sequence to Sequence Tasks, Dialog Systems, Unification-based NLP and Semantics**

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Global Winter Course On "Natural Language Processing"

Module Details

S.No.	Module Name
1	**Intro and Text Classification**
2	**Language Modeling and Sequence Tagging**
3	**Vector Space Models of Semantics**
4	**Syntactic Processing**
5	**Sequence to Sequence Tasks**
6	**Dialog Systems**
7	**Unification-based NLP and Semantics**

Resource Persons:

1. Prof. Pushpak Bhattacharya, IITB
2. Dr. Asif Ekbal, IITP
3. Dr. Sriparna Saha, IITP
4. Dr. Atul Gupta, IIITDMJ
5. Dr. J. P. Singh, NITP
6. Dr. Namita Mittal, MNITJ

The registration is for FREE: however, a Demand Draft (DD) or CBS-Cheque of Rs. 1000/-, payable to "Electronics & ICT Academy, MNIT Jaipur is required to register in the course. This DD/Cheque will be returned back to the participant upon course completion.

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Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinator
Dr. S.V.N Sreenivasu,
Professor in CSE

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Associate Professor.
Dr. K.Lakshminadh
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Associate Professor

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NARASARAOPETA
NEC ENGINEERING COLLEGE
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Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 05-01-2020

Programme Report

Name of the Programme : A 5-day workshop on Natural Language Processing

Dates : 06-01-2020 to 10-01-2020

Details of the Resource Person(s) :

1. Name : Dr.Pushpak Battachari,
2. Designation : Professor
3. Organization : MNIT JAIPUR
4. Mail-id : pushpakbattachari@gmail.com

Objective of the Programme : To provide an overview of natural language processing (NLP) and modern NLP-system design

Topics Covered : Intro & Text classification, Language Modeling and Sequence Tagging, Vector Scale models on Semantics, Syntactic processing, NLP and Semantics.

Outcome of the Programme : The outcome of natural Language processing is perform large scale analysis & modeling

No. of Participants : 37

Coordinator

(Dr.S.V.N Srinivasu)

HoD

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A Five-Day Short-Term course on "Green Manufacturing"

Brochure

A Five day Short Term Course on "Green Manufacturing" During 3rd – 7th February - 2020

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to

mechhod@nrtec.ac.in

Any queries contact: +91-9692464540

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ABOUT THE COLLEGE

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Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

A Five day Short Term Course On "Green Manufacturing" During 3rd – 7th February - 2020

Organized By

Department of Mechanical Engineering

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
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Accredited 'A' Grade by NAAC, Accredited Twice by NBA,
Recognized R&D center by JNTUK,

Phone : 08647-239923
FAX : 08647-239902
E-Mail : mechhod@nrtec.ac.in

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(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

ABOUT SHORT TERM COURSE

The course aims to introduce and explain the design concepts, methods, tools and some technologies, and operations of sustainable lean and green manufacturing systems and processes. It also covers the assessment, audit, design and maintenance of sustainable green manufacturing products, processes, service systems, and leads towards the entire greening process of multi-lifecycle manufacturing operations, factories and their supply chains.

Course Content

- Green Manufacturing Design
- Statistical Techniques for Green Manufacturing
- Green Manufacturing Management
- Environment Sustainability and Impact Assesment
- Case Studies in Green Manufacturing Practice

WHOM TO ATTEND

- Faculty from Mechanical Engineering

RESOURCE PERSONS

Er. Sunil D. Jassal, NITTTR -Kolkata.
&Team of faculty from IIT's & NITs



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Program Report

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Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:09-002-2020

PROGRAMME REPORT

Name of the Programme : A Five-Day Short-Term course on "Green Manufacturing"

Dates : 03rd to 07th February, 2020

Details of the Resource Persons :

Name	: Er. Sunil D. Jassal
Designation	: Associate Professor, Mech
Organization	: NITTTR, Chandigarh-160019
Phone No	: +91-172-2759655
Mail.Id	: jassalsd@nitttrchd.ac.in

Objective of the programme:

The primary goal of green manufacturing is to conserve energy and prevent pollution. This is accomplished by reducing or completely removing hazardous substances produced as byproducts during the manufacturing process. Green manufacturing is the renewal of production processes and the establishment of environmentally-friendly operations within the manufacturing field. Green manufacturers research, develop, or utilize technologies and practices to lessen their impact on the environment. Connotation of Green manufacturing technology Green manufacturing

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is a modern manufacturing mode that comprehensively considers environmental impact and resource efficiency. Its goal is to coordinate and optimize economic benefits and social benefits of enterprises. The greenest of the green industries in Canada is getting ready for a very busy season. Landscape contractors, designers, maintenance firms, lawn care operators, irrigation contractors, retail garden centres, and nurseries across Canada are gearing up for what is anticipated to be one the busiest seasons in years. A green economy is an economy that aims at reducing environmental risks and ecological scarcities, and that aims for sustainable development without degrading the environment.

Topic Covered:

- Energy from renewable sources. Workers may generate electricity, heat, or fuel from renewable sources for use within their establishment.
- Energy efficiency.
- Pollution reduction and removal, greenhouse gas reduction, and recycling.
- Natural resources conservation.
- Use Circular Manufacturing to Save Energy and Reduce Waste.
- Implement Safety Measures by Utilizing Automation Tools, AI, IoT, and Cobots.
- Digitize Internal Communication.
- Implement Eco-friendly Products

Outcome of the programme:

Advanced manufacturing is the use of innovative technology to improve products or processes, with the relevant technology being described as "advanced," "innovative," or "cutting edge." Advanced manufacturing industries "increasingly integrate new innovative technologies in both products and processes.

The purpose of advanced manufacturing is to enhance output, increase the added value of products, improve the quality of products, and consolidate the resilience and flexibility to the market.

No. of participants: 22

Coordinator

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HOD

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.)

A Five-Day Short-Term course on "Recent Trends in Automobile Technology"

Brochure

A Five day Short Term Course on

"Recent Trends in Automobile Technology"

During

24th – 28th February - 2020

REGISTRATION FORM

Name:_____

Designation: _____

Mobile No.:_____

College Name: _____

E-Mail: _____

Experience:_____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to

mechhod@nrtec.ac.in

Any queries contact: 08647-239923

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In order to build a vibrant entrepreneurship ecosystem institute has MoU with **TiE** Hyderabad. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. The college has Dassault Systems 3D Experience Lab, Established in Collaboration with APSSDC. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has Institution Innovation Council approved by MHRD-IIC. The college is a member of Internshala-Internship Partner. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

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A Five day Short Term Course on

"Recent Trends in Automobile Technology"

During

24th – 28th February - 2020

Organized

By

Department of Mechanical Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
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ABOUT SHORT TERM COURSE

The aim of this course is to provide the overview of Recent Automobile Engine Technologies. Modern Automobile Engineering is advancing at rapid rate and a number of features are being added in modern automobiles. The advances pertain to mechanical, thermal, Electronics, Electrical as well as software. The course has been planned to give exposure to the Participants of the newer developments in this field.

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Programe objectives

- Over view of Engine Technologies
- New Engine Technologies for Performance and Emissions
- Exhaust Emissions and Analysis
- Electronic Control of Engines
- Alternative Fuels
- Performance and Emissions of Engine using alternate fuels
- Pure Electric and Hybrid Vehicles
- Case studies

WHOM TO ATTEND

- Faculty from all disciplines

RESOURCE PERSON

Dr. S.S. Banwait, NITTTR –Chandigarh.
Dr.S.S.Dhami, NITTTR – Chandigarh.
&
Team of faculty from IIT's & NIT's



Chief Patron

Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons

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Secretary, NEC Group

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M.Tech, Ph.D (UK), M.I.S.T.E, FIE (I)
Principal

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Ms. P. Sravani
Professor, Dept. of Mech.

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Ms.T.V. Deepthi
Mr.M.Venkaiah
Mr.P.SrinivasaRao
Mr.B.Rajiv kumar
Mr. K. John Babu
Mr.R.Ajay Kumar
Mr.P.Rajanna
Mr.B.V.Sravan Kumar
Mr.S.K.Bajan
Mr.G.Nagaraju
Mr.P.Sarath Chandra

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47.
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239005 Website:www.nrtec.in

Date: 01-03-2020

PROGRAMME REPORT

Name of the Programme : A Five Day Short Term Course on **"Recent Trends in Automobile Technology"**

Dates : 24th to 28th February, 2020

Details of the Resource Persons :

1. Name : Dr. S S Banwait
   Designation : Professor
   Organization : NITTTR Chandigarh
   Phone No : 0172-2759552
   Mail.Id : ssb@nitttrchd.ac.in
2. Name : Dr. Sukhdeep Singh Dhami
   Designation : Professor
   Organization : NITTTR Chandigarh
   Phone No : 0172-2759659
   Mail.Id : ssdhami@nitttrchd.ac.in.

Objective of the Programme:

- Over view of Engine Technologies
- New Engine Technologies for Performance and Emissions
- Exhaust Emissions and Analysis
- Electronic Control of Engines
- Alternative Fuels
- Performance and Emissions of Engine using alternate fuels
- Pure Electric and Hybrid Vehicles
- Case studies

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Topic Covered:

- Emergent Technologies to meet Future Emission Norms
- Alternative Fuels for Engines
- Automotive Sensors &ECU
- BS-VI Norms for Gasoline & Diesel Engines – Why & How?
- Manufacturing Trends in Automobile Industry
- Automotive Transmission- Design Optimization & Manufacturing
- RCCI Engines
- Recent Trends in Pre-Treatment and Surface Coating Solutions
- Autonomous Vehicles
- Post Combustion Emission Control Strategies to meet BS-VI Norms

Outcome of the programme:

- Technology has improved the safety, performance and efficiency of motor vehicles
- Advanced Driver Assist Systems
- Automatic Emergency Braking
- Connected Mobile Apps/Digital Key
- Teen Driver Technology
- Exit Warning to Protect Cyclists
- Wireless Smartphone Charging and Connectivity
- 360-Degree Camera
- Video Rear view Mirror

No. of participants: 22

Coordinator

HOD

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(AUTONOMOUS)
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Guntur (Dist.), A.P.

Convolutional Neural Networks, Image Classification, Object detection, Face and medical image recognition.

Topics Covered : 1. Introduction to DL and CV
2. Deep Learning Understanding and RNN and CNNs
3. Supervised Learning
4. Unsupervised Learning
5. Deep Learning Models with Keras and CNN Algorithm
6. Innovative CNNs with Medical Applications
7. GPU Computing for Multi–Lead ECG classification using CNN and Transfer Learning
8. Designing a Bio Signal preprocessing system for ECG, EEG and EMG Signals

Outcome of the Programme : Faculty gain the knowledge about Deep Learning models with keras, conventional neural networks , medical image recognition

No. of Participants : 145

Coordinator

(Dr.S.V.N.Sreenivasu)

HoD

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

STTP on "IOT APPLICATION DEVELOPMENT USING PYTHON"

(Smart Health Care)

Brochure

ONE WEEK NATIONAL LEVEL ONLINE STTP
ON
IoT APPLICATION DEVELOPMENT USING PYTHON
(Smart Health Care)
(23rd November – 28th November 2020)
Phase - III

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Signature of the Participant

Signature of the Head of the Institution

Last date for Registration:
22nd November 2020

Registration Fee: ***NIL***

Online meeting link will be provided through WhatsApp.
The number of Participants will be limited to 150

Eligibility
The STTP is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.
*Note: E- Certificates will be provided to those participants who attend all the sessions of the program and also appear for the online test as **per the norms of AICTE.**

ABOUT THE STTP

Faculty attending this STTP will be able to get a thorough understanding of widely accepted IoT frameworks and standards. They will be trained on advanced concepts and methodologies of IoT to design, build and deploy IoT solutions. The training also covers popular, service-rich cloud platforms and focuses on how to build and deploy IoT applications in designing monitoring and controlling smart health care devices and to provide timely medications and suggestions for patients. Practical use cases and case studies are included to ensure that the participants develop an ability to work through practical real life scenarios. The last STTP is in the domain of Industrial IoT (IIoT)

Topics to be covered:
- Introduction
- Healthcare Ecosystem
- Remote Patient Monitoring
- Challenges in Healthcare
- Mobile Health
- Blockchain in the context of IoT Healthcare
- Smart Hospitals
- Startup Case Study
- Smart Health Devices
- Robotics in Healthcare
- ML on IoT Healthcare

Registration link:

https://tinyurl.com/NecSttp3SmartHealthCare

For further details contact
Convenor
Dr. V Venkata Rao 9441127585
Coordinator
Dr. K.Sreenivasa Ravi 9492488055
Co-coordinators
Dr. K. Raju, 6281429537
Dr. B. Raghavaiah, 9247217357
Dr. A.V. Nageswararao, 9440664462

ONE WEEK NATIONAL LEVEL ONLINE STTP
ON
IoT APPLICATION DEVELOPMENT USING PYTHON
(Smart Health Care)
(23rd November – 28th November 2020)
Phase - III
Sponsored by AICTE

Organized by
Department of
Electronics & Communication Engineering

NEC
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada.
Accredited 'A' Grade by NAAC, Accredited by NBA.
www.nrtec.in
Phone: **08647-239914**
FAX: **08647-239902**
E-Mail: **ecehod@nrtec.in**

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

BOG QAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, CSE-AI, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college. In order to build a vibrant entrepreneurship ecosystem Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

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ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 1998 with an intake of 40 students in B.Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programs, M.Tech (Digital Electronics and Communi-cation Systems) which was started in the year 2004 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18 each. The department has a team of highly qualified, experienced and dedicated teaching faculty.

The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the art equipment and latest software. The UG programme of the department is accredited thrice by NBA. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department has vibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design of various applications to fulfill the needs of industry. The department encourages faculty members and research scholars to carry out their research.

RESOURCE PERSONS

Dr.A. Srinath,
Professor K L Deemed to be University, AP India

Dr. K Sridhar Patnaiak
Associate Professor, BIT, Mesra

Dr Rashmi Ranjan Rout,
Associate Professor, NIT Warangal

Dr. Vandana C. Bagal
Head & Associate Professor
KK Wagh Institute of Engineering Education and Research, Nashik, Maharashtra

Mr, P. Madhusudhana Rao, MD,
madBlocks Technologies Pvt Ltd, Hyderabad

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I)
Principal.

Convenor
Dr. V. Venkata Rao, Professor & Head

Coordinator
Dr. K. Sreenivasa Ravi
Professor, Dept. of ECE

Co-coordinators
Dr. K. Raju, Professor
Dr. B. Raghavaiah, Professor
Dr. A.V. Nageswararao, Associate Professor,

Organizing Committee

Prof. J. V. K Ratnam	Mr. M. Srinivasa Rao
Prof. P .S.S.Chakravarthi	Mrs. B. Suneetha
Mr. J. Narasimha Rao	Mrs. T. Indira
Mr. A. Charles Stud	Mr. A. Raveendra Babu
Mr. V. Naveen Raja	Mr. T. Ravi Kanth
Mr. G. Srinivasa Rao	Mrs. P. Vasanthi
Mr. P. Bhagya Raju	Mr. N. Rajeev Reddy
Mr. Y. V. Lakshmaiah	Mr. Ch. Suresh Babu
Mr. Sk. Zuber Basha	Mr. E. Narendra
Mr. N. Srinivasa Rao	Mr. Ch. Karthik
Mr. V. Rama Krishna Reddy	



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NARASARAOPET ENGINEERING COLLEGE
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NARASARAOPET-522 601

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 02.12.2020

PROGRAM REPORT

Name of the Program : ONE WEEK NATIONAL LEVEL ONLINE STTP ON IoT APPLICATION DEVELOPMENT USING PYTHON (Smart Health care)

Dates : 23rd November – 28th November 2020

Details of the Resource Person :

Name : **Dr.A. Srinath**
Designation : Professor
Organization : K L Deemed to be University, AP India
Phone No : +91- 9000364455
Mail id : srinath@kluniversity.in

Name : Dr. K Sridhar Patnaiak
Designation : Associate professor
Organization : BIT Mesra.
Phone No : +91-9431187489
Mail id : kspatnaik@bitmesra.ac.in

Name : Dr Rashmi Ranjan Rout
Designation : Associate Professor
Organization : NIT, Warangal.
Phone No : +91- 08332969418
Mail id : rashrr@nitw.ac.in

Name : Dr. Vandana C. Bagal
Designation : Head & Associate Professor
Organization : KK Wagh Institute of Engineering Education and Research, Nashik, Maharashtra
Phone No : +91- 8378970452
Mail id : vcbagal@kkwagh.edu.in

Name : Mr. Madhu Parvathaneni
Designation : Director

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NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Organization: madBlocks Technologies Pvt Ltd.
Phone No : +91- 9133393180
Mail id : director@madblocks.tech

Objectives of the Program :

- To provide a structured approach to develop Healthcare Ecosystem
- Designing a work plan mobile health and to cater the needs of challenges.
- To systematically monitor progress towards a target
- To set the stage for measuring performance and identifying opportunities for improvement using Block chain technology
- To succinctly communicate intended impact and current progress to smart health devices.
- To concretely describes how goals will be met using ML on IoT health care.

Topics covered :

- Introduction
- Healthcare Ecosystem
- Remote Patient Monitoring
- Challenges in Healthcare
- Mobile Health
- Blockchain in the context of IoT Healthcare
- Smart Hospitals
- Startup Case Study
- Smart Health Devices
- Robotics in Healthcare
- ML on IoT Healthcare

Outcome of the Program :

- Knowledge on IoT, IoT Architecture in Healthcare, Python, Basic Syntaxes, Modules, Functions
- Blockchain ,Blockchain in the context of IoT Healthcare
- Micro Python, NodeMCU, Syntaxes, Sensors and Hardware
- Smart Hospitals Demos on Raspberry Pi, Google Colab
- Healthcare Monitoring System
- Robotics in Healthcare

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

- Machine Learning Case Study
- Implementation of ML on IoT Healthcare
- Remote Patient Monitoring System
- Practical IoT Application Development

No.of Participants :96

Coordinator

HOD

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
MARASARBOPETA ENGINEERING COLLEGE

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Principal
MARASARBOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A 6-day Short Term Training Programme(STTP) on Deep Learning for Computer Vision Medical Applications (Series-2)

BROCHURE

Course Content:

- Introduction to Deep Learning
- Introduction to Computer Vision
- Features of Deep Learning for Computer Vision
- Deep Learning Models with Keras
- Image Data Preparation
- Convolutional Neural Networks
- Image Classification
- Object Detection
- Face and Image recognition
- Medical Applications Implemented in Deep Learning for Computer Vision

Resource Persons:

1. **Prof. R.B.V. Subramaanyam,**
   Professor in CSE& Chief Investigator E& ICT Academy, NITW
2. **Dr. M. Srinivas,**
   Asst. Professor in CSE, NITW
3. **Dr Nikhel Marriwala,**
   Professor in ECE,
   Kurukshetra University
4. **Dr. G. Rama Murthy,**
   Professor in CSE,
   Mahindra University
5. **Dr. K. Uma Pavan Kumar**
   Professor & Head, MLRIT
6. **Dr. S.V.N. Sreenivasu,**
   Professor, NEC
7. **Dr. P.Natesan,**
   Professor, KEC,Erode
8. **Mr A.Durga Shiva Prasad,**
   SAK Informatics, Hyderabad

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI) ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 and 1/2 Star Rating

A Six Day

Short Term Training Programme

(STTP)

On

DEEP LEARNING FOR COMPUTER VISION MEDICAL APPLICATIONS

(Series-2)

On

31st November to 5th December 2020

Sponsored by

AICTE-AQIS Scheme

Organized

By

Department of

Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Thrice Accreted By NBA and Accreted By NAAC

(Approved By AICTE, New Delhi, Permanently Affiliated To JNTUK, Kakinada)

Kotappakonda Road, Yallmanda Village,

NARASARAOPET, GUNTUR DIST, A.P.

www.nrtec.in, Email: csehod@nrtec.in

Ph: 08647 239905

Fax: 08647 239902

Principal

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE, DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year.

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Objective of STTP

STTP is focused on the Deep learning for Computer vision and development of medical applications that includes hands on sessions in the area of Deep Learning Models with keras, Image Data Preparation, Convolutional Neural Networks, Image Classification, Object detection, Face and medical image recognition

Target Audience:

* Faculty members
* Research Scholars
* Industry
* Professionals

Guidelines:

- A test shall be conducted by organizing committee at the end of the program.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

IMPORTANT DATES:

***** NO REGISTRATION FEE*****

- Last date for Registration: 28/11/2020
- Intimation to Participants: 29/11/2020
- Registration is based on

"First Come First Serve Basis"

Registration Link :

https://forms.gle/Ffv61h184srYFF4e9

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar,
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinator

Dr. S.V.N Sreenivasu,
Professor in CSE

Co-Coordinators

Dr. B. Jhansi Vazram,
Professor.
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. K.Lakshminadh,
Associate Professor
Dr. M. Venkata Reddy,
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Ms. M. Sireesha**
Mr. K.N. Rao	**Ms. O Aruna**
Mr Sk.K.M.Basha	**Ms. Ch.Kamala**
Mr. P.Lakshminarayana	**Mr S.P.B.Chary**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Mr K.Satyam Reddy	**Ms. T.Rupa.**
Mr G.Lakshminarayana	
Ms. S.Chaitanya Bharathi	

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,

Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution

Phone : 08647-239905 Website: www.nrtec.in

Date: 07-12-2020

Programme Report

Name of the Programme : A 6-day Short Term Training Programme(STTP) on Deep Learning for Computer Vision Medical Applications (Series-2)

Dates : 30-11-2020 to 05-12-2020

Details of the Resource Person(s) :

I. Name , Designation , Organization , Phone & Mail-id :

1. Prof. R.B.V. Subramaanyam, Professor in CSE& Chief Investigator E& ICT Academy, NITW, 9491346969, rbvs66@gmail.com
2. Dr. M. Srinivas, Asst. Professor in CSE, NITW, 8897064421, msv@nitw.ac.in
3. Dr Nikhel Marriwala, Professor in ECE, Kurukshetra University, 9416668482, nmarriwala@kuk.ac.in
4. Dr. G. Rama Murthy, Professor in CSE, Mahindra University, 9676719686, rama.murthy@mahindrauniversity.edu.in
5. Dr. K. Uma Pavan Kumar , Professor & Head, MLRIT, 9705245285, dr.kethavarapu@gmail.com
6. Dr. S.V.N. Sreenivasu, Professor, NEC, 9849866902, drsvnsrinivasu@gmail.com
7. Dr. P.Natesan, Professor, KEC,Erode, 9443840665,natesanp@kongu.ac.in
8. Mr A.Durga Shiva Prasad, SAK Informatics, Hyderabad, 9493070969,durgashivaprasadannam@gmail.com

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Objectives of the Programme : FDP is focused on the Deep learning for Computer vision and development of medical applications that includes hands on sessions in the area of Deep Learning Models with keras, Image Data Preparation, Convolutional Neural Networks, Image Classification, Object detection, Face and medical image recognition.

Topics Covered : 1. Introduction to ML, DL and CV and Applications
2. ML and DL Algorithms, Applications on Medical Data
3. Supervised Learning
4. Unsupervised Learning
5. ANN Basics, FF Networks
6. CONVOLUTIONAL ASSOCIATIVE MEMORY
7. Cloud Based Real- Time Internet of Things Designusing LabVIEW
8. GPU programming

Outcome of the Programme : Faculty gain the knowledge about Deep Learning models with keras, conventional neural networks , medical image recognition

No. of Participants : 114

Coordinator

(Dr.S.V.N.Sreenivasu)

HoD

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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

STTP on "IOT APPLICATION DEVELOPMENT USING PYTHON" (IIOT)

Brochure

ONE WEEK NATIONAL LEVEL ONLINE STTP
ON
IoT APPLICATION DEVELOPMENT USING PYTHON PHASE - IV (INDUSTRIAL IoT)
(7th December – 12th December 2020)

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Signature of the Participant

Signature of the Head of the Institution

Last date for Registration:
6th December 2020

Registration Fee: ***NIL***

Online meeting link will be provided through WhatsApp.
The number of Participants are limited to 150

Eligibility
The STTP is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.
*Note: E- Certificates will be provided to those participants who attend all the sessions of the program and also appear for the online test as **per the norms of AICTE.**

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ABOUT THE STTP

Faculty attending this STTP will be able to get a thorough understanding of widely accepted IoT frameworks and standards. They will be trained on advanced concepts and methodologies of IoT to design, build and deploy IoT solutions. The training also covers popular, service-rich cloud platforms and focuses on how to build and deploy IoT applications in designing monitoring and controlling operations in different industrial applications. Practical use cases and case studies are included to ensure that the participants develop an ability to work through practical real life scenarios.

Topics to be covered:

- Introduction
- Remote PLC
- IoT in Packaging
- Maintenance
- Smart Logistics Management
- Security
- Smart Transport
- Easy Quality Control
- Smart Vehicles
- Startup Case Study

Registration link:

https://tinyurl.com/NecIndustrialIoTRegistration

For further details contact

Convenor
Dr. V Venkata Rao 9441127585
Coordinator
Dr. K.Sreenivasa Ravi 9492488055
Co-coordinators
Dr. K. Raju, 6281429537
Dr. B. Raghavaiah, 9247217357
Dr. A.V. Nageswararao, 9440664462

ONE WEEK NATIONAL LEVEL ONLINE STTP
ON
IoT APPLICATION DEVELOPMENT USING PYTHON PHASE-IV (INDUSTRIAL IoT)
(7th December – 12th December 2020)

Sponsored by AICTE

Organized by
Department of
Electronics & Communication Engineering

NEC
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
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www.nrtec.in
Phone: **08647-239914**
FAX: **08647-239902**
E-Mail: **ecehod@nrtec.in**

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NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601
Guntur (Dist.), A.P.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, CSE-AI, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college. In order to build a vibrant entrepreneurship ecosystem Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

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ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 1998 with an intake of 40 students in B.Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programs, M.Tech (Digital Electronics and Communi-cation Systems) which was started in the year 2004 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18 each. The department has a team of highly qualified, experienced and dedicated teaching faculty.

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RESOURCE PERSONS

Dr. G.Rama Murthy, Professor
Mahindra University, Hyderabad
Dr. Ananda Kumar Subramanian, Assoc. Professor
VIT- University, Vellore
Mr. J. Narasimham, Retd. Scientist, BHEL
Entrepreneur
Mr. C. Sudhakar, Retd. Professor & Retd. AGM
Andhra Bank, Hyderabad
Mr. P. Madhusudhana Rao, MD,
Orange Research Labs , Hyderabad
Smt. Archana Rao, Director & CEO
Orange Research Labs, Hyderabad

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

Patrons
Sri M.V. Koteswara Rao B.Sc.
Chairman, NEC Group.
Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron
Dr. M. Sreenivasa Kumar
M.Tech., Ph.D. (UK), MISTE., FIE(I).
Principal.

Convenor
Dr. V. Venkata Rao, Professor & Head

Coordinator
Dr. K. Sreenivasa Ravi
Professor, Dept. of ECE

Co-coordinators
Dr. K. Raju, Professor
Dr. B. Raghavaiah, Professor
Dr. A.V. Nageswararao, Associate Professor,

Organizing Committee

Dr. Shaik Bajid Vali	Mr. N. Srinivasa Rao
Dr. Amit Gupta	Mr. V. Rama Krishna Reddy
Dr. R Samba Siva Nayak	Mr. M. Srinivasa Rao
Prof. J. V. K Ratnam	Mrs. B. Suneetha
Prof. P .S.S.Chakravarthi	Mrs. T. Indira
Mr. J. Narasimha Rao	Mr. A. Raveendra Babu
Mr. A. Charles Stud	Mr. T. Ravi Kanth
Mr. V. Naveen Raja	Mrs. P. Vasanthi
Mr. G. Srinivasa Rao	Mr. N. Rajeev Reddy
Mr. P. Bhagya Raju	Mr. Ch. Suresh Babu
Mr. Y. V. Lakshmaiah	Mr. E. Narendra
Mr. Sk. Zuber Basha	Mr. Ch. Karthik



PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date:15.12.2020

PROGRAM REPORT

Name of the Program : ONE WEEK NATIONAL LEVEL ONLINE STTP ON IoT APPLICATION DEVELOPMENTUSING PYTHON PHASE-IV(INDUSTRIAL IoT)

Dates : 7th December – 12th December 2020

Details of the Resource Person :

Name : Dr.Rama Murthy G
Designation : Professor
Organization : Mahindra University, Hyderabad
Phone No : 040-67135232
Mail id : rama.murthy@mechyd.ac.in

Name : **Dr. Ananda Kumar Subramanian**
Designation : Associate professor
Organization : VIT- University, Vellore
Phone No : +91-9431187489
Mail id : s.anandakumar@vit.ac.in

Name : **Mr. J. Narasimham, Retd**
Designation : **Scientist**
Organization : **BHEL.**
Phone No : +91- 9885658489
Mail id : narasimhaj01@gmail.com

Name : **Mr. C. Sudhakar**
Designation : Retd. Professor & Retd. AGM
Organization : Andhra Bank, Hyderabad
Phone No : +91- 9431584043
Mail id : chisudhakar@gmail.com

Name : Mr. P. Madhusudhana Rao, MD
Designation : M.D
Organization : Orange Research Labs, Hyderabad.
Phone No : +91- 9396553329
Mail id : md@ orangeresearchlabs.com/

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(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

Name : Smt. Archana Rao
Designation : Director & CEO
Organization: Orange Research Labs, Hyderabad.
Phone No : +91- 9133393180

Objectives of the Program :

- Participants will learn the new evolution in hardware, software, and data.
- While the promise of the Industrial Internet of Things (IIoT) brings many new business prospects.
- presents significant challenges ranging from technology architectural choices to security concerns.
- Aacquire upcoming Industrial IoT
- Roadmap to the Connected World Course offers important insights on overcoming the challenges and thrive in this exciting space.

Topics covered :

- Introduction
- Remote PLC
- IoT in Packaging
- Maintenance
- Smart Logistics Management
- Security
- Smart Transport
- Easy Quality Control
- Smart Vehicles
- Startup Case Study

Outcome of the Program :

- Knowledge on IIoT Applications and Research Challenges
- Application of IoT on Global Environmental Industry
- Interfacing of Arduino H/W with Industrial IoT to cater the needs of Cyber Physical Systems:
- Application of IoT Thingspeak Cloud with Micropython
- Explore the Challenges of Industrial Internet of Things IIoT in Industry
- Programming of Micropython on ESP32 and AWS IoT Core using Python
- Fundamental concepts of Security Aspects in with IIoT

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NARASARAOPET - 522 601,
Guntur (Dist.), A.P.

- Application of ML Implementation on IoT Data and Blockchain Implementation on IoT Data

No.of Participants :103

K.S. Phani
Coordinator

HOD

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DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522

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NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

AICTE SPONSORED STTP

on

"ADVANCES IN REMOTE SENSING AND ITS APPLICATIONS"

Brochure

ONE WEEK NATIONAL LEVEL ONLINE STTP ON

ADVANCED REMOTE SENSING-2

REGISTRATION FORM

Name: _____

Designation: _____

Mobile: _____

College Name: _____

E-Mail: _____

Registration Fee: Nil.

Signature of the Participant

Signature of the Head of the Institution

Last date for Registration: 12th December 2020

Registration Fee: ***NIL***

Online meeting link will be provided through WhatsApp.
The number of Participants will be limited to 150

Eligibility
The STTP is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations from all over country.
*Note: E- Certificates will be provided to those participants who attend all the sessions of the program and also appear for the online test as **per the norms of AICTE.**

ABOUT THE STTP

Faculty attending this STTP will be able to get a thorough understanding of Geographic Information System (GIS) Technology. They will be trained on advanced concepts and methodologies of Remote Sensing to design, build and deploy GIS. The training also covers popular, advances in the miniaturization of instrumentation systems and focuses on how to build and deploy GIS. Practical use cases and case studies are included to ensure that the participants develop an ability to work through practical real life scenarios. The other STTP is on Mathematical Morphology in Processing and Analysis of Digital Elevation Models. The dates for the other STTP will be informed later.

Topics to be covered:

- Hyper spectral imagery satellites and their applications
- GPS application in hyper spectral remote sensing
- Innovative approaches in Remote Sensing
- Deep Learning for Remote Sensing
- Open Geospatial Data Sources & Tools
- Google Maps APIs for data, Info, map Sharing
- Epicollect5 - field data collections (Hands on)
- Deep learning from basics to case studies
- Wireless Sensor Network based IoT applications
- IoT in agriculture with Hands on

Registration link:
https://tinyurl.com/NecSttpARS2Registration
For further details contact

Convenor
Dr. V Venkata Rao 9441127585

Coordinator
Dr. A.V. Nageswararao 9440664462

Co-coordinators
Dr. K. Sreenivasa Ravi, Professor
Dr. K. Raju, Professor
Dr. B. Raghavaiah, Professor

ONE WEEK NATIONAL LEVEL ONLINE STTP

ON

ADVANCED REMOTE SENSING-2

(14th December– 19th December 2020)

Sponsored by AICTE

Organized by
Department of
Electronics & Communication Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA.

Phone: **08647-239914**
FAX: **08647-239902**

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, CSE-AI, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college. In order to build a vibrant entrepreneurship ecosystem Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

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ABOUT THE DEPARTMENT

The **Department of Electronics and Communication Engineering** was started in the year 1998 with an intake of 40 students in B.Tech. programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programs, M.Tech (Digital Electronics and Communication Systems) which was started in the year 2004 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18 each. The department has a team of highly qualified, experienced and dedicated teaching faculty.

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RESOURCE PERSONS

1. **Dr. G. Rama Murthy, Professor, Mahindra University, Hyderabad**
2. **Dr. V. Rajesh Chowdhary, Associate Professor Head-Research & Development, International Institute of Information Technology, Pune**
3. **Dr. N. Pappa, Professor & HoD, Instrumentation Dept, MIT, Chennai**
4. **Dr. Sabitha Ramakrishnan, Instrumentation Dept, MIT, Chennai**
5. **Dr. Bharati Bidakar, Research Analyst, ECE Dept, AUCE, Andhra University**
6. **Mr. P. MadhusudhanaRao, MD, madBlocks Technologies Pvt. Ltd., Hyderabad**

Chief Patron
Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

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Dr. B. Raghavaiah, Professor

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Dr Amit gupta	Mr. Sk. Zuber Basha
Dr Sk Bajid Vali	Mr. N. Srinivasa Rao
Dr Sambasiva Nayak	Mr. V. Rama Krishna Reddy
Prof. J. V. K Ratnam	Mr. M. Srinivasa Rao
Prof. P .S.S.Chakravarthi	Mrs. B. Suneetha
Mr. J. Narasimha Rao	Mrs. T. Indira
Mr. A. Charles Stud	Mr. A. Raveendra Babu
Mr. V. Naveen Raja	Mr. T. Ravi Kanth
Mr. G. Srinivasa Rao	Mr. N. Rajeev Reddy
Mr. P. Bhagya Raju	Mr. E. Narendra



Principal

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NARASARAOPET - 522 601.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 25.12.2020

PROGRAM REPORT

Name of the Program : ONE WEEK NATIONAL LEVEL ONLINE STTP ON ADVANCED REMOTE SENSING-2

Dates : 14th December– 19th December 2020

Details of the Resource Person :

Name : Dr.Rama Murthy G
Designation : Professor
Organization : Mahindra University, Hyderabad
Phone No : 040-67135232
Mail id : rama.murthy@mechyd.ac.in

Name : Dr. V. Rajesh Chowdhary
Designation : Associate professor
Organization : Head-Research & Development,IIIT, Pune
Phone No : +91 8459557727
Mail id : ppcrc@isquareit.edu.in

Name : Dr. N. Pappa
Designation : Professor & HoD
Organization : Instrumenta-tion Dept, MIT, Chennai
Phone No : 044-22516036,9962560646
Mail id : npappa@annauniv.edu

Name : Dr. Sabitha Ramakrishnan
Designation : Associate professor
Organization : Instrumentation Dept, MIT, Chennai
Phone No : +91- 9789977989
Mail id : sabitha.ramakrishnan@annauniv.edu

Name : Dr. Bharati Bidakar
Designation : Research Analyst
Organization: ECE Dept, AUCE, Andhra University
Phone No : +91- 8500256562
Mail id : bhabidakar@gmail.com

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(AUTONOMOUS)
NARASARAOPET - 522 601.

Name : Mr. P. Madhusudhana Rao, MD
Designation : M.D
Organization : madBlocks Technologies Pvt. Ltd
Hyderabad
Phone No : +91- 9396553329
Mail id : md@ orangeresearchlabs.com/

Objectives of the Program :

- To provide exposure in gaining knowledge on concepts and applications leading to modeling of earth resources management using Remote Sensing
- To acquire skills in storing, managing digital data for planning and development.
- To acquire skills in advance techniques such as hyper spectral, thermal scanning for mapping, modeling and monitoring.
- To undertake, promote, guide, coordinate and aid research and development in the field of remote sensing.

Topics covered :

- Hyper spectral imagery satellites and their applications
- GPS application in hyper spectral remote sensing
- Innovative approaches in Remote Sensing
- Deep Learning for Remote Sensing
- Open Geospatial Data Sources & Tools
- Google Maps APIs for data, Info, map Sharing
- Epicollect5 - field data collections (Hands on)
- Deep learning from basics to case studies
- Wireless Sensor Network based IoT applications
- IoT in agriculture with Hands on

Outcome of the Program :

- Fully equipped with concepts, methodologies and applications of Remote Sensing Technology.
- Acquire skills in handling instruments, tools, techniques and modeling while using Remote Sensing Technology
- Knowledge on Hyper spectral imagery satellites and their applications
- Explore the GPS application in hyper spectral remote sensing
- Innovative approaches in Remote Sensing

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- Examine Deep learning from basics to case studies
- Explore Open Geospatial Data Sources & Tools
- Knowledge on Google Maps APIs for data, Info, map Sharing & Epicollect5 - field data collections (Hands on)
- Application of IoT in agriculture with Hands on

No.of Participants :95

Coordinator

HOD

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20-21

A 5-day ATAL FDP on Augmented Reality/ Virtual Reality

BROCHURE

Course Content:

- Introduction to AR & VR, History
- Overview of AR/VR with Real Applications
- Hands-on session on AR/VR Tools
- Introduction to Unity Architecture
- Unity Software Installation, Configuration, • Working Environment in Unity

Resource Persons from reputed Industries and Academic Institutions will deliver lectures on AR/VR Technology & its Applications in various domains. Hands-on Sessions on 3D modeling software, AR/VR Development kit etc will be conducted

Any Information Contact:

Dr S.V.N.Sreenivasu,

Coordinator, Atal FDP

Mobil 9849866902,

Email:drsvnsrinivasu@gmail.com



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In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 and 1/2 Star Rating

AICTE ATAL NEC

A Five Day ATAL Online

Faculty Development Programme

On

AUGUMENTED REALITY & VIRTUAL REALITY

4th January 2021 to 8th January 2021

In Association with AICTE Training & Learning (ATAL) Academy

Organized

By

Department of
Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Thrice Approved By NBA and Twice Approved By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallmanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.) A.P.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE, MNIT, JAIPUR, NITTTR, Kolkata and Chandigarh in every year

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Objective of Atal FDP

FDP is focused on the Deep learning for Computer vision and development of medical applications that includes hands on sessions in the area of Deep Learning Models with keras, Image Data Preparation, Convolutional Neural Networks, Image Classification, Object detection, Face and medical image recognition

Registration:

- The faculty members of the AICTE Approved institutions, PG & Research scholars from Government, Industry can participate in this FDP.
- Number of participants is limited to 200
- To register, please visit : https://atalacademy.aicte-india.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the program.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

IMPORTANT DATES:

- Last date for Registration: 02/01/2021
- Intimation to Participants: 03/01/2021

Chief Patron

Sri M.S.Chakravarthi
B.Tech. MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M.Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinator

Dr. S.V.N Sreenivasu,
Professor in CSE

Co-Coordinators

Dr. B. Jhansi Vazram,
Professor.
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. K.Lakshminadh
Associate Professor
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Ms. M. Sireesha**
Mr. K.N. Rao	**Ms. O Aruna**
Mr Sk.K.M.Basha	**Ms. Ch.Kamala**
Mr. P.Lakshminarayana	**Mr S.P.B.Chary**
Mr K.V.Narasimha Reddy	**Mr Y.Suresh**
Mr K.Satyam Reddy	**Ms. T.Rupa.**
Mr G.Lakshminarayana	
Ms. S.Chaitanya Bharathi	

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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

20-21

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 10-01-2021

Programme Report

Name of the Programme : A 5-Day ATAL FDP on Augmented Reality/ Virtual Reality.

Dates : 04-01-2021 to 08-01-2021

Details of the Resource Person(s) :

i. Name: Rahul Puri
Designation: R&D Team
Organization: Anvira Edustation
Phone number: 8668453256
Mail id: rahulpuri@anviraedustation.com

ii. Name: Rahul Thakur
Designation: R&D Team
Organization: Anvira Edustation
Phone number: 8888051718,
Mail id: rcp@anviraedustation.com

iii. Name: Maitrish Ghosh
Designation: R&D Team
Organization: Anvira Edustation
Phone number: 8286374548
Mail id: anviraedustation@gmail.com

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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A 5-day online ATAL FDP on Cyber Security

BROCHURE

Course Content:

- Introduction to Network Security Tools.
- Packet Capturing and Spoofing
- Web Application Security- Sql Injection, Session Hijacking, Cross Site Scripting.
- Metasploit Part 1, Metasploit Part 2
- Wireless Attacks
- Reconnaissance 1 - Dns Scanning, Port Scanning, Reconnaissance 2- Target Web Site Content Grabbing, Services Scanning, etc.

Resource Persons:

1. **Dr. V. Valli Kumari -**
   Prof. of CS&SE, Andhra University
2. **Dr. L. Sumalatha –**
   Professor of CSE & DE, JNTUK
3. **Dr. A S N Chakravarthy -**
   Professor & Head Dept. of CSE, JNTUCEV
4. **Dr. Durgesh Kumar Mishra –**
   Professor of CSE & Director, AIT, INDORE
5. **Dr. Ravi Kiran Varma P –**
   Assoc.Prof & Head Dept. Of CSE, MVGRCE
6. **Dr. Anne Venkata Praveen Krishna –**
   Professor, Dept. Of CSE, KL University
7. **Mr. Anand K –**
   CEO, STAR Computers, Visakhapatnam
8. Dr. Nikhil Marriwala
   Prof & Head Dept. Of ECE, Kurukshetra University
9. **Dr. M. Sreenivasa Kumar**
   Principal,
   Narasaraopeta Engineering College

IMPORTANT DATES:

- **Last date for Registration: 06/02/2021**
- **Intimation to Participants: 06/02/2021**

Any Queries Contact:
Dr. B. Jhansi Vazram, Coordinator,
Mobile 9908888519,
Email:jhansi.bolla@gmail.com

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence(COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

A Five Day ATAL Online
Faculty Development Programme

On

CYBER SECURITY

8th – 12th February 2021

In Association with AICTE Training & Learning (ATAL) Academy

Organized

By

Department of
Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

Principal

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE,DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year

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Objective of ATAL FDP

Cyber Security awareness is one of the most important aspects that everyone must handle in their day to day operations. This online FDP will discuss and demonstrate how technology becomes vulnerable to cybercrime and how hackers exploit technological systems. Hands-on sessions will explore the depth of knowledge in Cyber Security.

This Programme provides an opportunity to perform research in the area of Cyber Security. The Programme also tends to provide a forum for academic experts, industry experts and research scholars to exchange and share their experiences and innovations about all aspects of Cyber Security

Registration:

- The faculty members of the AICTE Approved institutions, PG & Research scholars from Government, Industry can participate in this FDP.
- Number of participants is limited to 200
- To register, please visit : https://atalacademy.aicte-india.org/signup
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:.

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test:
- Last date for Registration: 05/02/2021.
- Intimation to Participants: 06/02/2021.

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar
M.Tech., Ph.D (UK)., MISTE.,FIE (I)
Principal.

Convener

Dr. S.N. Tirumala Rao
Professor & Head, Dept. of CSE.

Coordinator

Dr. B. Jhansi Vazram,
Professor in CSE

Co-Coordinators

Dr. S. V. N. Srinivasu,
Professor.
Dr. G. Syam Prasad,
Professor
Dr. T.V Sai Krishna,
Professor
Dr. K.Lakshminadh,
Professor
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. M. Venkata Reddy
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada	**Mr. K.N. Rao**
Ms. M. Sireesha	**Mr. K. Gnanendra**
Mr. P.Lakshminarayana	**Ms. O Aruna**
Mr G.Lakshminarayana	**Ms. Ch.Kamala**
Mr K.Satyam Reddy	**Mr Sk.K.M.Basha**
Mr K.V.Narasimha Reddy	**Mr V.Suresh**
Ms. S.Chaitanya Bharathi	

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

PROGRAM REPORT

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda(Post), Narasaraopet-522601, Guntur District, A.P.,India.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada, Code:47,
Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 01-03-2021

Programme Report

Name of the Programme : A 5-day online ATAL FDP on Cyber Security

Dates : 08-02-2021 to 12-02-2021

Details of the Resource Person(s) :

1. Name , Designation , Organization , Phone & Mail-id :

i. **Dr. V. Valli Kumari** , Prof. of CS&SE , Andhra University , 9440065256 & vallikumari@gmail.com.

ii. **Dr. L. Sumalatha** , Professor of CSE & DE , JNTUK, 9676183355 & de@jntukuce.ac.in

iii. **Dr. A S N Chakravarthy** , Professor & Head Dept. of CSE , JNTUCEV , 9618719229 & chakravarthy.cse@jntukucev.ac.in

iv. **Dr. Durgesh Kumar Mishra** , Professor of CSE & Director, AIT , INDORE , 9826047547 & durgeshkumarmishra@gmail.com.

v. **Dr. Ravi Kiran Varma P** , Assoc.Prof & Head Dept. Of CSE , MVGRCE , 9494464651 , ravikiranvarmap@gmail.com

vi. **Dr. Anne Venkata Praveen Krishna** , Professor, Dept. Of CSE , KL University , 9949395595 & venkatapraveenkrishna@gmail.com

vii. **Mr. Anand K** , CEO, STAR Computers & Visakhapatnam

viii. Dr. Nikhil Marriwala, Prof & Head Dept. Of ECE , Kurukshetra University , 9416668482 & kanand@gmail.com

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ix. Dr. M.Srinivasa Kumar, Principal, NEC, 9440757039 & principal@nrtec.in

Objective of the Programme : Cyber Security awareness is one of the most important aspects that everyone must handle in their day to day operations. This Programme provides an opportunity to perform research in the area of Cyber Security.

Topics Covered : Reconnossance, Web Security , Reconnaissance 1 , Enumeration and vulnerability Scanning using Nessus , System Hacking Part1 , Metasploit Advanced attacks , Wireless Attacks/Mobile Attacks, Buffer Overflow, Automated Web Attacks.

Outcome of the Programme : This programme provides an opportunity to perform research in the area of Cyber Security.

No. of Participants : 124

Coordinator

(Dr. B. Jhansi Vazram)

HoD

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A 6-day Short Term Training Programme(STTP) on Deep Learning for Computer Vision Medical Applications (Series-1)

BROCHURE

Course Content:

- Introduction to Deep Learning
- Introduction to Computer Vision
- Features of Deep Learning for Computer Vision
- Deep Learning Models with Keras
- Image Data Preparation
- Convolutional Neural Networks
- Image Classification
- Object Detection
- Face and Image recognition
- Medical Applications Implemented in Deep Learning for Computer Vision

Resource Persons:

1. **Prof. R.B.V. Subramaanyam,**
   Professor in CSE& Chief Investigator E& ICT Academy, NITW
2. **Dr. M. Srinivas,**
   Asst. Professor in CSE, NITW
3. **Dr Nikhel Marriwala,**
   Professor in ECE,
   Kurukshetra University
4. **Dr. G. Rama Murthy,**
   Professor in CSE,
   Mahindra University
5. **Dr. K. Uma Pavan Kumar**
   Professor & Head, MLRIT
6. **Dr. S.V.N. Sreenivasu,**
   Professor, NEC
7. **Dr. P.Natesan,**
   Professor, KEC,Erode
8. **Mr A.Durga Shiva Prasad,**
   SAK Informatics, Hyderabad

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI) ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 and 1/2 Star Rating

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.) A.P.

A Six Day

Short Term Training Programme

(STTP)

On

DEEP LEARNING FOR COMPUTER VISION MEDICAL APPLICATIONS

(Series-3)

On

22nd March to 27th March 2021

Sponsored by

AICTE-AQIS Scheme

Organized

By

Department of
Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Thrice Accreted By NBA and Accreted By NAAC
(Approved By AICTE, New Delhi, Permanently Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallmanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR,AI, ML, DL, cyber securities etc in every year. Nine Ph.Ds. are awarded under our department faculty supervision and 10 more research scholars are doing Ph.Ds. Many of the faculty members are upgrading their skills by attending the FDP, Conferences, seminars and workshops in innovative and thrust area technologies regularly. The department having 56 faculty members with 12 Professor, 18 Associate Professor and 26 Assist professors. The dept. has organized Faculty Development Programmes sponsored by AICTE, DST, MNIT JAIPUR, NITTTR, Kolkata and Chandigarh in every year.

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Objective of STTP

STTP is focused on the Deep learning for Computer vision and development of medical applications that includes hands on sessions in the area of Deep Learning Models with keras, Image Data Preparation, Convolutional Neural Networks, Image Classification, Object detection, Face and medical image recognition

Target Audience:

* Faculty members
* Research Scholars
* Industry
* Professionals

Guidelines:

- A test shall be conducted by organizing committee at the end of the program.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

IMPORTANT DATES:

***** NO REGISTRATION FEE*****

- Last date for Registration: 20/03/2021
- Intimation to Participants: 21/02/2021
- Registration is based on

"First Come First Serve Basis"

Registration Link :

https://forms.gle/Ffv61h184srYFF4e9

Chief Patron

Sri M.S.Chakravarthi
B.Tech, MS (US),e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group.

Patrons

Sri M.V.Koteswara Rao B.Sc,
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

Co-Patron

Dr. M. Sreenivasa Kumar,
M.Tech., Ph.D (UK)., MISTE.,FIE (I).
Principal.

Convener

Dr. S. N. Tirumala Rao,
Professor & Head, Dept. of CSE.

Coordinator

Dr. S.V.N Sreenivasu,
Professor in CSE

Co-Coordinators

Dr. B. Jhansi Vazram,
Professor.
Dr. S. Siva Nageswara Rao,
Associate Professor.
Dr. K.Lakshminadh,
Associate Professor
Dr. M. Venkata Reddy,
Associate Professor

ORGANIZING COMMITTEE

Ms. G. L. N. Jayaprada
Mr. K.N. Rao
Mr Sk.K.M.Basha
Mr. P.Lakshminarayana
Mr K.V.Narasimha Reddy
Mr K.Satyam Reddy
Mr G.Lakshminarayana
Ms. S.Chaitanya Bharathi
Ms. M. Sireesha
Ms. O Aruna
Ms. Ch.Kamala
Mr S.P.B.Chary
Mr Y.Suresh
Ms. T.Rupa.

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

NARASARAOPETA ENGINEERING COLLEGE
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Accredited by NBA & NAAC, ISO 9001 – 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 28-03-2021

Programme Report

Name of the Programme : A 6-day Short Term Training Programme(STTP) on Deep Learning for Computer Vision Medical Applications (Series-3)

Dates : 22-03-2021 to 27-03-2021

Details of the Resource Person(s) :

I. Name , Designation , Organization , Phone & Mail-id :

1. Prof. R.B.V. Subramaanyam, Professor in CSE& Chief Investigator E& ICT Academy, NITW, 9491346969, rbvs66@gmail.com
2. Dr. M. Srinivas, Asst. Professor in CSE, NITW, 8897064421, msv@nitw.ac.in
3. Dr Nikhel Marriwala, Professor in ECE, Kurukshetra University, 9416668482, nmarriwala@kuk.ac.in
4. Dr. G. Rama Murthy, Professor in CSE, Mahindra University, 9676719686, rama.murthy@mahindrauniversity.edu.in
5. Dr. K. Uma Pavan Kumar , Professor & Head, MLRIT, 9705245285, dr.kethavarapu@gmail.com
6. Dr. S.V.N. Sreenivasu, Professor, NEC, 9849866902, drsvnsrinivasu@gmail.com
7. Dr. P.Natesan, Professor, KEC,Erode, 9443840665,natesanp@kongu.ac.in
8. Mr A.Durga Shiva Prasad, SAK Informatics, Hyderabad, 9493070969,durgashivaprasadannam@gmail.com

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Objectives of the Programme : FDP is focused on the Deep learning for Computer vision and development of medical applications that includes hands on sessions in the area of Deep Learning Models with keras, Image Data Preparation, Convolutional Neural Networks, Image Classification, Object detection, Face and medical image recognition.

Topics Covered :
1. Introduction to DL and CV
2. Data Representation,Supervised LearningMethods
3. DimensionalityReduction
4. Unsupervised Learning Methods, Introduction to Deep learning and Different type of Models
5. Introduction to ComputerVision and Applications on Medical Data
6. Features of Deep Learning for ComputerVision, Image Data augmentation
7. Cloud Based Real- Time Internet of Things Designusing LabVIEW
8. GPU computing for Multi-lead ECG classification using CNNand Transfer Learning

Outcome of the Programme : Faculty gain the knowledge about Deep Learning models with keras, conventional neural networks , medical image recognition

No. of Participants : 132

Coordinator

(Dr.S.V.N.Sreenivasu)

HoD

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Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Five-Day Faculty Development Programme on "Plastic Product Design Using CATIA V6"

Brochure

A Five Day
Faculty Development Program
On
"PLASTIC PRODUCT DESIGN USING CATIA V6"
27th APRIL – 1st MAY, 2021,
by
APSSDC (Govt. of Andhra Pradesh)
In Association with

DASSAULT SYSTEMES
The 3DEXPERIENCE Company

REGISTRATION FORM

Name: _____
Designation: _____
Mobile: _____
College Name: _____
E-Mail: _____
Area of Research: _____
Accommodation required: Yes/No
No Registration Fee.

Signature of the Applicant

Note: The scanned copy of duly filled application form should be send to mechhod@nrtec.in on or before 18-11-2019.

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____ is working in our institution / Organization and is here by sponsored to participate in FDP on "**DESIGN AND MANUFACTURING ON 3D EXPERIENCE PLATFORM**" at Narasaraopeta Engineering College, Narasaraopet.

Place:
Date:

Signature of the HOD/
Head of the Institution

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Topics to be covered:

Design & Manufacturing On 3D Experience	
No. of Days	Topics Covered
Day-1	• Workbench Introduction • Reference Elements, Practice of types of point, line and planes
Day-2	• Basic Solid Features, Practice of basic 2D to 3D parts
Day-3	• Advanced Solid Features • Practice of Ribs, Slots & Multi- sections
Day-4	• Surface based features • Practice of Splitting solids with surfaces
Day-5	• Introduction to Body concept • Explain the needs of Body concepts, Boolean operations

Impartment Dates:
Last Date for Registration: **25th April, 2021**
Date of Confirmation: **26th April, 2021**

Who Shall Participate:
The FDP is aimed at the multifaceted audience from industry, full time research scholars, PG students and academicians from various Engineering colleges of Mechanical Engineering Department.

Accommodation:
Paid Accommodation will be provided for outstation participants with prior request on nominal charges for limited numbers only.

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601

A Five Day
Faculty Development Program
On
"PLASTIC PRODUCT DESIGN USING CATIA V6"
27th APRIL – 1st MAY, 2021
by

APSSDC (Govt. of Andhra Pradesh)
In Association with

DASSAULT SYSTEMES
The 3DEXPERIENCE Company

Organized by
Department of Mechanical Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA.
Phone : **08647-239923**
E-Mail : **mechhod@nrtec.in**

ABOUT THE COLLEGE:

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In order to build a vibrant entrepreneurship ecosystem Venture Development Centre (VDC) is established in association with APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs. The college is awarded AAA ranking by career 360 and also a member of TiE, Hyderabad. The college has established MHRD-IIC (Institution Innovation Council) and also a member of ICT Academy.

ABOUT APSSDC:

Andhra Pradesh State Skill Development Corporation (APSSDC) is a unique organization formed as a Public-Private Partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. The corporation is as a Section-8 company (not-for-profit) with a private equity component of 51% and 49% by Govt of AP. The Corporation now serves as the "Executive Agency" for the newly formed Department of Skill Development, Entrepreneurship, and Innovation.

IQAC

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited twice by AICTE-NBA. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

ABOUT THE FDP:

The main objective of this program is to fill the gap between the industry and academic institutions to update their knowledge of engineering teachers. Aimed at imparting the knowledge on modelling using Dassault 3D experience software with hands on experience. CATIA is a platform to design, sketch, surfacing, drafting and assembling of the components. The platform has a wide variety of workbenches. The industrial engineering problems can be solved on DELMIA like Process planning, scheduling, routing, time study and flow study.

RESOURCE PERSONS:

1. **Mr. P. Rama Krishna, Design Engineer, APSSDC,AP**

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

CHIEF PATRONS

Sri. Challa Madhusudan Reddy
Chairman - APSSDC

Dr. Arja Srikanth, IRTS
MD & CEO – APSSDC

Sri M.S. Chakravarthi
B.E., M.S(USA), Exec-MBA(ISB).
Vice - Chairman, NEC Group.

PATRONS

Dr. Ravi Gujjula
Chief General Manager, Technical Dept., APSSDC

Sri M.V. Koteswara Rao B Sc.
Chairman, NEC Group.

Sri M. Ramesh Babu
Secretary, NEC Group.

CO-PATRONS

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Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:03-05-2021

PROGRAMME REPORT

Name of the Programme : A Five-Day Faculty Development Programme on "Plastic Product Design Using CATIA V6"

Dates : 27-4-2021 To 01-05-2021

Details of the Resource Persons :

Name	: Mr.P.Rama Krishna.
Designation	: Design Engineer
Organization	: APSSDC,AP
Phone No	: 18004252422
Mail.Id	: pramakrishna.apssdc@ac.in.

Objective of the programme:

CATIA V6 is a very versatile tool. CATIA V6 is used in the design of products and also finds use in the design of manufacturing tools, wiring harness, and mold design. Automotive Plastic Design using CATIA V6 deals with the plastic component design in automobiles. The course gives you a brief overview of the different types of plastics used in automobiles. Students will understand the need to use injection moulding technique in plastic component manufacturing technique in this course. The course helps you understand the CATIA software from the basics of sketcher workbench to advanced surface design which helps you to understand how to design

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plastic components based on industry-standard prerequisites. In this course, you will learn about core and cavity creation for plastic components design. Design of engineering features like a dog house, ribs, and heat stakes, design of automotive plastic components based on injection moulding requirements and design of engineering features along with a few plastic component design projects, like - Switch bezel design from given Class A, Coin holder design, and Side door hand rest design, to name a few. Upon completion of this course, the student will have a complete understanding of automotive plastics, injection moulding process, plastic design process, design rules, engineering feature design, and also complete plastic product development. Construction of a successful career begins with making right choices, but more often than not, there is no one to guide, explain and show the path to these right choices and how to make them. Often various students face dilemma regarding the correct way to kick start their career. We helps such students achieve these objectives by providing a blend of domain knowledge and the usage of software tools & technologies in every stage of product life-cycle

Topic Covered:

- Workbench Introduction
- Reference Elements, practice of types of points, line and planes
- Basic Solids Features, Practice of basic 2D and 3D parts
- Advanced Solid Features
- Practice Of Ribs, Slots & Multi-Sections
- Surface based Features
- Practice of Splitting Solids with Surfaces
- Introduction to body concept
- Explain the needs of Body concepts, Boolean operation

Outcome of the programme:

- Mold Tooling Design Workbench
- Standard Mold Base read from catalog
- Non-Standard Mold base for cold and hot injection
- Split of Core, Cavity plate, and insert with contextual menu
- Split of Mold component with contextual menu

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- Standard component catalogs
- Multi positioning capabilities
- Catalog components managed with their associated Hole
- Generation of Bills of Materials
- New Locating, guiding and ejection component
- Additional Injection Feature
- Connection components
- Enhanced Cooling pipe
- Standard catalogs
- Productive and intuitive industry-oriented Windows native User Interface for short training
- cycles
- Dynamic movement of parts

No. of participants: 21

Coordinator

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Guntur (Dist.), A.P.

A Three-Day Short-Term course on "Advancements in 3D Printing Technology"

Brochure

Course Content:

- Introduction to 3D printing & Design
- CAD for 3D printing
- Additive Manufacturing Techniques
- .Identification of Products & Techniques
- Materials for 3D Printing
- Product Orientation and Topology
- Process Parameters &Post Processing Techniques
- Industrial Applications in 3D printing
- Case studies in 3D printing
- Role of 3D Printing in Engineering Education.
- Demonstration on 3D Printer
- Hands on training on 3D printer (Ultimaker S5 Pro Bundle)

RESOURCE PERSONS

- **Mr. Rakesh Koppunur**, CEO, KOPP3D INNOVATIONS POC PRIVATE LIMITED.
- **Mr. Prateek Moses** Technical Manager, KOPP3D INNOVATIONS POC PRIVATE LIMITED.

For Any Queries Contact:

Mr. Shaik Nagul Meeravali,

Mr. Bachali Rambabu,

Mobile No: 9866168395

Email: Nagulmeeravali@nrtec.in

Email :rambabubachali@nrtec.in



ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M. V. Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited Thrice by NBA by times of india ranking survey 2020. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M. Tech programs, Two PG courses of MCA, MBA and seven courses at B. Tech level in the branches EEE, CSE, ECE, ME, CIVIL, IT, and CSE (AI). The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year. In order to build a vibrant entrepreneurship ecosystem institute has MOU with TiE Hyderabad. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC, Germany. The college has Dassault Systems 3D Experience Lab, Established in Collaboration with APSSDC. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has Institution Innovation Council approved by MHRD-IIC. The college is a member of Internshala-Internship Partner. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

A Three-Day workshop on "ADVANCEMENTS IN 3D PRINTING TECHNOLOGY"

During

18th-20th June- 2021

Organized By

Department of Mechanical Engineering

NARASARAOPETA NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

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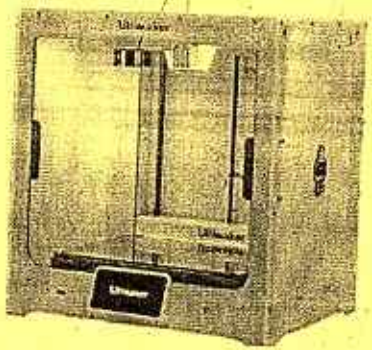
NARASARAOPET - 522 601

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 120. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited twice by AICTE-NBA. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories like Dassault systems and ARC laboratory. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc., The department faculty encourages the students to implement innovative ideas in their project works and R&D. Many of the faculty members are upgrading their skills by attending the FDP, conferences, seminars and workshops in innovative and thrust area technologies regularly. The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students. The development has student chapter ISTE & IE (I).

OBJECTIVES OF WORKSHOP

- To import basic knowledge of additive manufacturing. p
- To update the participants with the state-of-the-art technologies in 3D Printing.
- To enable the participants to have experiential learning in 3D modeling, build-setup preparation and 3D printing through hands-on sessions.
- To enable participants to learn the industrial, real life and pedagogical applications of 3D printing.
- To facilitate the participants to develop low- cost 3D printers to teach engineering concepts.



- Certificate will be provided to all the participants, on successful completion of workshop.

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Program Report

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Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date:23-06-2021

PROGRAMME REPORT

Name of the Programme : A Three-Day Short-Term course on "Advancements in 3D Printing Technology"

Dates : 18th to 21st June, 2021

Details of the Resource Persons :

1. Name : Mr. Rakesh koppunur
   Designation : CEO
   Organization : KOPP3D Innovations Opc pvt.Ltd
   Phone No : 9182658516
   Mail.Id : rakeshkopp3d@gmail.com
2. Name : Mr. Prateek Moses.
   Designation : Technical manager
   Organization : KOPP3D Innovations Opc pvt.Ltd
   Phone No : 9966930765
   Mail.Id : prateekmoseskopp3d@gmail.com

Objective of the programme:

3D printing is a tool that **allows people to create new things**, limited only by imagination. 3D printing and modeling projects should empower students to take chances and make mistakes. Students will be introduced to 3D printing and learn how to create their own print files.

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Car manufacturers have been utilizing 3D printing for a long time. Automotive companies are printing spare parts, tools, jigs and fixtures but also end-use parts. 3D printing has enabled on-demand manufacturing which has led to lower stock levels and has shortened design and production cycles. Automotive enthusiasts all over the world are using 3D printed parts to restore old cars. One such example is when Australian engineers printed parts to bring a Delage Type-C back to life. In doing so, they had to print parts that were out of production for decades. The aviation industry uses 3D printing in many different ways. The following example marks a significant 3D printing manufacturing milestone: GE Aviation has 3D printed 30,000 Cobalt-chrome fuel nozzles for its LEAP aircraft engines. They achieved that milestone in October of 2018, and considering that they produce 600 per week on forty 3D printers, it's likely much higher than that now.Around twenty individual parts that previously had to be welded together were consolidated into one 3D printed component that weighs 25% less and is five times stronger.

Topic Covered:

- Activity 1: Introduction to 3D Printing
- Activity 2: Using a 3D Printer
- Activity 3: Preparing Files for Printing
- Activity 4: Exploring Ways to "Make": Download, Scan, Design
- Activity 5: Designing with Tinkercad Software
- Activity 6: Designing with OpenSCAD Software
- Activity 7: Designing with Sculptris Softward
- Activity 8: Designing with 123D Software

Outcome of the programme:

3D printing encompasses many forms of technologies and materials as 3D printing is being used in almost all industries you could think of. It's important to see it as a cluster of diverse industries with a myriad of different applications.

A few examples:

- Consumer products (eyewear, footwear, design, furniture)
- Industrial products (manufacturing tools, prototypes, functional end-use parts)

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- Dental products
- Prosthetics
- Architectural scale models & maquettes
- Reconstructing fossils
- Replicating ancient artefacts
- Reconstructing evidence in forensic pathology
- Movie props

No. of participants: 21

Coordinator **HOD**

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NARASARAOPETA
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International conference on Advances in signal Processing and Communication

Brochure

NARASARAOPETA ENGINEERING COLLEGE

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VIRTUAL INTERNATIONAL CONFERENCE ON

ADVANCES IN SIGNAL PROCESSING AND COMMUNICATIONS

NEC-ICASPC-2K20

17th & 18th July, 2020

Organized by Department of **Electronics and Communication Engineering**

About the Conference

In continuation of the previous International Conferences, this International Conference on Advances in Signal Processing and Communications (NEC-ICASPC-2K20) is being organized by the department of Electronics and Communication Engineering. NEC-ICASPC-2K20 provides an International forum for researchers, academicians, industry professionals and PG students to explore and contribute their research by presenting and discussing the various aspects of developments in the field of Signal Processing and Communications.

Topics of the Conference

SIGNAL PROCESSING
- Mathematical methods in Signal Processing
- Adaptive and Array Signal Processing
- Biomedical Signal Processing
- Analog and Mixed Signal Processing
- Hybrid Intelligent System Applications to Image Processing
- Signal Processing for data recording channels
- Image and Video Signal Processing

COMMUNICATIONS
- Integrated circuits for Wireless Communication
- Fiber Optic, Space and Satellite Communication
- Antenna and Propagation
- VLSI and Signal Processing for Communication
- Mobile, Broadband and Wireless Communication

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Dr. V. Anil Kumar, IIITH

Important Dates

Paper Submission opens from	: 1st June, 2020
Paper Submission closes on	: 4th July, 2020
Acceptance Intimation	: 7th July, 2020
Camera Ready Paper, Copy right form Submission & Author Registration	: 11th July, 2020
Conference Dates	: 17th & 18th July, 2020

Submission Guidelines

Authors intending to present papers are requested to send softcopy of full length paper in IEEE format not exceeding 5 pages to e-mail ecehod@nrtec.in The selected papers will be notified for registration.

- Number of Authors per paper is limited to four only.
- E-certificate will be provided to authors who are present during their paper presentation.
- ISBN International conference proceedings will be provided with an additional charge of INR 350 (Cost of one book)
- International Conference will be conducted on Microsoft Teams.
- All submissions must include Title, Author(s) and Affiliation(s), Full Address for correspondence including phone number and e-mail id.

Registration & Account Details

Categories	Registration Fees
Students / Faculty	Rs. 300/-
R & D / Industry	Rs. 500/-
Foreign Delegates	US$ 50

Name of the Beneficiary : Narasaraopet Engineering College
Special Saving Account No : 476010100026877
Bank & Branch : Axis Bank, Narasaraopet
IFSC Code: UTIB0000476

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Vice Principal

Contact Details

Convener:
Dr. V. Venkata Rao, B.E.(ECE), M.E., Ph.D.
Professor & Dept. Head 944 1 27485

Co-Conveners:
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Dr.B.Raghavaiah - 62 47217357
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Paper Submission through E-mail
ecehod@nrtec.in

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ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 1998 with an intake of 40 students in B.Tech programme. The intake was enhanced subsequently and the present intake is 240. The department also offers two PG programs, M.Tech (Digital Electronics and Communi-cation Systems) which was started in the year 2004 and M.Tech (Digital Systems and Computer Electronics) which was started in the year 2006 with an intake of 18 each. The department has a team of highly qualified, experienced and dedicated teaching faculty. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate state-of-the art equipment and latest software. The UG programme of the department is accredited thrice by NBA. The department has Embedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department got funding from AICTE to conduct FDP, two STTPs and two MODROBS.

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Sri M.S.Chakravarthi,
B.Tech, MS (USA), MBA (USA Univ)
Vice Chairman, NEC Group

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(Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Accredited by NBA & NAAC 'A' Grade)

INTERNATIONAL CONFERENCE ON ADVANCES IN SIGNAL PROCESSING AND COMMUNICATIONS NEC-ICASPC-2K20

(VIRTUAL)

17th - 18th July, 2020

Organized By

Department of
Electronics and Communication Engineering

Narasaraopeta Engineering College (Autonomous)
Kotappakonda Road, Yellamanda (Post),
Narasaraopet – 522601, Guntur District, A.P.
Ph: 08647-239914, 9441127485, 9785741277
Fax No.: 08647-239902
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- Speech Processing for data recording channels

COMMUNICATIONS
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- Antennas and Propagation
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- E-certificate will be provided to authors who are present during their paper presentation.
- ISBN International conference proceedings will be provided with an additional charge of INR 350 (Cost of one book)
- International Conference will be conducted on Microsoft Teams.
- All submissions must include Title, Author(s) and Affiliation(s), Full Address for correspondence including phone number and e-mail id.

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IMPORTANT DATES

Paper Submission opens from	: 1st June, 2020
Paper Submission closes on	: 4th July, 2020
Acceptance Intimation	: 7th July, 2020
Camera Ready Paper, Copy right form Submission & Author Registration	: 11th July, 2020
Conference Dates	: 17th & 18th July, 2020

REGISTRATION DETAILS

Categories	Registration Fees
Students / Faculty	Rs. 300/-
R & D / Industry	Rs. 500/-
Foreign Delegates	US$ 50

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Narasaraopet - 522601, Guntur District, A.P.
INTERNATIONAL CONFERENCE ON ADVANCES IN SIGNAL PROCESSING AND COMMUNICATIONS
NEC-ICASPC-2K20
(VIRTUAL)
17th - 18th July, 2020

APPLICATION FORM

1. Name (in Block Letters) : .....
2. Designation : .....
3. College / Organization : .....
4. Address for Communication : .....
.....
.....
Phone No. (with STD Code) : .....
Mobile No. : .....
E-mail ID : .....
5. Title of the Paper : .....
.....
6. Fees. (Tick √ whichever is applicable)
For Students/Faculty : INR 300
For R&D / Industry : INR 500
For Foreign delegates : US$ 50
7. Mode of Payment: Phone Pay/GPay/Online Transfer
Name of the Beneficiary : Narasaraopet Engineering College
Special Saving Account No : 476010100029877
Bank Name : Axis Bank (Narasaraopet Branch)
IFSC Code: UTIB0000476

DECLARATION

The information provided by me is true to the best of my knowledge. If selected, I agree to abide by rules and regulations of the organization and shall attend the international conference for the entire duration. I also undertake the responsibility to inform the Convener, in case I am unable to attend the international conference.

Place :
Date :

Signature of the Participant

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NEC
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 25.07.2021

PROGRAMME REPORT

Name of the Programme : A virtual International conference on "Advances in Signal Processing and communications" NEC-ICASPC-2K21"

Dates : 23-07-2021 to 24-07-2021

Details of the Resource Persons :

1. Dr. Sandeep Poddar, Deputy Vice Chancellor (Research & Innovation), Lincoln University College, Malaysia.
2. Dr. Sandeep, Lincoln University College, Malaysia.

Objective of the programme:

Explore and Contribute their research by presenting and discussing the various aspects of developments in the Signal processing and Communications.

Topic Covered:

Signal processing

- Mathematical methods in signal processing
- Adaptive and array signal processing
- Biomedical signal processing
- Analog and Mixed signal processing
- Hybrid intelligent system applications
- Signal processing for data recording channels
- Image and video signal processing

Communications:

- Wireless communications
- Fibber optic communication
- Antenna and Propagation
- VLSI signal processing for Communication
- Mobile Communication

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Outcome of the Programme:

The NEC-ICASPC-2K21 is conceived as a forum for presenting and Exchanging Ideas and Results of high quality research work in cutting edge technologies and most happening areas of signal processing , communication and VLSI.

No. of participants: 75

Coordinator

HOD

HEAD OF THE DEPARTMENT
DEPT.OF ELECTRONICS AND COMMUNICATION ENGG.
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET-522 601

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Virtual International Conference on "Recent Trends in Power systems and Power Electronics"

Brochure

About NEC

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Devel-opment Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of devel-oping this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, CSE-AI, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college. In order to build a vibrant entrepreneurship ecosystem Venture Devel-opment Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

ABOUT THE DEPARTMENT

NEC's EEE department offers an AICTE approved four year undergraduate programme (B.Tech) in Electrical & Electronics Engineering. The JNTU-Kakinada affiliated department is twice accredited by the NBA, in 2009 & 2013, and is certified by the ISO.Our EEE course offers expertise in electrical machines, power electronics, generation, transmission and distribution of power, power system operation and its control using computer methods such as artificial neural networks, Fuzzy Logic, micro-controllers, Digital Signal Processing and VLSI Design, Embed-ded Systems, and more.

In 2004, the department offered a postgraduate program (M.Tech) with specialisation in Power & Industrial Drives. Since 2013, it has introduced a new M.Tech program in Power Electronics & Electrical Drives.

The department also offers a diploma program, which had a capacity of 60 students back in 2010 and 120 back in 2013.

IQAC

Chief Patron

Sri M.S.Chakravarthi,
B.Tech, MS (US), e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao, B.Sc.,
Chairman, NEC Group

Sri M. Ramesh Babu, B.Com.,
Secretary, NEC Group

Co-Patrons

Dr. M. Sreenivasa Kumar,
M.Tech, Ph.D (UK), MISTE, FIE(I)
Principal, NEC

Dr. D.Suneel,
M.Tech, Ph.D, FIE(I), MISTE, MRSI
Vice Principal, NEC

Convenor

Dr. P.Lakshmanan,
M.Tech, Ph.D., MIEEE
Professor, Dept. Head EEE

Co-Conveners

Mr.Sk.Md.Shareef, Associate Professor

Mr.P.D.V.S.K.Kishore, Associate Professor

Mr.J.Sunil Babu, Associate Professor

Mr.B.Praveen Kumar, Associate Professor

Organizing Committee

Mr.G.Naga Raju

Mr.M.Chandrasekhar

Mr.Sk.Karimulla

Mr.G.Naveen

Mr.M.Subramanayam

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601
Guntur (Dist.), A.P.

NEC NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinad Accredited by NBA & NAAC 'A' Grade)

VIRTUAL INTERNATIONAL CONFERE
RECENT TRENDNS IN POWER S
AND POWER ELECTRONI(
NEC-VICPSPE-2K21
(VIRTUAL)

28th - 29th July, 2021

Organized By
Department of
Electrical and Electronics Engine

Narasaraopeta Engineering College (Aut
Kotappakonda Road, Yellamanda (
Narasaraopet – 522601, Guntur Distr
Ph: 08647-239914, 9494990
Fax No.: 08647-239902
E-Mail: necvicpspe2k21@nrtec.in, hodee
Website: http://www.nrtec.in

ABOUT THE INTERNATIONAL CONFERENCE

Narasaraopeta Engineering College(Nec) , Narasaraopet is proud to announce the Virtual Internation-al Conference on Recent Trends in Power Systems and power Electronics NEC-VICPSPE-2K21 schedule on 28th and 29th through online platform at NEC, Na-rasaraopet organised by Department of Electrical & Electronics Engineering. The Objective of the confer-ence is to highlight the effort of researchers who are harnessed the power of Technology in order to help solve society's most pressing problems and to discuss the challenges faced in due course. The situation call for review, deliberations, proposition and Exchange of new idea the researchers, educators and Industry Experts bring together to show their efforts in

TOPICS OF THE CONFERENCE

The scope of the conference includes, but not limited to the following

- AI Applications to Power Systems
- Big Data Analytics & IOT for Power Systems
- Control Applications to Power Systems
- Electric Machines and Drives
- Energy Management for Smart Systems
- Generation, Transmission & Distribution
- Microgrid & Smart Grid
- Optimization Problems in Future Grids
- Power Quality Issues
- Power System Operations
- Power System Protection
- Power System Stability
- Power Electronics & Control for Smart Grids
- Power Quality Monitoring and Mitigation
- HVDC & FACTS
- Power Electronic Converters and Control Systems
- Power Electronics
- Wide Area Monitoring, Control & Automation

SUBMISSION GUIDELINES

Authors intending to present papers are requested to send two hard copies of full length paper in IEEE format not exceeding 5 pages along with a soft copy should send through e-mail **necvicpspe2k21@nrtec.in**. The selected papers will be notified for registration.

- Number of Authors per paper is limited to four only.
- E-certificate will be provided to authors presentation and present during their paper presentation.
- ISBN International conference proceedings will be provided with an additional charge of INR 350 (Cost of one book)
- International Conference will be conducted on Microsoft Teams.

All submissions must include Title, Author(s) and Affiliation(s), Full Address for correspondence including phone number and e-mail id.

PARTICIPANTS

Research Scholars / Academicians / Industrial Professionals / students

CONFERENCE ADVISORY COMMITTEE

Dr.Uma Shankar Subramanian,
Prince Sultan University, Saudi Arabia

Dr.S.Siva Naga Raju,
JNTUK

Dr.I.Satish Kumar,
NIT Warangal

Dr.R.Ramesh,
Anna University, Chennai

Dr.Ch.Chengaiah,
SVU, Tirupathi

Dr.Venkata Ramana,
SRU, Warangal

Dr.S.Nagarajan,
SIEM , Siliguri, West Bengal

Dr.Vijay Kumar,
SRMU, Chennai

IMPORTANT DATES

Paper Submission opens from	: 22nd June, 2021
Paper Submission closes on	: 20th July, 2021
Acceptance Intimation	: 22nd July, 2021
Camera Ready Paper, Copy right form Submission & Author Registration	: 24th July, 2021
Conference Dates	: 28th & 29th July, 2021

REGISTRATION DETAILS

Categories	Registration Fees
Research Scholars / Faculty	Rs. 300/-
R & D / Industry	Rs. 500/-
Foreign Delegates	US$ 50

NARASARAOPETA ENGINEERING COL

(AUTONOMOUS)
Narasaraopet – 522601, Guntur District, A.I
INTERNATIONAL CONFERENCE ON RECENT TR
POWER SYSTEMS AND POWER ELECTRO
NEC-ICAIEA-2K21
(VIRTUAL)
28th - 29th July, 2021

APPLICATION FORM

1. Name (in Block Letters): .....
2. Designation : .....
3. College / Organization : .....
4. Address for Communication : .....
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   .....
   Phone No. (with STD Code) : .....
   Mobile No. : .....
   E-mail ID : .....
5. Title of the Paper : .....
   .....
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   For R&D / Industry : INR 500
   For Foreign delegates : US$ 50
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   Name of the Beneficiary : Narasaraopet Engineerin
   Special Saving Account No : 476010100026877
   Bank Name : Axis Bank (Narasaraopet Branch)
   IFSC Code: UTIB0000476

DECLARATION

The information provided by me is true to the knowledge. If selected, I agree to abide by regulations of the organization and shall attend the i conference for the entire duration. I also un responsibility to inform the Convener, in case I ar attend the international conference.

Place:
Date :

Signature of the Pa

Program Report

NEC
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 11.07.2021

PROGRAMME REPORT

Name of the Programme : ATwo International Conference on "Recent Trends in Power systems and Power Electronics"

Dates : 28th to 29th July, 2021

Details of the Resource Persons :

1. Name : Dr. Shady H.E. Abdel Aleem
   Designation : Associate Professor, Vice Dean for Community & Environmental Services
   Organization : Valley Higher Institute of Engineering and Technology, Science Valley Academy, Qalyubia 44971, Egypt
   Phone No : 9494990832
   Mail.Id : hodeee@nrtec.in

Objective of the programme:

The Conference is to highlight the effort of the Researchers Who are hamessed the Power of Technology in order to help Solve Society's most Pressing problems and to discuss the challenges faced in due courses. the situation call for review, deliberation, proposition and Exchange of New idea the researchers, educators, and industry Experts bring together to show their efforts

Topic Covered:

- AI applications to power systems
- Big Data Analysis& Power Systems
- Control Applications in Power Systems
- Power Electronics &Control for Smart Grids

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

- Energy Management for Smart grids
- Power Quality issues

Outcome of the programme:

- Overview on where we are in testing and linkage to care and what are the main priorities and challenges in the years to come
- Greater understanding of how to improve monitoring and surveillance and use this to impact in Power Systems & Electrical Engineering .

No. of participants: 44

Coordinator

HOD

IQAC

PRINCIPAL
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A Virtual International Conference on "Emerging Trends In mechanical Engineering and Industrial Automation"

Brochure

About NEC

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, CSE-AI, IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. Microsoft Innovation Centre was established in the college. In order to build a vibrant entrepreneurship ecosystem Venture Devel-opment Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

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ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 120. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited twice by AICTE-NBA. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories like Dassault systems and ARC laboratory. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc., The department faculty encourages the students to implement innovative ideas in their project works and R&D. Many of the faculty members are upgrading their skills by attending the FDP, conferences, seminars and workshops in innovative and thrust area technologies regularly. The department has student chapters ISTE & IE(I).

Chief Patron

Sri M.S.Chakravarthi,
B.Tech, MS (US), e-MBA (ISB-Hyd)
Vice-Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao, B.Sc.,
Chairman, NEC Group

Sri M. Ramesh Babu, B.Com.,
Secretary, NEC Group

Co-Patrons

Dr. M. Sreenivasa Kumar,
M.Tech, Ph.D (UK), MISTE, FIE(I)
Principal, NEC

Dr. D.Suneel,
M.Tech, Ph.D, FIE(I), MISTE, MRSI
Vice Principal, NEC

Convenor

Dr. B.Venkata Siva,
M.Tech., Ph.D., MISTE, ISNT
Head, Dept. of ME

Co-Convenors

Dr. D.Jagadish, M.Tech, Ph.D.
Professor, Dept. of ME

Dr. P.Suresh Babu, ME, Ph.D.
Professor, Dept. of ME

Organizing Committee

Mr. M. Venkanna Babu
Mr. M. Venkaiah
Mr. P. Srinivasa Rao
Mr. Ch. Sekhar
Mr. K. Kiran Chand
Mr. N. Vijaya Sekhar
Mr. K. John Babu
Mr. B. Rajiv Kumar
Ms. P. Sravani
Mr. Shaik Bajan
Mr. T. Ashok Kumar
Mr. B. Rambabu
Mr.T.N.V.Mahesh Babu
Mr.D.Mojeswara Rao

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

(Approved by AICTE, New Delhi &
Permanently affiliated to JNTUK, Kakinada,
Accredited by NBA & NAAC 'A' Grade)

INTERNATIONAL CONFERENCE ON
Emerging Trends in Mechanical Engineering and Industrial Automation
NEC-ICETMEIA-2K21
(VIRTUAL)

30th - 31st July, 2021

Organized By
Department of
Mechanical Engineering
In Association With
The Institution of Engineers (India)

Narasaraopeta Engineering College (Autonomous)
Kotappakonda Road, Yellamanda (Post),
Narasaraopet – 522601, Guntur District, A.P.
Ph: 08647-239912, 9885271324, 9849866902
Fax No.: 08647-239902
E-Mail: icetmeia2021@gmail.com, mechhod@nrtec.in
Website: http://www.nrtec.in

ABOUT THE INTERNATIONAL CONFERENCE

The objective of NEC-ICETMEIA–2021 is to create an international conglomeration of scientists, engineers, and industrial experts. This forum serves as a platform where people can share information about latest diverse technological advancements, innovations, and achievements in the areas of Mechanical engineering and allied fields of engineering. Further, it would also facilitate discussion that centers on the developments and challenges in the fields of design, manufacturing, thermal, robotics, mechatronics fields of engineering.

The focus of this conference is to provide a technical platform that encourages scientific research and educational activities that would cater to the needs of both society and the industry. Most importantly, NEC-ICETMEIA-2k21 is invested in the advancement of a common man's life by utilizing the theory and practice of Mechanical Engineering and allied fields of engineering. The conference includes a keynote address and guest lectures by eminent speakers around the globe who would deliberate the recent trends and challenges in the field of mechanical engineering & industrial automation.

TOPICS OF THE CONFERENCE

- Advanced Manufacturing Processes
- 3D Printing
- Green Manufacturing and Industry 4.0
- Conventional & Non-conventional machining processes
- Finite element analysis
- Product design & development
- Mechatronics & Robotics
- Non-Conventional Energy Resources
- Green energy & Energy harvesting
- Refrigeration & Air conditioning
- Tribology
- Combustion & Pollution
- Sensors & Actuators
- Flow measurements
- Advanced Composite Materials
- Dispersion and Dispersants
- Polymer composites
- Metal matrix composites
- Smart materials
- Biomaterials
- Solar Energy
- Surface Science & Engineering

SUBMISSION GUIDELINES

Authors intending to present papers are requested to send two hard copies of full length paper in IEEE format not exceeding 5 pages along with a soft copy send through e-mail: icetmeia2021@gmail.com. The selected papers will be notified for registration.

- Number of Authors per paper is limited to four only.
- E-certificate will be provided to authors presentation and present during their paper presentation.
- ISBN International conference proceedings will be provided with an additional charge of INR 350 (Cost of one book)
- International Conference will be conducted on Microsoft Teams.

All submissions must include Title, Author(s) and Affiliation(s), Full Address for correspondence including phone number and e-mail id.

PARTICIPANTS

Research Scholars / Academicians / Industrial Professionals / students

IQAC

CONFERENCE ADVISORY COMMITTEE

Prof. Marina L. Galano, Dept. of Materials Science, UNIVERSITY OF OXFORD, UK
Dr. Rukmini Srikant Revuru, Assoc. Prof. University of Northern Iowa, Cedar Falls, IA, USA
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Dr.Y.Naresh, Asst. Prof. Dept. of ME, SVNIT, Surat
Dr.Ramakrishnan Ramachandran, Assoc. Prof. Dept. of D&A, VIT, Vellore
Dr. P.S.Rama Sreekanth, Dept. of ME, VIT, A.P
Mr. Jnanananda Rao Kadi, Deputy Manager, Bharat Dynamics Ltd., Hyderabad.
Dr.Srinivasu Gangisetty, Asst. Prof. Dept. of ME, NIT, Raipur

IMPORTANT DATES

Paper Submission opens from	: 20th June, 2021
Paper Submission closes on	: 10th July, 2021
Acceptance Intimation	: 15th July, 2021
Camera Ready Paper, Copy right form Submission & Author Registration	: 17th July, 2021
Conference Dates	: 30th & 31st July, 2021

REGISTRATION DETAILS

Categories	Registration Fees
Research Scholars / Faculty	Rs. 300/-
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Foreign Delegates	US$ 50

SPONSORSHIP

Mr./Ms. _____
is working /studying in our Institution/ Organization and his / her application is hereby sponsored / forwarded for attending the above international conference. The participant would be permitted to attend the international conference, if selected.

Place:
Date :
Seal :

Signature of the
Principal / Head of the Department

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)
Narasaraopet – 522601, Guntur District, A.P.

INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN MECHANICAL ENGINEERING AND INDUSTRIAL AUTOMATION

NEC-ICETMEIA-2K21
(VIRTUAL)
30th - 31st July, 2021

APPLICATION FORM

1. Name (in Block Letters): .....
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3. College / Organization : .....
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   For Foreign delegates : US$ 50
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   Name of the Beneficiary : Narasaraopet Engineering College
   Special Saving Account No : 476010100026877
   Bank Name : Axis Bank (Narasaraopet Branch)
   IFSC Code: UTIB0000476

DECLARATION

The information provided by me is true to the best of my knowledge. If selected, I agree to abide by rules and regulations of the organization and shall attend the international conference for the entire duration. I also undertake the responsibility to inform the Convener, in case I am unable to attend the international conference.

Place:
Date :

Signature of the Participant

PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A Virtual International Conference on "Emerging Trends in Civil Engineering"

Brochure

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Narasaraopet is known as the gateway of Palnadu. Narasaraopet is a town in Guntur district and is on the railway line of Guntur to Guntakal. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5 Km from NEC.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2009. The department has been successful in producing excellent and well-trained graduates. Today we have more than 450 Students (UG & PG). Our Civil Engineering department seeks to understand natural phenomena and their applications in the field, and utilize that knowledge to innovate and build sustainable engineering structures for Society. We educate our students in both natural and manmade systems, which enable them to get a true sense of the science of civil engineering. The department has good infrastructural facilities and has full fledged laboratories equipped with adequate state of the art equipment and latest software. Our faculty and staff are dedicated to teach our students such that they are best equipped to serve the region and the nation as professionals, scholars, academic leaders, researchers, and entrepreneurs, and tackle complex engineering problems in the field.

Chief Patron

Sri M.S.Chakravarthi, B.Tech, MS (US), +MBA (ISB Hyd)
Vice-Chairman, NEC Group

Patrons

Sri M.V. Koteswara Rao, B.Sc.,
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Sri M. Ramesh Babu, B.Com.,
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Vice Principal, NEC

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Dr.P.Naga Sowjanya, B.Tech, M.Tech, Ph.D.
Head, Dept. of CIVIL

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Mr. K.Meghanadh, Assistant Professor
Mr. B.Shiva Manikanta, Assistant Professor

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Mr. K.V.Prathap
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Mr. L.Satishkumar
Mr. S.V.Sivaraju
Mr. D.Pradeep
Mr. N.M.Subhani

NEC NARASARAOPETA ENGINEERING COLLEGE 23

(Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Accredited by NBA & NAAC 'A' Grade)

INTERNATIONAL CONFERENCE ON Emerging Trends in Civil Engineering

NEC-ICETCE-2K21

(VIRTUAL)

06th - 07th August, 2021

Organized By

Department of

CIVIL ENGINEERING

Narasaraopeta Engineering College (Autonomous)
Kotappakonda Road, Yellamanda (Post),
Narasaraopet - 522601, Guntur District, A.P.
Ph: 08647-239906, 8897170424, 8374694569
Fax No.: 08647-239902
E-Mail: necicetce2021@gmail.com
Website: http://www.nrtec.in

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE INTERNATIONAL CONFERENCE

The Department of Civil Engineering Narasaraopeta Engineering college(Autonomous) is glad to announce the "International Conference on Emerging Trends in Civil Engineering (NEC-ICETCE 2021)" on 06th and 07th August, 2021 at Narasaraopeta Engineering College(Autonomous) Andhra Pradesh, India. The NEC-ICETCE 2021 provides a two-day research extravaganza which will be having a perfect blend of keynote addresses and oral presentations via online mode through which an ample networking opportunities for collaborations and partnerships that can drive wide recognition and adds value to the enlisted career profiles from the world's brightest minds in engineering and technology. This platform will eventually benefit the young research minds to bring forth the ideas and develop it into a solution for future world. Conduction of conference will be done virtually (Online mode).

TOPICS OF THE CONFERENCE

- CONSTRUCTION TECHNOLOGY AND MANAGEMENT
- CONSTRUCTION MATERIALS
- ENVIRONMENTAL ENGINEERING
- GEOTECHNICAL ENGINEERING
- STRUCTURAL ENGINEERING
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

SUBMISSION GUIDELINES

Authors intending to present papers are requested to send softcopy of full length paper in IEEE format not exceeding 5 pages to e-mail: necicetce2021@gmail.com. The selected papers will be notified for registration.

- Number of Authors per paper is limited to four only.
- E-certificate will be provided to authors who are present during their paper presentation.
- ISBN International conference proceedings will be provided with an additional charge of INR 350 (Cost of one book).
- International Conference will be conducted on Microsoft Teams.
- All submissions must include Title, Author(s) and Affiliation(s), Full Address for correspondence

PARTICIPANTS

Research Scholars / Academicians / Industrial Professionals / Students

CONFERENCE ADVISORY COMMITTEE

Dr.Chitrisi Mesumder,
Research Scientist, Asian Institute of Technology, Bangkok, Thailand

Dr.K.V.S.G.Murali Krishna,
Professor, Dept. of CE, JNTUK

Dr.T.V.S.Vara Lakshmi,
Asst. Prof, Dept. of CE, ANU Guntur

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Professor, Dept.of CE, Andhra University

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Assoc. Professor, Dept of CE, K L University, Vijayawada

Dr.P.Mallikarjuna,
Assoc. Professor, Dept. of CE, SV University, Tirupathi

Dr.G.Mallikarjuna Rao,
Assoc. Professor, Dept of CE, VCE, Hyderabad

IMPORTANT DATES

Paper Submission opens from	: 28th June, 2021
Paper Submission closes on	: 22nd July, 2021
Acceptance Intimation	: 24th July, 2021
Camera Ready Paper, Copy right form Submission & Author Registration	: 26th July, 2021
Conference Dates	: 06th & 07th August, 2021

REGISTRATION DETAILS

Categories	Registration Fees
Research Scholars / Faculty	Rs. 300/-
R & D / Industry	Rs. 500/-
Foreign Delegates	US$ 50

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)
Narasaraopet - 522601, Guntur District, A.P.
INTERNATIONAL CONFERENCE ON
EMERGING TRENDS IN CIVIL ENGINEERING
NEC-ICETCE-2K21
(VIRTUAL)
06th - 07th August, 2021

APPLICATION FORM

1. Name (in Block Letters) : _____
2. Designation : _____
3. College / Organization : _____
4. Address for Communication : _____
_____
_____
Phone No. (with STD Code) : _____
Mobile No. : _____
E-mail ID : _____
5. Title of the Paper : _____
_____
6. Fees: (Tick √ whichever is applicable)
For Research Scholars/Faculty : INR 300
For R&D / Industry : INR 500
For Foreign delegates : US$ 50
7. Mode of Payment: Phone Pay/GPay/Online Transfer
Name of the Beneficiary : Narasaraopet Engineering College
Special Saving Account No : 476010100026877
Bank Name : Axis Bank (Narasaraopet Branch)
IFSC Code: UTIB0000476

DECLARATION

The information provided by me is true to the best of my knowledge. If selected, I agree to abide by rules and regulations of the organization and shall attend the international conference for the entire duration. I also undertake the responsibility to inform the Convener, in case I am unable to attend the international conference.

Place:
Date:

Signature of the Participant

IQAC

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,
Accredited 'A' Grade by NAAC, Accredited by NBA

VIRTUAL INTERNATIONAL CONFERENCE ON

EMERGING TRENDS IN CIVIL ENGINEERING

NEC-ICETCE-2K21

06th & 07th August, 2021

Organized by Department of Civil Engineering

About the Conference

The Department of Civil Engineering Narasaraopeta Engineering college(Autonomous) is glad to announce the "International Conference on Emerging Trends in Civil Engineering (NEC-ICETCE 2021)" on 06th and 07th August, 2021 at Narasaraopeta Engineering College(Autonomous) Andhra Pradesh, India. The NEC-ICETCE 2021 provides a two-day research extravagance which will be having a perfect blend of keynote addresses and oral presentations via online mode through which an ample networking opportunities for collaborations and partnerships that can drive wide recognition and adds value to the enlisted career profiles from the world's brightest minds in engineering and technology. This platform will eventually benefit the young research minds to bring forth the ideas and develop it into a solution for future world. Conduction of conference will be done virtually (Online mode).

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- CONSTRUCTION TECHNOLOGY AND MANAGEMENT
- CONSTRUCTION MATERIALS
- ENVIRONMENTAL ENGINEERING
- GEOTECHNICAL ENGINEERING
- STRUCTURAL ENGINEERING
- PRE-STRESSED AND PREFABRICATED STRUCTURES
- TRANSPORTATION ENGINEERING
- ADVANCES IN SURVEYING
- WATER RESOURCE ENGINEERING
- GEOLOGY AND GEO PHYSICS
- REMOTE SENSING & GIS

Submission Guidelines

Authors intending to present papers are requested to send softcopy of full length paper in IEEE format not exceeding 5 pages to e-mail necicetce2021@gmail.com
The selected papers will be notified for registration.

- Number of Authors per paper is limited to four only.
- E-certificate will be provided to authors who are present during their paper presentation.
- ISBN International conference proceedings will be provided with an additional charge of INR 350 (Cost of one book)
- International Conference will be conducted on Microsoft Teams.
- All submissions must include Title, Author(s) and Affiliation(s), Full Address for correspondence including phone number and e-mail id.

Conference Advisory Committee

Dr.Chitrini Mozumder,
Research Scientist, Asian Institute of Technology, Bangkok, Thailand
Dr.K.V.S.G.Murali Krishna,
Professor, Dept.of CE, JNTUK
Dr.T.V.S.Vara Lakshmi,
Asst. Prof, Dept. of CE, ANU Guntur.
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Dr.P.Mallikarjuna,
Assoc. Professor, Dept of CE, SV University, Tirupathi
Dr.G.Mallikarjuna Rao, Assoc. Professor, Dept of CE, VCE, Hyderabad

Registration & Account Details

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IFSC Code: UTIB0000476

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Dr. D.Suneel,
M.Tech., Ph.D., FIE(I) MISTE., MRSI
Vice Principal

Contact Details

Convener:
Dr.P.NagaSowjanya,
B.Tech., M.Tech Ph.D.
Assoc. Professor & Dept. Head 8897170424

Co-Conveners:

Dr. G.Babu Rao	- 9885812796
Mr.S.Murali	- 8374694569
Mr. K.Prathap	- 9247143439
Mr.S.V.Sivaraju	- 9966601077
Mr. K.Meghanadh	- 9550552735
Mr.B.Shiva Manikanta	- 9441882822

Paper Submission through E-mail
necicetce2021@gmail.com

Organizing Committee

Mr.K.Meghanadh
Mr.G.L.S.K.Chaithanya
Mr.K.Venkatesh
Mr.K.V.Prathap
Mr.K.Anil Kumar
Mr.B. Shiva Manikanta
Mr.M.N.S.Sambasivarao
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Mr.D.Pradeep
Mr.N.M.Subhani

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(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Approved by AICTE, Affiliated to JNTUK, Kakinada, Accredited by NBA&NAAC, RTA Approved Pollution test Centre, ISO 9001 : 2008 Certified Institution)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur district, Andhra Pradesh
Phone No. : 08647-239923, 9692464540, Fax No. : 08647-239902
Website: http://www.nrtec.in

Date: 09/08/2021

PROGRAMME REPORT

Name of the Programme : A Virtual International Conference on **"Emerging Trends In Civil Engineering", NEC-ICETCE-2K21**

Dates : 6th & 7th August 2021

Details of the Resource Person

Name : Dr. Chitrini Mozumder

Designation : Affiliated Faculty & Research Specialist

Organization : Asian Institute of Technology, Thailand

Phone No. : +66-2-524 6391

Email : chitrini@ait.asia

Objectives of the Programme:

- Over view of Geo Spatial Technologies For Urban Sustainability
- New trends of constructions and technologies
- Analyzing of local area land usage through Remote sensing & GIS
- Performance of Flyash in soil stabilization
- Investigation on Soil structure and Ground water resources
- Experimenting on the properties of concrete when partially replacing cement with waste materials
- Structural stability of different framed structures on different seismic zones
- Usage of Primavera software for construction planning
- Utilizing plastic waste in flexible pavements
- Prediction of future water demands in local area and designing water tanks

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Topics Covered:

- Geo spatial technologies
- Recent updates and technologies in civil engineering
- Remote sensing and Geographical Information system
- Soil stabilization techniques
- Concrete technology with different ingredients
- Structural and seismic analysis
- Construction planning and management using trending software
- Transportation Engineering with altered waste materials in road construction
- Infrastructural engineering with water demand

Outcomes of the Programme:

- Infrastructural Development of Urban areas
- Implementation of updated technologies with faster way of project completion
- Development local areas with help of survey data
- Stabilizing soil with low cost
- Better knowledge in soil structure
- Optimum usage and recharge of ground water
- Strength improved concrete with low cost alternative ingredients
- Earthquake resistant structures
- Time and cost saving in construction projects with reduced paper work
- Usage of plastic wastes to save environment and improved pavement design
- Solving future water demands with durable water tank construction

No. of participants: 41

Coordinator

HOD

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PRINCIPAL
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A Five-Day Faculty Development Programme on "Reverse Engineering"

Brochure

A One Week Online Faculty Development Programme on "Reverse Engineering"

During

25th – 29nd October - 2021

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to mechod@nrtec.in

Any queries contact: +91-9985808908

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited Thrice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes, Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

A One Week Online Faculty Development Programme On "REVERSE ENGINEERING"

During

25th – 29nd October - 2021

Organized

By

Department of Mechanical Engineering

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Accredited 'A' Grade by NAAC, Accredited Twice by NBA,

Recognized R&D center by JNTUK,

ISO 9001: 2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechhod@nrtec.in

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc,.The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF SHORT TERM COURSE

The reverse engineering technology helps in the creation of a three-dimensional virtual model of the physical part that already exists. The course will teach the faculty, the different methods of importing, parsing, manipulating, and modifying 3D data. The course will also equip the faculty to analyze the structure, function, and operations of a product. The faculty will also learn the applications of computed tomography scanning, 3D optical scanning, digital archiving.

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COURSE CONTENT

- Introduction to Reverse Engineering
- Concurrent Engineering & its role in Product Development
- Reverse Engineering in Product Development & CAD for Reverse Engineering
- Special Session on National Education Policy – 2020
- 3D CAD Modeling & Online Practice Session in CAD
- Reverse Engineering using 4D Printing
- FEA for Product Development & Online Practice Session in FEA
- Reverse Engineering Workflow: A Case Study
- Product Development in Medical Industry.

WHOM TO ATTEND

- Faculty from all the disciplines.

RESOURCE PERSON

Dr. B. S. Pabla, NITTTR - Chandigarh.
Dr. S. S. Dhami, NITTTR – Chandigarh
&
Team of faculty from IIT's & NITs



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Sri M.S. Chakravarthi
B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

Patrons
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Sri M. Ramesh Babu
Secretary, NEC Group

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Principal

Dr. D. Suneel
M.Tech, Ph.D , M.I.S.T.E, FIE(I)
Vice- Principal

Coordinator
Mr. M. Venkanna Babu
Asst. Professor, Dept. of ME

Convener
Dr. B. Venkata Siva
M.Tech, Ph.D , M.I.S.T.E, FIE(I),ISNT
Professor & HOD, Dept. of ME

ORGANIZING COMMITTEE

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Dr. P. Suresh Babu	Mr.B. Rajiv kumar
Mrs. P. Sravani	Mr. Ch Sekhar
Mr. M. Venkanna Babu	Mr. A. Pavan Kumar
Mr. M. Venkaiah	Mr. B. Ram Babu
Mr. P. Srinivasarao	Mr. S.K. Bajan
Mr. K.Kiran chand	Mr. Sk. Nagul Meeravali
Mr. T.N.V.Mahesh Babu	Mr. D. Raghavendra
Mr. N. Vijaya Sekhar	Mr. K. John Babu

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NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 30-10-2021

PROGRAMME REPORT

Name of the Programme : A Five-Day Faculty Development Programme on "Reverse Engineering"

Dates : 25th To 29 St October 2021

Details of the Resource Persons :

1. Name : Dr. B S Pabla
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759525.
   Mail.Id : bsp@nitttrchd.ac.in.
2. Name : Dr. Sukhdeep Singh Dhami
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759659
   Mail.Id : ssdhami@nitttrchd.ac.in.

Objective of the programme:

For example, when a new machine comes to market, competing manufacturers may buy one machine and disassemble it to learn how it was built and how it works. A chemical company may use reverse engineering to defeat a patent on a competitor's manufacturing process. Reverse engineering is generally legal. In trade secret law, similar to independent developing, reverse engineering is considered an allowed method to discover a trade secret. However, in patent law, because the patent owner has exclusive rights to use, own or develop the patent,

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reverse engineering is not a defense.

Reverse-engineering is used for many purposes: as a learning tool; as a way to make new, compatible products that are cheaper than what's currently on the market; for making software interoperate more effectively or to bridge data between different operating systems or databases; and to uncover the undocumented.

In mechanical engineering, the term reverse engineering (often abbreviated to RE) is used to Summaries the process of reconstructing an existing object. When designing an object from scratch, an engineer will draw up a design specification and produce drawings from which the item is constructed.

Topic Covered:

- Automatic Extraction of Framework-Specific Models From Framework-Based Application Code
- Fast Extraction of High-Quality Framework-Specific Models from Application Code
- Supporting Framework Use via Automatically Extracted Concept-Implementation Templates
- Swing to SWT and Back: Patterns for API Migration by Wrapping
- Framework-specific modeling languages
- Comprehending Object-Oriented Software Frameworks Through Dynamic Analysis
- Mining Implementation Recipes of Framework-Provided Concepts in Dynamic Framework API Interaction Traces
- Formal Semantics of the Kconfig Language
- Formal Semantics of the CDL Language
- Reverse Engineering Feature Models
- Two Studies of Framework-Usage Templates Extracted from Dynamic Traces
- Example-Driven Modeling poster

Outcome of the programme:

- Exploring existing designs and maneuvers.
- Reconstructing a product that is outdated.
- Discovering any product vulnerabilities.
- Bringing less expensive & more efficient products to the market.
- Creating a reliable CAD model for future reference.
- Inspiring creative minds with old ideas.

No. of participants: 60

Coordinator

HOD

IQAC

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

A One-Week Faculty Development Program on "Modelling & Simulation Using MATLAB"

Brochure

A One Week Online Faculty Development Programme on "Modelling & Simulation Using MATLAB"

During

27th – 31st December - 2021

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC.

Signature of the Applicant

Date:

Place:

Note: Registration is limited to 50 members only on first-cum-first serve basis. Lunch and snacks will be provided. Send the scan copy of Registration form to mechod@nrtec.in

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC, Accredited Thrice by NBA and ISO 9001: 2008 certified. NEC is announced as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college management has an MOU with Oracle University (USA). NEC is the first Engineering College in A.P. to sign MOU with a Foreign University. The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers six M.Tech programmes. Two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem, Venture Development Centre (VDC) is established in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center is also established to provide students access to the most advanced courses by industry giants. The college has MOU with New Mexico State University, USA, which enables student and faculty exchange programs.

Narasaraopet is on the railway line of Guntur to Guntakal and is on the state highway. It is 240 km from Hyderabad and 50km from Guntur, A.P.

IQAC

A One Week Online Faculty Development Programme On "Modelling & Simulation Using MATLAB"

During

27th – 31st December - 2021

Organized

By

Department of Mechanical Engineering

NARASARAOPETA NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Accredited 'A' Grade by NAAC, Accredited Twice by NBA,

Recognized R&D center by JNTUK,

ISO 9001: 2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechod@nrtec.in

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students and in course of time it has increased to 180.The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The department is recognized as research and development center by JNTUK, Kakinada. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories. Department has equipment beyond curriculum like stir casting machine, 3D printer, Fatigue testing machine, Five gas analyzer, Ultrasonicator, Tool makers microscope, magnetic particle tester etc.,The department has highly qualified, experienced, dedicated faculty with industry and research background. The department has received funding from different agencies like UGC, AICTE towards MODOROBS, FDP etc. Department has RTA, Government of AP approved pollution test centre. Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

OBJECTIVE OF SHORT TERM COURSE

MATLAB is one of the most widely used tool for a variety of tasks like modeling of mechanical systems, vibration analysis and control system design. The course is being organized to introduce the concept and applications of MATLAB to the technical teachers.

COURSE CONTENT

- Introduction to MATLAB
- Programming in MATLAB
- Modeling & Simulation in MATLAB
- Introduction to Simulink
- Complex System Modeling and Simulation in MATLAB/Simulink
- Neural Network Modeling using MATLAB

WHOM TO ATTEND

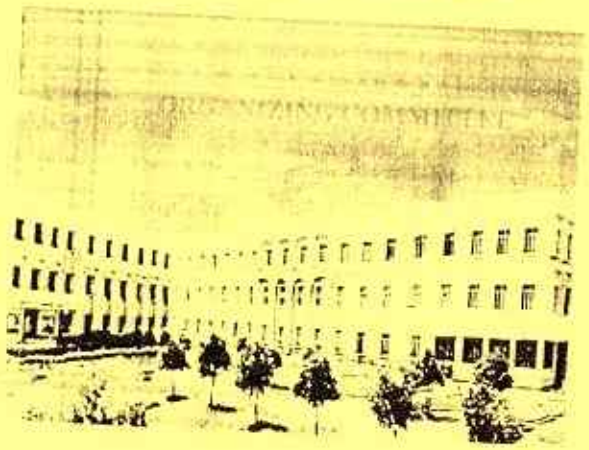
- Faculty from all the disciplines.

RESOURCE PERSON

Dr.S.S.Dhami , NITTTR –Chandigarh.
Dr. K.C.Lachhwani , NITTTR – Chandigarh.
Dr. Lini Mathew, NITTTR – Chandigarh
Dr. B.S.Dhaliwal, NITTTR – Chandigarh
Dr. Vanraj, IAIA R&D Division, Ambala

&

Team of faculty from IIT's & NITs



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B.Tech, MS (USA), Exec-MBA (ISB)
Vice - Chairman, NEC Group

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Vice- Principal

Coordinator
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Asst. Professor, Dept. of ME

Convener
Dr. B. Venkata Siva
M.Tech, Ph.D , M.I.S.T.E, FIE(I),ISNT
Professor & HOD, Dept. of ME

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Program Report

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, A.P., India.
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website:www.nrtec.in

Date: 03-01-2022

PROGRAMME REPORT

Name of the Programme : A One-Week Online Faculty Development Programme on "Modeling & Simulation Using MAT LAB"

Dates : 27th To 31 St December 2021

Details of the Resource Persons :

1. Name : Dr . Sukhdeep Singh Dhami
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759659
   Mail.Id : ssdhami@nitttrchd.ac.in.
2. Name : Dr. Kailash Chandra Lachhwani
   Designation : Assistant Professor
   Organization : NITTTR, Chandigarh
   Phone No : 0172-2759771
   Mail.Id : kailashclachhwani@yahoo.com.

Objective of the programme:

Simulation software helps you predict the behavior of a system. You can use simulation software to evaluate a new design, diagnose problems with an existing design, and test a system under conditions that are hard to reproduce, such as a satellite in outer space.

Engineers and scientists use Simulink to perform multidomain modelling and simulation, because you can reuse models across environments to simulate how all parts of the system work together. With Simulink, you can:

- Model your system across domains using specific tools and prebuilt blocks.

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- Develop large-scale models through componentization with reusable system components and libraries.
- Combine your models into one system-level simulation even if they weren't built in Simulink.
- Run massive simulations in parallel on your multicore desktop, computer cluster, or the cloud, without writing lots of code.
-

Topic Covered:

Mathematical models are critical to understanding and accurately predicting the behavior of complex systems. These models enable critical tasks, such as:

- Introduction of MATLAB
- Programming in MATLAB
- Forecasting and optimizing system behavior
- Designing control systems
- Characterizing system response

Products provide all the tools you need to develop mathematical models. MATLAB supports both numeric and symbolic modelling approaches and provides curve fitting, statistics, optimization, ODE and PDE solving, calculus, and other core mathematical tools. Simulink adds an environment for modelling and simulating the behaviour of multidomain systems and for developing embedded systems.

Outcome of the programme:

- Implement and test your algorithms easily.
- Develop the computational codes easily.
- Debug easily.
- Use a large database of built-in algorithms.
- Process still images and create simulation videos easily.
- Symbolic computation can be easily done.
- Call external libraries.

No. of participants: 60

Coordinator

HOD

IQAC

Principal