

A Two week workshop
On
"PRIMA VEERA"

01st- 14th APRIL, 2021

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 Training Programme.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
civilhod@nrtec.in
Any quires contact: 08647 239906

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, IT, CSE, IT, CSE(AI) 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), 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 Two week workshop
On
"PRIMA VEERA"

01st- 14th APRIL, 2021

In Association with
AAGIIT, Chennai.



Organized by
Department of Civil 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 239906

FAX : 08647 239906

E-Mail : civilhod@nrtec.in


PRINCIPAL

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601

Guntur (Dist.), A.P.



ABOUT THE DEPARTMENT

What We Do

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.

Our faculty and staff are dedicated to teaching 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.

What We Offer

Established in the year 2009, our Department of Civil Engineering offers undergraduate programme (B.Tech) with a flexible curriculum that adapts to the ever-increasing discoveries in the field.

Our civil engineering department employs an experienced faculty and cutting-edge learning avenues in the fields of Surveying, Fluid Mechanics, Strength of Materials, Engineering Geology and Environmental Engineering, Geotechnical Engineering, Highway Engineering, and Concrete Technology.

Our department also offers specialization in structural, geotechnical, hydraulics and water resources, environmental, construction, transportation, and more.

Our students attend workshops, conferences, seminars, and paper-presentation forums that focus on interdisciplinary topics, and receive exposure to guest lecturers of premium institutions.

We offer an education that will transform our students into leaders in the field of civil engineering.

ABOUT AGIIT:

AGIIT training is one of the leading industrial automations training division which provide a hands-on practical training in Industrial Automation platform. We provide a stepping stone for success in the field of Industrial automation. We have designed firmware applications for PLC, DCS and SCADA System. We have focused on Industrial Automation design in various sectors like Process industries, Production industries, Building automation, oil & gas and power distribution.

OBJECTIVE OF COURSE

After completing this course you will able to:

- Create a Work Breakdown Structure
- Add Activities
- Customize activity views
- Create Relationships
- Schedule the project
- Assign constraints
- View the Enterprise Project Structure
- Optimize the project schedule
- Assign roles and resources
- Analyze resources and cost
- Baseline the project plan
- Execute the project
- Customize dashboards
- Manage risk
- View reports

Resource Persons

Mr.S.Magesh, Sr. Technical Manager

Course Program

The course Program has 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-HRD)
Vice-Chairman, NEC Group.

Sri M.Ramesh Babu
Secretary, NEC Group.

Patron:

Dr. M.Sreenivasa Kumar, M.Tech., Ph.D.(U.K.), MSTE, PHD)
Principal.

Convener:


Dr. Dr. P NAGA SOWJANYA
Associate Professor & Head, Dept. of CE

Coordinator:

Mr. S V Siva Raju
Assistant Professor, Dept. of CE

Organizing Committee:

Dr G Nandini Devi	Professor
Dr G Babu Rao	Associate Professor
Mr. K V Pratap	Assistant Professor
Mr. K Venkatesh	Assistant Professor
Mr. K Meghanadh	Assistant Professor
Mr D Pradeep	Assistant Professor
Mr. M N S Samba	Assistant Professor


Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPETA - 522 604
Guntur (Dist.), A.P.

Date: 22-04-2021

PROGRAMME REPORT

Name of the Programme : A Two week workshop On "PRIMAVEERA"
Dates : 01st- 14th APRIL, 2021
Details of the Resource Persons :
Name : Mr.S.Magesh
Designation : Sr. Technical Manager
Organization : AAGIIT, Chennai.
Phone Number : 9600054674
Mail id : smagesh419@yhoo.co.in

Objective of the Programme:

- ❖ Oracle Primavera's P6 V8 Professional Project
- ❖ Management addresses the challenges faced in working with large scale, highly sophisticated and multifaceted projects.
- ❖ Our two weeks training teaches end-users how to efficiently create schedule, add and assign resources
- ❖ Find Duration and budgeted total cost of the project, using P6, Oracle Primavera's Project Management application.

Topics covered:

- ❖ Project Planning & Management Process - An Overview
- ❖ Primavera P6 Introduction
- ❖ Create Organization Breakdown Structure
- ❖ Create Enterprise Project Structure
- ❖ Create Calendar
- ❖ Create a Project
- ❖ Create a Work Breakdown structure
- ❖ Add activities

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

- ❖ Create Relationships
- ❖ Schedule the project
- ❖ Define Work Products & Documents
- ❖ Define and Assign Resources
- ❖ Define & Assign Project Expenses
- ❖ Create Project Budget
- ❖ Define and Assign Resources
- ❖ Define & Assign Project Expenses
- ❖ Create Project Budget

Outcome of the Programme:

- ❖ Learn to create a Organization Breakdown Structure, Enterprise Breakdown Structure
- ❖ Learn to create a Calendar, Project and a Work breakdown structure
- ❖ Understand how to add activities as required.
- ❖ Create relationships and work out project schedules
- ❖ Learn to define and assign resources, find budgeted total Cost of the Project.
- ❖ Learn to report performance.


No. of Participants: 111


Coordinator


HOD



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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPETA - 524 601.
Dist: Prakasam.

**A One week workshop
On
"REVIT SOFTWARE"**

01st- 06th February, 2021

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 Training Programme.

Signature of the Applicant

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Place :

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The college has established venture development Centre (VDC),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 week workshop
On
"REVIT SOFTWARE"**

01st- 06th February, 2021

In Association with
APSSDC



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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Phone 08647 239906

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E-Mail : civilhod@nrtec.in

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(AUTONOMOUS)

NARASARAOPET - 522 601

Guntur (Dist.), A.P.



ABOUT THE DEPARTMENT

What We Do

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We offer an education that will transform our students into leaders in the field of civil engineering.

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 incorporated 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. APSSDC will also serve the important task of providing high quality skilled manpower as part of the "Knowledge and Skills Mission" of GoAP, which is one of the cross-cutting missions among the seven missions formed by the govt to facilitate double digit growth of the state.

OBJECTIVE OF COURSE

After completing this course you will able to:

- ❖ Describe building information modelling, bidirectional associatively, and parametric relationships in Revit.
- ❖ Understand the user interface, parametric objects, and families, and start projects using templates.
- ❖ Create a modify levels and grids.
- ❖ Create a basic floor plan, add and modify walls and compound walls, use editing tools, and work with doors and windows.
- ❖ Work with components families.
- ❖ Duplicate manage views, control object visibility in views and create elevation, section, and 3D view.
- ❖ Learn how to use dimensions and constraints.
- ❖ Create floors and ceiling, add roofs and curtain walls, and work with stairs and railings in a building model.

Resource Persons

Mr. Srikanth Kethavarapu Technical Skill Trainer,

Mr. Ch.P. Soma Sekharand Technical Skill Trainer

Course Program

The course Program has 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.),MSTE, J(CEI)
Principal.

Convener:

Dr. Dr. P NAGA SOWJANYA
Associate Professor & Head, Dept. of CE

Coordinator:

Mr. D PRADEEP
Assistant Professor, Dept. of CE

Organizing Committee:

Dr G Nandini Devi	Professor
Dr G Babu Rao	Associate Professor
Mr. K V Pratap	Assistant Professor
Mr. K Venkatesh	Assistant Professor
Mr. K Meghanadh	Assistant Professor
Mr. S V Siva Raju	Assistant Professor
Mr. M N S Samba	Assistant Professor



Date: 12-02-2021

PROGRAMME REPORT

Name of the Programme : A One week workshop On "REVIT SOFTWARE"
Dates : 01st- 06th February, 2021
Details of the Resource Persons :
 Name : Mr. Srikanth Kethavarapu
 Designation : Technical Skill Trainer
 Organization : APSSDC
 Phone Number : 9949242753
 Mail id : Srikanth_k@apssdc.in


Objective of the Programme:

- ❖ Describe building information modelling, bidirectional associatively, and parametric relationships in Revit.
- ❖ Understand the user interface, parametric objects, and families, and start projects using templates.
- ❖ Create a modify levels and grids.
- ❖ Create a basic floor plan, add and modify walls and compound walls, use editing tools, and work with doors and windows.
- ❖ Work with components families.
- ❖ Duplicate manage views, control object visibility in views and create elevation, section, and 3D view.
- ❖ Learn how to use dimensions and constraints.
- ❖ Create floors and ceiling, add roofs and curtain walls, and work with stairs and railings in a building model.



IQAC

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

A Two week Student Training Programme
on
"Power Electronics, Drives & Automation"

19th- 30th April, 2021

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 Training Programme.

Signature of the Applicant

Date :

Place :

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



ABOUT THE COLLEGE

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A Two week Student Training Programme
on
"Power Electronics, Drives & Automation"

19th- 30th April, 2021

In Association with
Power Integrated Solutions



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

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 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 Power Integrated Solutions:

Power Integrated Solutions, the innovators in Commercial, Electronics Products, Engineering Lab Equipment's and IEEE & NON-IEEE Based projects. Our service offers for the complete product development cycle. Our team has more than 4+ year experience in the field of embedded based application designing, product development, project training and course training so. We have also done more than 100 projects based on Electronic, Electrical, Computer Science, Power Electronics and Power System. In the world, there is a strong demand from industry for engineers who have implementing new technologies for a task. Project Center in Trichy is a design company that works closely with its technical customers to achieve results as fast and as cost effectively as possible. With a highly skilled and experienced team of engineers, we provide a broad range of electronic design skills and resources to your project, as it is needed. This gives the project manager the flexibility and control to optimize the project for fast completion or cost, or to react to the unexpected Specialist Area.

OBJECTIVE OF COURSE

This training Programme is specially de-signed for Engineering College students and it mainly deals with various aspects of Power Electronics, Drives and Automation. 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 students conversant with relevant practices in Power Electronics, Drives.

Power Electronics, Drives & Automation 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:

Design and develop a Matlab model for power converter circuits

Analyze the operation and performance of power converter circuits

Choose a power converter circuit for specific application

Apply power converter circuits for electric drives application

Resource Persons

- Mr. Madhan kumar Senior Technical Executive,
Power integrated solutions

Course Program

The course Program has 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 Power Integrated Solutions



Chief Patrons:

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

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

Sri M.Ramesh Babu
Secretary, NEC Group.

Patron:

Dr. M.Sreenivasa Kumar, M.Tech, Ph.D.(UK), M.B.S.TU, Ph.D.
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
B.Praveen Kumar	Assistant Professor
G.Naveen	Assistant Professor
M,Subramanyam	Assistant Professor


Principal
NARASIRAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASIRAOPETA - 522 501



NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

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: 10-5-2021

PROGRAMME REPORT

Name of the Programme : Two weeks Student Training Programme on
"Power electronics, Drives & Automation"

Dates : 19th to 30th April, 2021

Details of the Resource Persons :

1. Name : Mr. Mr. Madhan kumar
Designation : Senior Technical Executive
Organization : Power Integrated Solutions
Phone No : 8248885959
Mail.Id : madhankmr89@gmail.com

Objective of the programme:

This training Programme is specially de-signed for Engineering College students and it mainly deals with various aspects of Power Electronics, Drives and Automation 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 students conversant with relevant practices in Power Electronics, Drives.

Power Electronics, Drives & Automation 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

Topic Covered:



- Explaining about how to open, Simulink Library
- Transformer Design, Solar Panel Construction, Wind Construction.

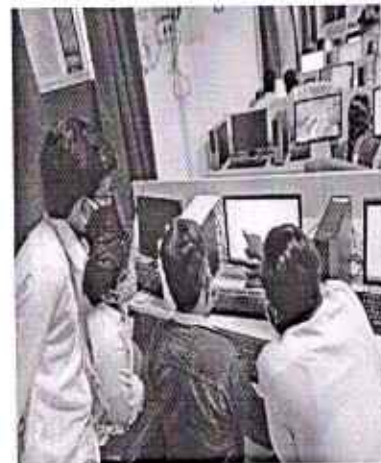
Bridge rectifier, Boost converter, Buck converter
 (Elements selection, Scope Features, Fault detection and Isolation,
 Feedback and doubt clarification)

Outcome of the programme:

- Design and develop a Matlab model for power converter circuits
- Analyze the operation and performance of power converter circuits
- Choose a power converter circuit for specific application
- Apply power converter circuits for electric drives application

No. of participants: 58

Photos with tag line




 Coordinator


 HOD



Course Content:

- Introduction to CATIA software and interface of the software
- Introduction to sketcher workbench, sketch creation, modifications, constraining
- Introduction to part design, creating 3d models from 2d sketches
- Creating 3D models by following correct tree structure, Boolean operations applying for the 3d models.
- Introduction to assembly, creating assembly for the 3d models
- Introduction to drafting, creating drafting to 3d models & Exam.

RESOURCE PERSONS

- ❖ Nuthakki Mahesh Babu
 - ❖ Alapati Tejo Amareswar
 - ❖ Nayudu Srikanth
 - ❖ A V B Sujith
- Trainers from APSSDC

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



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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.

A One Week workshop

on

**"PRODUCT DESIGN AND
DRAFTING BY CATIA"**

During

20th-25th September - 2021

Organized

By

Department of
Mechanical Engineering
in Association with
APSSDC

**NARASARAOPETA
NEC ENGINEERING COLLEGE**

(AUTONOMOUS)

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FAX : 08647-239902

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(AUTONOMOUS)

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Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

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OBJECTIVES OF WORKSHOP

- ❖ Competence with a set of tools and methods for product design and development using CATIA.
- ❖ Confidence in students own abilities to create a new product.
- ❖ Awareness of the role of multiple functions in creating a new product (e.g. marketing, finance, industrial design, engineering, production) and drafting using CATIA.
- ❖ Ability to coordinate multiple, interdisciplinary tasks in order to achieve a common objective.
- ❖ Reinforcement of specific knowledge from other courses through practice and reflection in an action-oriented setting.
- ❖ Enhanced team working skills in new product design.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
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- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

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Chief Patron

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Vice - Chairman, NEC Group

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Mr. M. Venkaiiah	Mr. Shaik Bajan
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E-mail : principal@nrtec.in

PROGRAMME REPORT

Name of the Programme : PRODUCT DESIGN AND DRAFTING BY CATIA

Dates : 20th-25th September - 2021

Details of the Resource Persons :

Name:

Nuthakki Mahesh Babu
Alapati Tejo Amareswar
Nayudu Srikanth
A V B Sujith

Designation : Trainers
Organization : APSSDC
Phone Number : 8801088471, 9666039895
Mail id : priyadarshi.k@apssdc.in

Objective of the Programme:

- ❖ Competence with a set of tools and methods for product design and development using CATIA.
- ❖ Confidence in students own abilities to create a new product.
- ❖ Awareness of the role of multiple functions in creating a new product (e.g. marketing, finance, industrial design, engineering, production) and drafting using CATIA.
- ❖ Ability to coordinate multiple, interdisciplinary tasks in order to achieve a common objective.
- ❖ Reinforcement of specific knowledge from other courses through practice and reflection in an action-oriented setting.
- ❖ Enhanced team working skills in new product design.

Topics covered:

- ❖ Introduction to CATIA software and interface of the software
- ❖ Introduction to sketcher workbench, sketch creation, modifications, constraining
- ❖ Introduction to part design, creating 3d models from 2d sketches using CATIA
- ❖ Creating 3D models by following correct tree structure, Boolean operations applying for the 3d models using CATIA.




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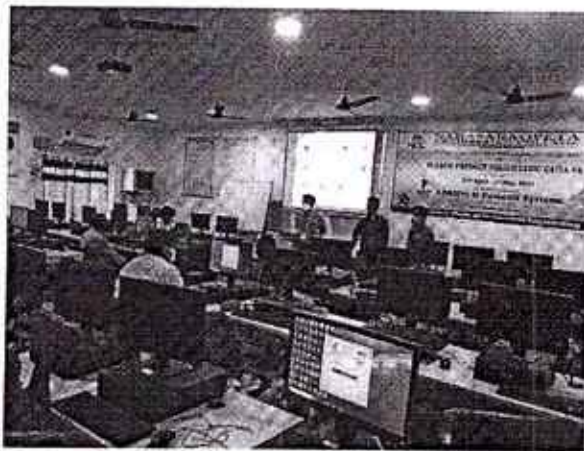
- ❖ Introduction to assembly, creating assembly for the 3d models
- ❖ Introduction to drafting, creating drafting to 3d models & Exam.

Outcome of the Programme:

- ❖ Use their capacity of vision to interpret and/or convey the technical information in an industrial drawing.
- ❖ Know and be able to apply graphical representation techniques using traditional metric geometry and descriptive geometry methods.
- ❖ Know, identify, interpret and apply the current standards on Industrial Technical Drawing.
- ❖ Computer aided design applications that allow students to elaborate and use graphical and technical information.

No. of Participants: 97

Photos with tag line:



M.V.S.
Coordinator



H.Q.D.
H.Q.D.

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET - 522 601, Guntur (Dist.), A.P.

M.K.
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Course Content:

- Introduction to Solid Edge and interface of the software
- Introduction to sketcher workbench, sketch creation, modifications, constraining
- Introduction to part design, creating 3d models from 2d sketches
- Part design by ordered & synchronous methods
- Introduction to assembly, creating assembly for the 3d models
- Introduction to drafting, creating drafting to 3d models & Exam.

RESOURCE PERSONS

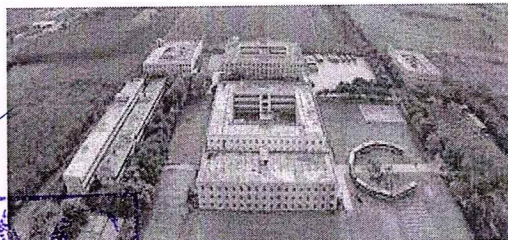
- ❖ Nuthakki Mahesh Babu
 - ❖ Nayudu Srikanth
 - ❖ Kolagadi Jaya Durga Phani
 - ❖ Venna Vijaya Kumar
- Trainers from APSSDC

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



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 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.

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A One Week workshop on "PRODUCT DESIGN AND DRAFTING BY SOLID EDGE"

During
4th-9th JANUARY - 2021

Organized
By

**Department of
Mechanical Engineering
in Association with
APSSDC**

**NARASARAOPETA
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Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechhod@nrtec.in

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E-mail : principal@nrtec.in

PROGRAMME REPORT

Name of the Programme : Product Design and Drafting by Solid Edge

Dates : 4th-9th JANUARY - 2021

Details of the Resource Persons
with Phone Number :

- ❖ Nuthakki Mahesh Babu- 8801088471
- ❖ Nayudu Srikanth- 9014140718
- ❖ Kolagadi Jaya Durga Phani-8897291878
- ❖ Venna Vijaya Kumar-9640337825

Designation : Trainer
Organization : APSSDC
Mail id : priyadarshi.k@apssdc.in

Objective of the Programme:

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Topics covered:

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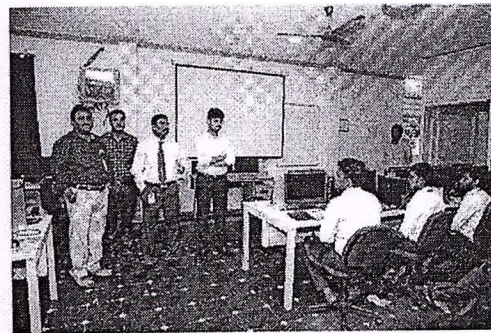
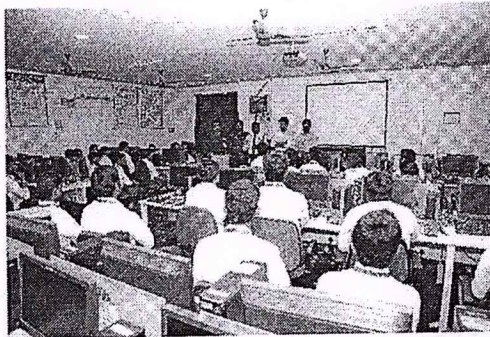
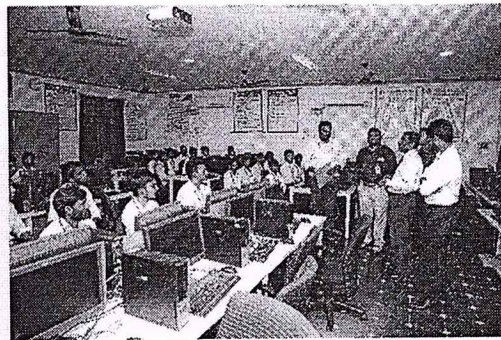
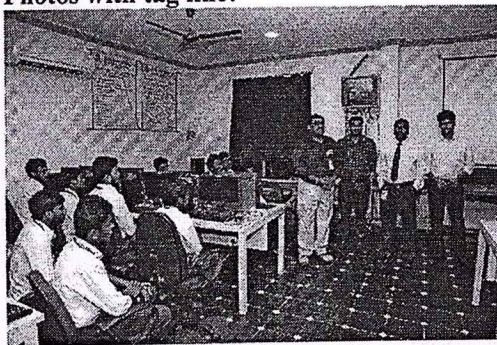

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Outcome of the Programme:

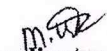
- ❖ Use the Product Design and Development Process, as a means to manage the development of an idea from concept through to production.
- ❖ Employ research and analysis methodologies as it pertains to the product design process, meaning, and user experience using Solid Edge.
- ❖ Apply creative process techniques in synthesizing information, problem-solving and critical thinking.
- ❖ Use basic fabrication methods to build prototype models for hard-goods and soft-goods and packaging.
- ❖ Demonstrate, apply, explain, and recognize basic family of materials used in soft-goods and hard-goods, including sustainable materials and manufacturing processes using Solid Edge.

No. of Participants: 103

Photos with tag line:



Product Design and Drafting by Solid Edge photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (Dt), A.P.


IQAC


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

Course Content:

- ❖ PLC Fundamentals - (Block diagram of PLC's) Applications and Types of Transformers
- ❖ Open-Circuit and Short-Circuit Tests
- ❖ Types of Inputs & outputs / Source Sink Concepts
- ❖ Introduction to the field devices
- ❖ Concept of flags and Scan cycle execution
- ❖ File handling and Comment functions
- ❖ Master control /set /reset function
- ❖ Monitoring Arrays & Tags of User-Defined Data Types
- ❖ Editing Ladder Logic Online
- ❖ Troubleshooting Controller Problems

RESOURCE PERSONS

- ❖ Mrs.Mittameedi Gokula Sukanya Trainers from APSSDC

For Any Queries Contact:

Mr. M.Venkaiiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



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A Two Week workshop

on

"Programmable

Logic Controller (PLC)"

During

15th-27th NOVEMBER - 2021

Organized

By

Department of
Mechanical Engineering

In association with

APSSDC

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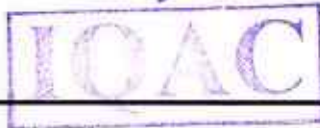
FAX : 08647-239902

E-Mail : mechhod@nrtec.in

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OBJECTIVES OF WORKSHOP

- Demonstrate knowledge of programmable logic controllers.
- Demonstrate knowledge of process control systems.
- Program using ladder logic programming of software.
- Design PLC based system for process control.
- Use digital and analog I/O.
- Understand various timers, counters, fault and interrupt systems.
- Define and design a PLC based process control system, its software/hardware design.
- Write a report and present results.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.

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Vice - Chairman, NEC Group

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Mr. A.Pavan Kumar

Mr. N. Vijaya Sekhar

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Visit us at : www.nrtec.in

E-mail : principal@nrtec.in

PROGRAMME REPORT

Name of the Programme : Programmable Logic Controller (PLC)

Dates : 15th-27th NOVEMBER - 2021

Details of the Resource Persons :

Name : Mrs.Mittameedi Gokula Sukanya
Designation : Trainer
Organization : APSSDC
Phone Number : 7095270576
Mail id : chandirani.d@apssdc.in

Objective of the Programme:

- ❖ Demonstrate knowledge of programmable logic controllers.
- ❖ Demonstrate knowledge of process control systems.
- ❖ Program using ladder logic programming of software.
- ❖ Design PLC based system for process control.
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- ❖ Write a report and present results.

Topics covered:

- ❖ PLC Fundamentals - (Block diagram of PLC's) Applications and Types of Transformers
- ❖ Open-Circuit and Short-Circuit Tests
- ❖ Types of Inputs & outputs / Source Sink Concepts
- ❖ Introduction to the field devices
- ❖ Concept of flags and Scan cycle execution
- ❖ File handling and Comment functions
- ❖ Master control /set /reset function
- ❖ Monitoring Arrays & Tags of User-Defined Data Types




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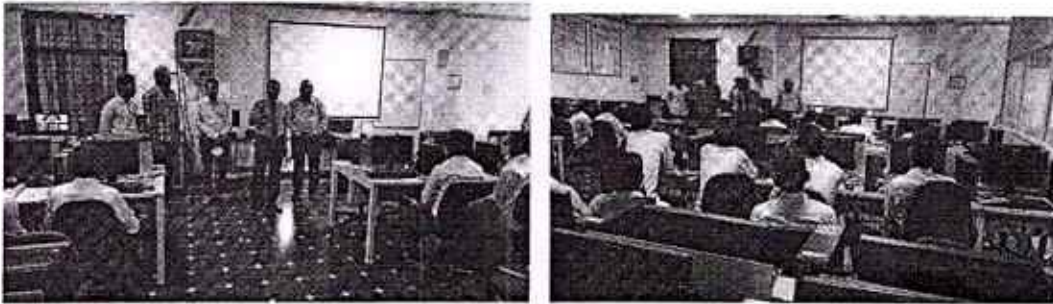
- ❖ Editing Ladder Logic Online
- ❖ Troubleshooting Controller Problems

Outcome of the Programme:

- ❖ Students will be able to describe typical components of a Programmable Logic Controller.
- ❖ Students will be able to explain the basic concepts of a Programmable Logic Controller.
- ❖ Students will be able to state basic PLC terminology and their meanings.
- ❖ Students will be able to explain and apply the concept of electrical ladder logic, its history, and its relationship to programmed PLC instruction.
- ❖ Students will be able to explain the concept of basic digital electronics and data manipulation.
- ❖ Students will be able to use timer, counter, and other intermediate programming functions.
- ❖ Students will be able to design and program basic PLC circuits for entry-level PLC applications.
- ❖ Students will be able to design and program a small, automated industrial production line.

No. of Participants: 101

Photos with tag line:



Programmable Logic Controller (PLC) photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (D), A.P.




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

Course Content:

- ❖ Fundamentals of IOT
- ❖ Arduino Simulation Environment
- ❖ Sensor & Actuators with Arduino
- ❖ Basic Networking with ESP8266 Wi-Fi module
- ❖ IoT Protocols
- ❖ Cloud Platforms for IOT

RESOURCE PERSONS

- ❖ Mrs. M.Gokul Sukanya
Trainer from APSSDC

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



ABOUT THE COLLEGE

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A Two Week workshop on

“Internet of Things (IOT)”

During
15th-27th NOVEMBER - 2021

Organized
By

Department of
Mechanical Engineering
in Association with
APSSDC

 **NARASARAOPETA**
NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O.)

Narasaraopet - 522601, Guntur District, A.P.

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Phone : 08647-239923

FAX : 08647-239902

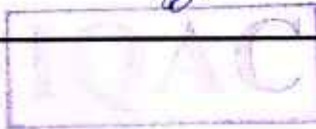
E-Mail : mechhod@nrtec.in

NARASARAOPETA ENGINEERING COLLEGE

NAAC Accredited 'A' Grade
Center (Autonomous)

ABOUT THE DEPARTMENT

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OBJECTIVES OF WORKSHOP

- ❖ To explore the interconnection and integration of the physical world and the cyber space.
- ❖ Able to design & develop IOT Devices.
- ❖ Describe what IoT is and how it works today
- ❖ Recognise the factors that contributed to the emergence of IoT
- ❖ Design and program IoT devices
- ❖ Use real IoT protocols for communication
- ❖ Secure the elements of an IoT device
- ❖ Design an IoT device to work with a Cloud Computing infrastructure.
- ❖ Transfer IoT data to the cloud and in between cloud providers
- ❖ Define the infrastructure for supporting IoT deployments

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
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M. Tech, Ph.D., FIE (I), MISTE, MRSI
Vice- principal

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Coordinator

Mr. M.Venkaiah

Asst. professor, Dept of Mechanical Engineering

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Mr. N.V. Mahesh Babu T

Mr. M. Venkanna Babu

Ms. P. Sravani

Mr. M. Venkaiah

Mr. Shaik Bajan

Mr. P. Srinivasa Rao

Mr. T. Ashok Kumar

Mr. Ch. Sekhar

Mr. B. Rambabu

Mr. K. Kiran Chand

Mr. A.Pavan Kumar

Mr. N. Vijaya Sekhar

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Ph: 08547-239903 & 08547-239902 (Fax)

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E-mail : principal@nrtec.in

PROGRAMME REPORT

Name of the Programme : Internet of Things (IOT)
Dates : 15th-27th NOVEMBER - 2021
Details of the Resource Persons :
Name : Mrs.Mittameedi Gokula Sukanya
Designation : Trainer
Organization : APSSDC
Phone Number : 7095270576
Mail id : chandirani.d@apssdc.in

Objective of the Programme:

- ❖ To explore the interconnection and integration of the physical world and the cyber space.
- ❖ Able to design & develop IOT Devices.
- ❖ Describe what IoT is and how it works today
- ❖ Recognise the factors that contributed to the emergence of IoT
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- ❖ Transfer IoT data to the cloud and in between cloud providers
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Topics covered:

- ❖ Fundamentals of IOT
- ❖ Arduino Simulation Environment
- ❖ Sensor & Actuators with Arduino
- ❖ Basic Networking with ESP8266 Wi-Fi module
- ❖ IoT Protocols
- ❖ Cloud Platforms for IOT

Outcome of the Programme:

- ❖ Able to understand the application areas of IOT
- ❖ Able to realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks




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❖ Able to understand building blocks of Internet of Things and characteristics

No. of Participants: 55

Photos with tag line:



Internet of Things (IOT) photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET - 522 601, Guntur (Dt), A.P.


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Course Content:

- Introduction to CAD
- Feature based modelling
- Detailing
- Design Assembly
- Data Exchange

RESOURCE PERSONS

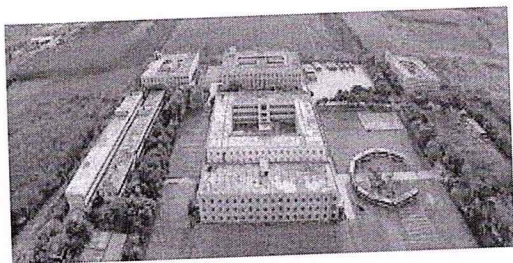
- ❖ Mr. B. Gopala Krishna Naik
CITD – Tool Design Trainer

For Any Queries Contact:

Mr. P.Sarath Chandra, Coordinator,

Mobile No: 7396067724

Email: Sarathchandra@nrtec.in



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A One Week workshop with Hands on training

on
"Solid Modelling using
CREO Software"

During

21th - 28th December - 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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Phone : 08647-239923

FAX : 08647-239902

Principal Mail : mechhod@nrtec.in

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

ABOUT THE DEPARTMENT

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OBJECTIVES OF WORKSHOP

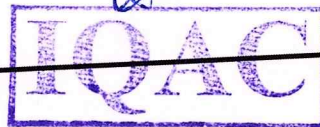
- **Product Design:** Using Creo Elements/Pro, designer will be able to generate complete digital representation of any product designs
- **Analysis:** Creo Elements/Pro covers thermal, dynamic, static and fatigue finite constituent analysis along with other designing tools to for the development of any product.
- **Surface Modeling:** Creo provides good surface modeling capabilities, using commands like Boundary blend and Sweep designer can easily create surface models.
- **Manufacturing:** With regards to single data source principle, designer gets rich set of manufacturing environment tools for tool designing and simulated CNC machining and output.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.



Chief Patron

Sri M.S. Chakravarthi

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Vice - Chairman, NEC Group

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Secretary, NEC Group

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Convener

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Coordinator

Mr. P.Sarath Chandra
Asst. professor, Dept of Mechanical Engineering

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Mr. N. Vijaya Sekhar

Mr. K. John Babu
Mr. B. Rajiv Kumar
Mr. N.V. Mahesh Babu T
Ms. P. Sravani
Mr. Shaik Bajan
Mr. T. Ashok Kumar
Mr. B. Rambabu
Mr. Nagul Meeravali

NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPETA - 522 604.
Guntur (Dist.), A.P.



NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

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Visit us at : www.nrtoc.in

E-mail : principal@nrtec.in

PROGRAMME REPORT

Name of the Programme : Solid Modelling using CREO Software
Dates : 21st - 28th December - 2020
Details of the Resource Persons :
Name : Mr. B. Gopala Krishna Naik
Designation : Tool Design Trainer
Organization : CITD
Phone Number : 8055270577
Mail id : citdcadcam@citdindia.org

Objective of the Programme:

Product Design: Using Creo Elements/Pro, designer will be able to generate complete digital representation of any product de-signs

Analysis: Creo Elements/Pro covers thermal, dynamic, static and fatigue finite constituent analysis along with other designing tools to for the development of any product.

Surface Modeling: Creo provides good surface modeling capabilities, using commands like Boundary blend and Sweep de-signer can easily create surface models.

Manufacturing: With regards to single da-ta source principle, designer gets rich set of manufacturing environment tools for tool designing and simulated CNC machining and output.

Topics covered:

- ❖ Introduction to CAD
- ❖ Overview of CREO
- ❖ Tools used in CREO
- ❖ Modelling in CREO
- ❖ Feature based modelling
- ❖ Detailing
- ❖ Design Assembly
- ❖ Data Exchange



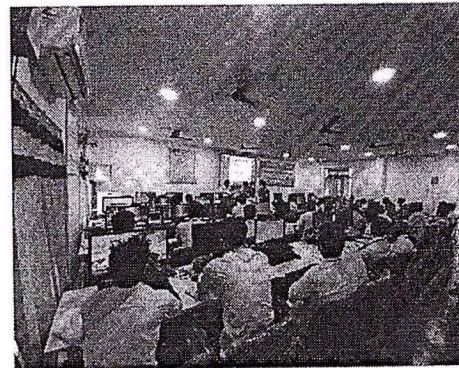
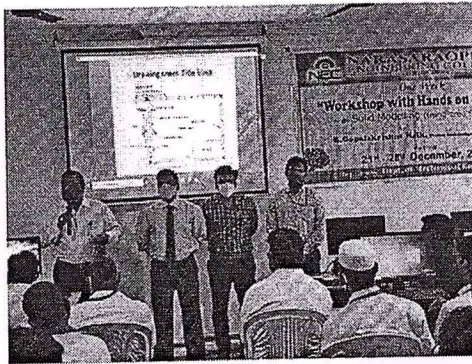

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Outcome of the Programme:

- ❖ Efficiently generate 3D geometry and drawing creations
- ❖ Flexibly adapt to design changes while keeping to a deadline
- ❖ Increase organization among team members with better documenting and sharing capabilities
- ❖ Maintain a competitive advantage by increasing quality and lowering costs


No. of Participants: 50

Photos with tag line:



Solid Modelling using CREO Software photos


Coordinator


HOD
Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (Dt), A.P.


Principal
IQAC


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

Course Content:

- Introduction to AUTOCAD software
- creating 2D sketches
- Applying modification to sketches and dimensioning
- Sketches by using layers
- Advanced tools in 2D sketching
- Isometric drawings

RESOURCE PERSONS

- ❖ Mr. Nuthakki.Mahesh Babu
- ❖ Mr. A.V.B.Sujith
APSSDC Trainers

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,
Mobile No: 9966858269
Email: venkat.mandula@nrtec.in



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A One Week workshop on "Mechanical Components drafting by AUTOCAD"

During

18th - 23th January - 2021

Organized

By

Department of
Mechanical Engineering
In association with
APSSDC

 **NARASARAOPETA
NEC ENGINEERING COLLEGE**

(AUTONOMOUS)

Kotappakonda Road, Vellamanda (P.O.)
Narasaraopet - 522601, Guntur District, A.P.

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

APSSDC

(AUTONOMOUS)

NARASARAOPETA - 522 601.

Engineering

ABOUT THE DEPARTMENT

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Secretary, NEC Group

Co-Patrons

Dr. M. Sreenivasa Kumar

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

Dr. D. Suneel

M. Tech, Ph.D., FIE (I), MISTE, MRSI
Vice-principal

Convener

Dr. S. B. Venkata Siva

Professor, HOD, Dept. of Mechanical Engineering

Coordinator

Mr. M.Venkaiiah

Asst. professor, Dept of Mechanical Engineering

ORGANIZING COMMITTEE

Dr. D. Jagadish
Dr. P. Suresh Babu
Dr. T. V. Deepthi
Mr. M. Venkanna Babu
Mr. N. Vijaya Sekhar
Mr. P. Srinivasa Rao
Mr. Ch. Sekhar
Mr. K. Kiran Chand
Mr. P. Sarath Chandra

Mr. K. John Babu
Mr. B. Rajiv Kumar
Mr. N.V. Mahesh Babu T
Ms. P. Sravani
Mr. Shaik Bajan
Mr. T. Ashok Kumar
Mr. B. Rambabu
Mr. Nagul Meeravali

WARRANTY

Stamp: M. S. Chakravarthi, Vice-Chairman, NEC Group

Stamp: NARAYANA ENGINEERING COLLEGE, Guntur (Dist), A.P.



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Guntur Dist. A.P.
Sponsored by Gayatri Educational Development Society, Narasaraopet.

Approved by AICTE & Permanently Affiliated to Jawaharlal Nehru Technological University, Code : 47

Twice Accredited by NBA (CSE & ECE) & Accredited by NAAC "A" Grade - ISO 9001 : 2015 Certified Institution.

Ph: 08647-239903 & 08647-239902 (Fax)

Visit us at : www.nrtec.in

E-mail : principal@nrtec.in

PROGRAMME REPORT

Name of the Programme : Mechanical Components drafting by AUTOCAD
Dates : 18th - 23th January - 2021
Details of the Resource Persons : Mr. Nuthakki.Mahesh Babu -8801088471
: Mr. A.V.B.Sujith-9666039895
Designation : Trainer
Organization : APSSDC
Mail id : priyadarshi.k@apssdc.in

Objective of the Programme:

- ❖ Use AutoCAD for daily working process.
- ❖ Navigate throughout AutoCAD using major navigating tools.
- ❖ Understand the concept and techniques to draw.
- ❖ Create multiple designs using several of tools.
- ❖ Create layers to control the objects' visibility.
- ❖ Explain drawing using annotations.
- ❖ Plot or print the drawing by scale.
- ❖ To use constraint for certain design.

Topics covered:

- ❖ Introduction to AUTOCAD software
- ❖ creating 2D sketches
- ❖ Applying modification to sketches and dimensioning
- ❖ Sketches by using layers
- ❖ Advanced tools in 2D sketching
- ❖ Isometric drawings

Outcome of the Programme:

Preparing engineering drawings to meet current standards by:

- ❖ Visualizing and applying basic drafting fundamentals
- ❖ Preparing and editing engineering drawings
- ❖ Creating CAD drawings
- ❖ Calculating part features using math skills




Principal

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

No. of Participants: 31

Photos with tag line:



Mechanical Components drafting by AUTOCAD photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (D), A.P.


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

Course Content:

- Introduction to Solid modelling using Solid works, Sketch tools, Relations.
- Part modeling- Create Extrude, swept, loft features
- Creating curves, fillet, hole, chamfer, shell, rib and pattern.
- Assembly modelling tools, Top down, bottom up approaches
- Generating drafting views, and creating dimensions

RESOURCE PERSONS

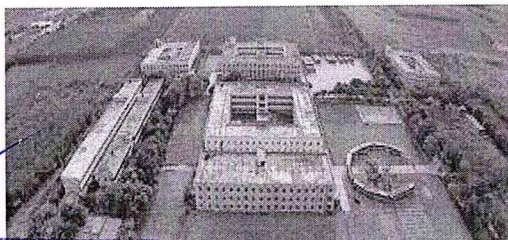
- ❖ Mr. B.Gopala Krishna Naik-CITD
- ❖ Mr. Venkatesh - CITD

For Any Queries Contact:

Mr. B. Ram Babu, Coordinator,

Mobile No: 9398461868

Email: rambabubachali@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, 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 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 One Week workshop on

"SOLID MODELLING using Solid Works"

**During
15th-22th APRIL - 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 JNTU, Kakinada,

Accredited 'A' Grade by NAAC, Accredited Thrice by NBA,

Recognized R&D center by JNTUK,

ISO 9001:2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechhod@nrtec.in

(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 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.

OBJECTIVES OF WORKSHOP

- Gaining a working knowledge of CAD solid modeling (SolidWorks)
- Understand the theoretical concepts of engineering graphics, including orthographic projection.
- Understanding auxiliary views Sectioning, general dimensioning and tolerancing
- Performing Geometric dimensioning and tolerancing
- To ensure that every surface is geometrically correct.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.



Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPETA - 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-Patrons

Dr. M. Sreenivasa Kumar

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Principal

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M. Tech, Ph.D., FIE (I), MISTE, MRSI

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Ph: 08647-239903 & 08647-239902 (Fax)

Visit us at : www.nrtec.in

E-mail : principal@nrtec.in

PROGRAMME REPORT

Name of the Programme : Solid Modelling using Solid works
Dates : 15th-22nd APRIL - 2021
Details of the Resource Persons with Phone Number : Mr. B.Gopala Krishna Naik
Mr. Venkatesh
Designation : Trainer
Organization : CITD
Mail id : priyadarshi.k@apssdc.in

Objective of the Programme:

- ❖ Gaining a working knowledge of CAD solid modeling (SolidWorks)
- ❖ Understand the theoretical concepts of engineering graphics, including orthographic projection.
- ❖ Understanding auxiliary views Sectioning, general dimensioning and tolerancing
- ❖ Performing Geometric dimensioning and tolerancing
- ❖ To ensure that every surface is geometrically correct.

Topics covered:

- ❖ Introduction to Solid Edge and interface of the software
- ❖ Introduction to sketcher workbench, sketch creation, modifications, constraining
- ❖ Introduction to part design, creating 3d models from 2d sketches
- ❖ Part design by ordered & synchronous methods
- ❖ Introduction to assembly, creating assembly for the 3d models
- ❖ Introduction to drafting, creating drafting to 3d models & Exam.

Outcome of the Programme:

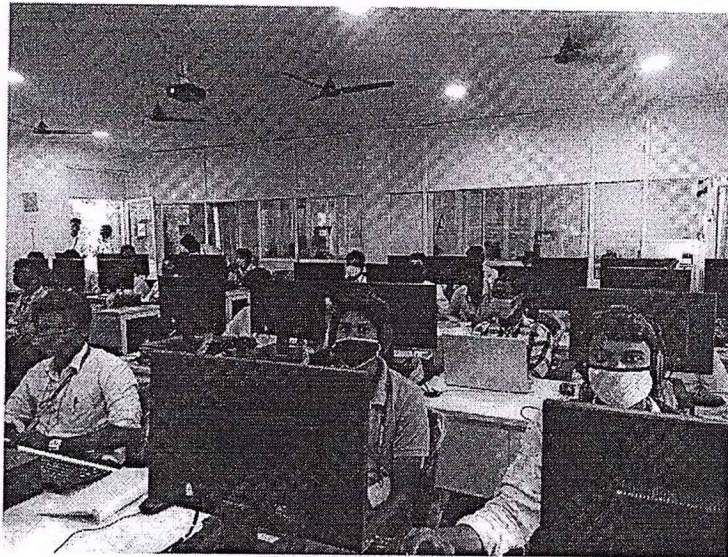
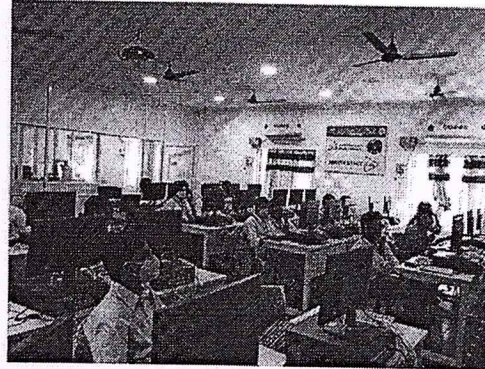
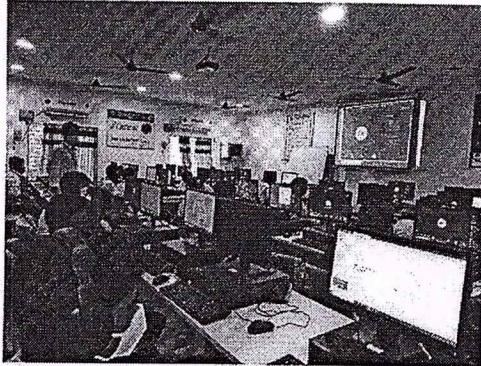
- ❖ Demonstrate competency with multiple drawing and modification commands in SOLIDWORKS. Create three-dimensional solid models.
- ❖ Create three-dimensional assemblies incorporating multiple solid models.
- ❖ Apply industry standards in the preparation of technical mechanical drawings.





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

No. of Participants: 110

Photos with tag line:



Solid Modelling using Solid works photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (D), A.P.


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

**A One Week APSSDC Training Programme
on
"Embedded Systems Fundamentals & Advanced"**

01st- 06th February, 2021

STUDENT REGISTRATION FORM

Name: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

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 APSSDC Training Programme.

Signature of the Applicant

Date :

Place :

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



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,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.

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**A One Week APSSDC Training Programme
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01st- 06th February, 2021



Organized by
**Department of Electronics and Communication
Engineering**



**NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)**

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

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Kakinada, Accredited 'A' Grade by NAAC,
Accredited thrice by NBA,

Phone : 08647-239913

FAX : 08647-239913

E-Mail : ecehod@nrtec.ac.in

Handwritten signature in blue ink.

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 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 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 Students and it mainly deals with various aspects of Embedded Systems and embedded systems c programming language. 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 students conversant with relevant practices in embedded systems.

The Programme will be designed around the following major topics:

- Introduction to Embedded Systems.
- Definition of Embedded systems, History of Embedded systems, Future scope of embedded systems
- Introduction to 8051 microcontroller.
- Embedded c Programming Language
- Types of embedded Language
- Rules for Embedded c Language
- Introduction to keil and proteus.
- Software Download and Installation Procedure

RESOURCE PERSONS

Mr. B Mahidher

Engineer Technical Services - APSSDC

Mr. K Madhava

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. V.Venkata Rao
Professor & Head, Dept. of ECE

COORDINATOR:

Mr. A.Raveendra Babu
Assistant Professor, Dept. of ECE

ORGANIZING COMMITTEE:

Dr.A.V.Nageswararao - Professor

Dr.K.Raju Professor

Dr..Raghavaiah Professor

J.V.K Ratnam Associate Professor



NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Date: 10/2/2021

PROGRAMME REPORT

Name of the Programme : A One Week APSSDC Training Programme on Embedded Systems Fundamentals & Advanced

Dates : 01st to 06th February, 2021

Details of the Resource Persons :

Name : Mr.B Mahidher, Mr. K Madhava

Designation : Engineer Technical Services – APSSDC

Organization : APSSDC

Objective of the Programme:

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- Types of embedded Language
- Rules for Embedded c Language
- Introduction to keil and protues.



Handwritten signature in green ink.

- Software Download and Installation Procedure

Outcome of the Programme:

- Analyze the operation of the Micro controller 8051.
- Design steps of Embedded c Language Programming.
- Design steps of software installation procedure.
- Simple Programmes of Embedded c.

No.Of Participants: 42




Principal Dr.M. Sreenivasa Kumar
Addressing the Participants



Trainers Giving Instructions to the students





Principal
NADAPATI ENGINEERING COLLEGE
(AUTONOMOUS)
NADAPATI, P. O. - 512 001,
Guntur (Dist.), A.P.

**A One Week APSSDC Training Programme
on
"Internet of Things Fundamentals"**

19th- 26th April, 2021

STUDENT REGISTRATION FORM

Name: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

DECLARATION

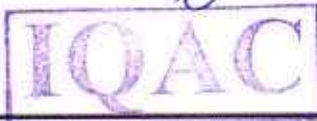
The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the APSSD Training Programme.

Signature of the Applicant

Date :

Place :

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



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**A One Week APSSDC Training Programme
on
"Internet of Things Fundamentals"**

19th- 26th April, 2021

In Association with



Organized by

**Department of Electronics and Communication
Engineering**



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E-Mail : eechod@nrtec.ac.in

My
Principal

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NARASARAOPET - 522 601
GUNTUR (DIST), A.P.

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OBJECTIVE OF PROGRAMME

This training programme is specially designed for Engineering College Students and it mainly deals with various aspects of Internet of Things. 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 students conversant with relevant practices in Internet of Things.

The Programme will be designed around the following major topics:

- Introduction of the Internet of Things – Present Trends of IOT, IOT Architecture.
- Introduction to Physical Layer – Transducer, sensors, Actuators.
- Introduction to Microprocessor & Microcontroller.
- Development of boards – Arduino, Raspberry Pi, Pin Configurations of development boards.

RESOURCE PERSONS

Mr. M Umamaheswarao

Engineer Technical Services - APSSDC

Mr. M Prapulla Kumar

- Engineer Technical Services – APSSDC

Ms. K.Vineela

- Engineer Technical Services – APSSDC

TRAINING PROGRAM

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Chairman, NEC Group.

Sri M.S.Chakravarthi B.Tech, M.Tech, M.B.A (HR & ISD),
Vice-Chairman, NEC Group.

Sri M.Ramesh Babu
Secretary, NEC Group.

PATRON:

Dr. M.Sreenivasa Kumar, M.Tech, Ph.D, IAS, M.S.E., IITM
Principal.

CONVENER:

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

COORDINATOR:

Mr. A.Raveendra Babu
Assistant Professor, Dept. of ECE

ORGANIZING COMMITTEE:

Dr.Sk.Bajid Vali - Associate Professor

J.V.K.Ratnam - Associate Professor

J.Narasimharao - Associate Professor

P.S.S Chakravarthy - Associate Professor


Principal
NARASIMHARAO UNIVERSITY
(AUTONOMOUS)
NARASIMHARAO UNIVERSITY
Engineering Dept., JNTUK



NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Date: 30-04-2021

PROGRAMME REPORT

Name of the Programme : A One Week APSSDC Training Programme on Internet of Things Fundamentals

Dates : 19th to 26th April, 2021

Details of the Resource Persons :

Name : Mr.M Umamaheswara, Mr. M Prapulla Kumar,
Ms. K.Vineela

Designation : Engineer Technical Services – APSSDC

Organization : APSSDC

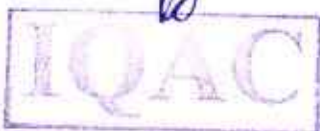
Objective of the Programme:

This training programme is specially de-signed for Engineering College Students and it mainly deals with various aspects of Internet of Things. 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 students conversant with relevant practices in Internet of Things

Topic Covered:

- Introduction of the Internet of Things – Present Trends of IOT, IOT Architecture.
- Introduction to Physical Layer – Transducer, sensors, Actuators.
- Introduction to Microprocessor & Microcontroller.
- Development of boards – Ardiino,Raspberry Pi,Pin Configurations of development boards



Outcome of the Programme:

- Knowledge about the present trends of the IOT and IOT architecture
- Analyze the operation of the Transducer, sensors, Actuators and Relays.
- Analyze the Arduino Board , Raspberry Pi, and Pin Configurations.
- Develop a simple programs.

No.Of Participants: 60



Training Programme Banner



Principal Dr.M. Sreenivasa kumar Addressing The Participants



Trainer Giving Instructions to the Students


IQAC


Principal Dr. M. Sreenivasa Kumar
Narasaraopeta Engineering College
Narasaraopeta - 522 201
Guntur District, A.P.

Course Content:

- Git & Github
- HTML5 & Css3
- Bootstrap
- Java Script
- Working with Web server
- Reactjs

Resource Persons:

1. **N.Rajesh**
Senior executive APSSDC
2. **D.Sairam**
Associate executive
APSSDC



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.

A Two Week Training Programme On Data Analysis & Machine Learning Using Python

On
8th April to 17th April 2021

Sponsored by
APSSDC

Organized

By

Department of
Computer Science & Engineering

**NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)**

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Permanently
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Kotappakonda Road, Yallmanda Village,
NARASARAOPETA, GUNTUR DIST. A.P.

www.nrtec.in, Email: csehod@nrtec.in

Ph: 08647 239905

Fax: 08647 239902

Principal

**NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)**

NARASARAOPETA - 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 Web Designing Using ReactJS

Node Js 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:

- * Students
- * Research Scholars
- * Industry
- * Professionals

Guidelines:

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- ❖ 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.



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Vice-Chairman, NEC Group.

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Dr. M. Venkata Reddy,
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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.



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Date:-28-4-2021

PROGRAMME REPORT

Name of the programme : Two week Student training on “Machine Learning Using Python”

Dates : 18th to 26th april,2021

Details of the Resource Person :

Name : B Ravi Sastry

Designation : Senior Executive

Organization : APSSDC

Ph No : 9505060477

Mail Id : ravissastry.b@gmail.com

Objective Of The Program:

The purpose of machine learning is to discover patterns in your data and then make predictions based on often complex patterns to answer business questions, detect and analyse trends and help solve problems.


Machine learning in business and other fields is effectively a method of data analysis that works by automating the process of building data models.

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Topics Covered :

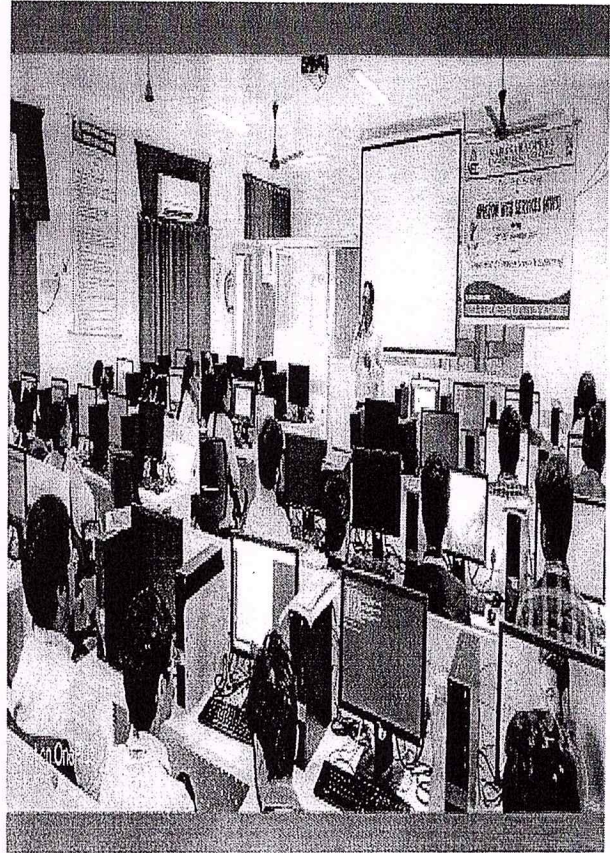
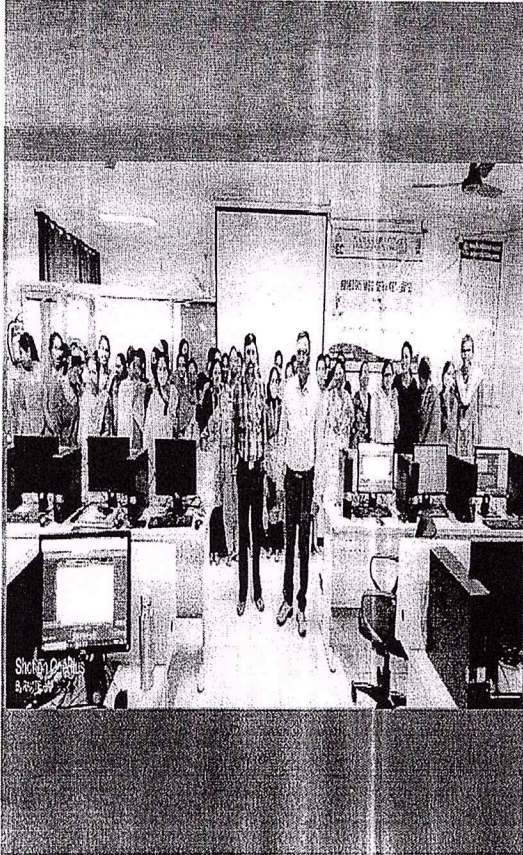
- Introduction to Machine Learning
- Regression Models
- Regularization Models
- Classification Models
- Unsupervised Machine Learning
- Clustering




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

Outcomes Of the Program:


- To Introduce students/Faculty to the basic concepts & techniques of ML
- To develop skills of using recent machine learning software for solving practical problems.
- To gain experience in doing independent study & research.




Coordinator


HOD


IQAC


Principal
NARASIMHA PURAM
(Computer)
NARASIMHA PURAM
Cuntur (Dist. ...)

Course Content:

- Git & Github
- HTML5 & Css3
- Bootstrap
- Java Script
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Ms. T.Rupa.

Mr G.Lakshminarayana

Ms. S.Chaitanya Bharathi

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**NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)**

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



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Date:-24-4-2021

PROGRAMME REPORT

Name of the programme : Two week Student training on “Data Analysis
Using Python”

Dates : 8th to 17th april,2021

Details of the Resource Person :

Name : R Sivaranganayakulu

Designation : Senior Executive

Organization : APSSDC

Ph No : 9640494680

Mail Id : sivaranganayakulu.r@gmail.com

Objective Of The Program:

This course will guide you to learn from scratch how to analyze data efficiently in Python.

By following this course, you'll gain practical experience analyzing real-world datasets. So that by the end, you'll be able to conduct your own analysis with Python, and extract valuable insights that can transform your business!

Topics Covered :

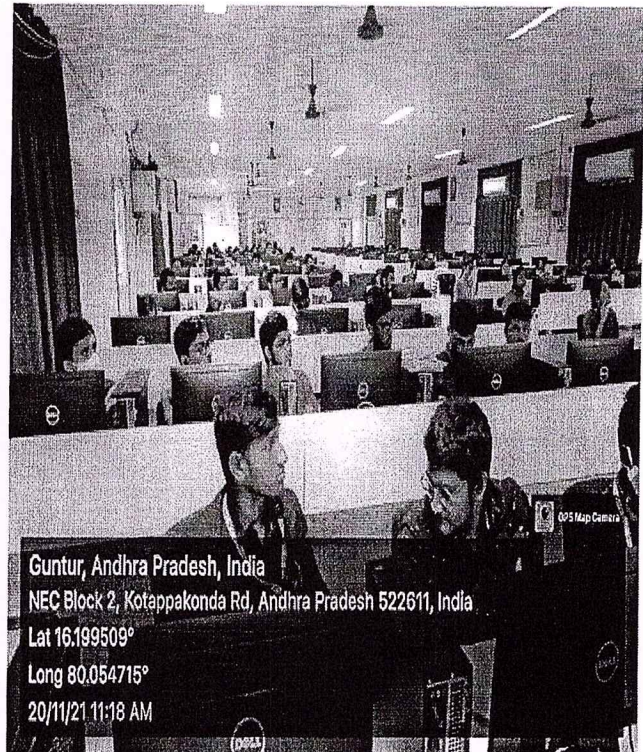
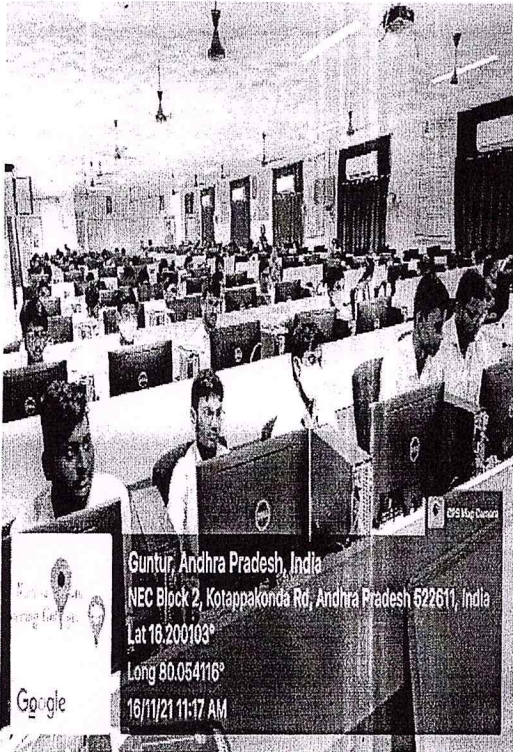
- Introduction to Data Analysis
- Data Manipulation with Numpy
- Data Analysis with pandas
- Data Cleaning with Pandas & Data Preprocessing with scikit learn(6Hr)
- Introduction to data visualization with matplotlib
- Data Visualization with sea born



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Outcomes Of the Program:

1. Import data sets.
2. Clean and prepare data for analysis.
3. Manipulate pandas DataFrame.
4. Summarize data.
5. Build machine learning models using scikit-learn.
6. Build data pipelines




Coordinator


HOD


IQAC


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NARASARAOPEETA ENGINEERING COLLEGE
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NARASARAO PET - 522 601.
Guntur (Dist. Guntur)

Course Content:

- Git & Github
- HTML5 & Css3
- Bootstrap
- Java Script
- Working with Web server
- Reactjs

Resource Persons:

1. **N.Rajesh**
Senior executive APSSDC
2. **D.Sairam**
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Mr S.P.B.Chary

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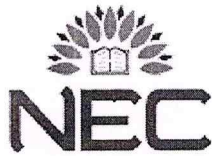
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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Date:-28-4-2021

PROGRAMME REPORT

Name of the programme : Two week Student training on “Machine Learning Using Python”

Dates : 18th to 26th april,2021

Details of the Resource Person :

Name : B Ravi Sastry

Designation : Senior Executive

Organization : APSSDC

Ph No : 9505060477

Mail Id : ravissastry.b@gmail.com

Objective Of The Program:

The purpose of machine learning is to discover patterns in your data and then make predictions based on often complex patterns to answer business questions, detect and analyse trends and help solve problems.

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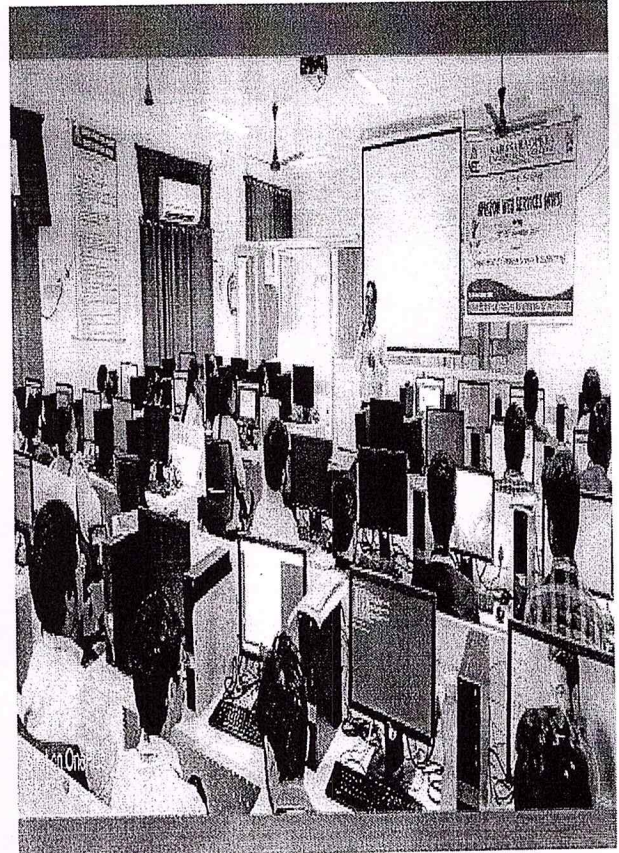
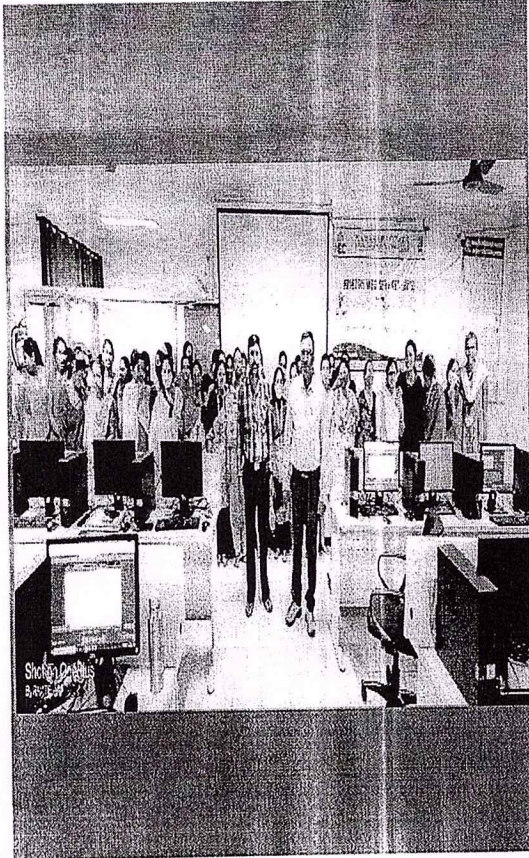
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M. S.
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Coordinator


HOD


IQAC


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NARASIMHA PURI
(ADARSH)
NARASIMHA
Cultur (Dis...)

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APSSDC



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 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 Two Week Training Programme On Web Designing Using React JS

On
2nd February to 8th February 2021

Sponsored by
APSSDC

Organized

By

Department of
Computer Science & Engineering

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Thrice Accredited By NBA and Accredited By NAAC
(Approved By AICTE, New Delhi, Permanently

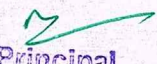
Affiliated To JNTUK, Kakinada)

Kotappakonda Road, Yallmanda Village,
NARASARAOPETA, GUNTUR DIST. A.P.

www.nrtec.in, Email: csehod@nrtec.in

Ph: 08647 239905

Fax: 08647 239902


Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

NARASARAOPETA - 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, NITTTT, Kolkata and Chandigarh in every year



Objective of Web Designing Using ReactJS

Node Js 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:

- * Students
- * 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.

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-Coordiators

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

Principal

Ms. S.Chaitanya Bharathi

PARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

PARASARAOPET - 522 601.

Guntur (Dist.), A.P.



5

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Date:-13-2-2021

PROGRAMME REPORT

Name of the programme : One week Student training on “Web Designing
Using React JS ”

Dates : 2nd to 8th Feb,2021

Details of the Resource Person :

Name : N Rajesh

Designation : Senior Executive

Organization : APSSDC

Ph No : 9100965113

Mail Id : rajessh.n@apssdc.in

Objective Of The Program:


React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.

Declarative views make your code more predictable and easier to debug.

Topics Covered :

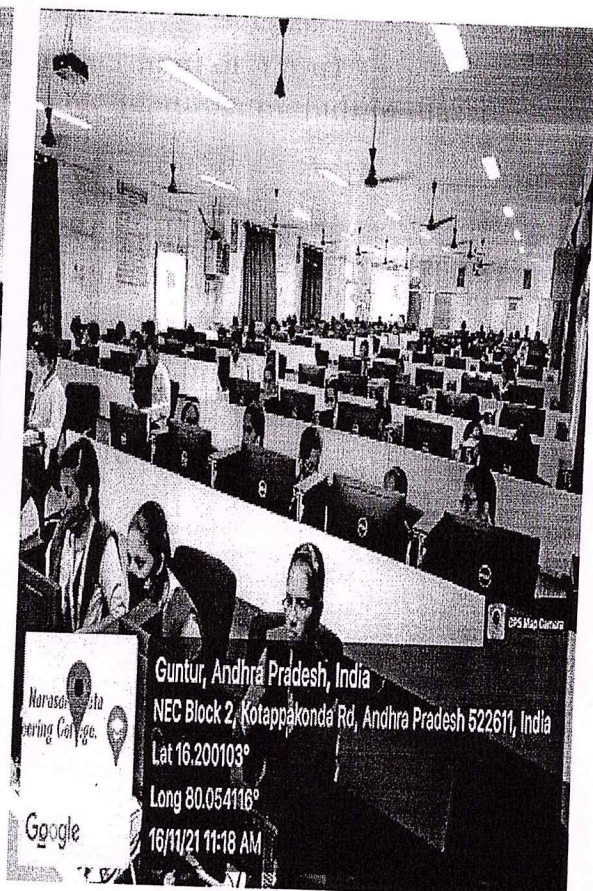
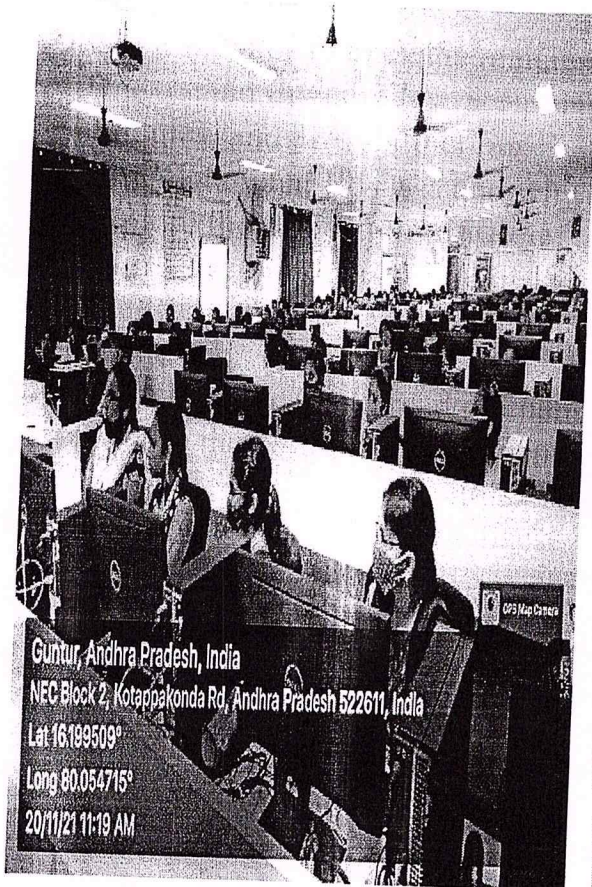
- Git & Github
- HTML5 & CSS3
- Bootstrap
- JAVAscript
- Working With Web Server
- React js




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

Outcomes Of the Program:

- Use a JavaScript package manager (either npm or Yarn)
- Understand the new JavaScript language features, including classes, modules, and arrow functions
- Articulate what React is and why it is useful
- Explore the basic architecture of a React application
- Gain a deep understanding of JSX and the Virtual DOM
- Use React components to build interactive interfaces
- Create and validate forms using controlled components
- Make HTTP calls to read or change data
- Explore the common component architecture patterns
- Configure simple and complex routing
- Incorporate React best practices



Coordinator



HOD

NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 691.
Guntur (Dist.), A.P.

**A One week Student Training Programme
on
"Productivity Enhancement Tools"**

08th- 13th February, 2021

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 Training Programme.

Signature of the Applicant

Date :
Place :

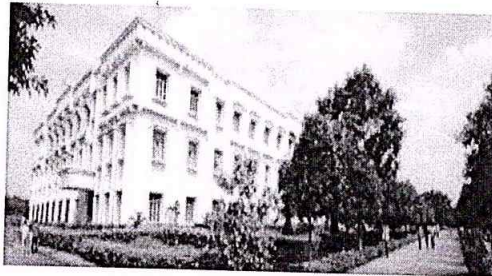
Note: Send Registration forms to
mbahod@nrtec.in
Any quires contact: 08647-239913



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,IT,CSE,IT,CSE(AI) 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), APSSDC. Also the college has Indo-European skilling Centre for mechatronics and industrial robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany.



PRINCIPAL

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

**A One week Student Training Programme
on
"Productivity Enhancement Tools"**

08th- 13th February, 2021

In Association with
APSSDC



Organized by
**Department of Master of Business
Administration**



**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 : mbahod@nrtec.in



ABOUT THE DEPARTMENT

Narasaraopeta Engineering College Started MBA course in the year 2006 with the goal of imparting quality management education in the Palanadu region. The sanctioned intake of the department was 120 which has now been raised to 240 from the current academic year. The department achieved 100% results and our students are placed in the reputed organizations.

The department has dedicated faculty who are motivating students for various academic and extracurricular activities. The department has two Professors and two associate professors and ten assistant professors.

Our students have bagged a number of prizes in various events conducted in the different colleges in the State. Good numbers of books are made available to the students in the library. In addition, several national and international magazines have also subscribed to enhance the knowledge of the students.

ABOUT APSSDC:

The Government of Andhra Pradesh has a vision to be among the three best states in India by 2022 and to achieve the status of a developed state by 2029

To achieve this goal, the State has adopted a mission-mode approach and has created a 'Knowledge and Skills Mission' along with six other missions. This mission will look into the manpower requirements of all other missions.

Towards this, the Government of Andhra Pradesh has created a separate Department of Skill Development, Entrepreneurship and Innovation, to provide the thrust to skilling in the state and Andhra Pradesh State Skill Development Corporation (APSSDC) has been established as the implementing arm and spearheading the training skilling initiatives in the state.

Vision:

The Government of Andhra Pradesh has the vision (Swarna Andhra Vision 2029) to make Andhra Pradesh among the three best states in India by 2022 when India celebrates its 75th year of independence and to achieve the status of a fully developed state by 2029.

Mission:

To target 20 million people in AP in next 15 years towards skilling and entrepreneurship to meet skilled human power demands of all Missions and shape AP as the skilled-workforce and knowledge hub for the world.

OBJECTIVE OF COURSE

This training Programme is specially de-signed for Engineering College students and it mainly deals with various aspects of Productivity Enhancement Tools. 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 students conversant with relevant practices in Productivity Enhancement Tools.

Resource Persons

Mr. Sai Ram & Mr. Rajesh

Course Program

The course Program has 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 Power Integrated Solutions

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. S.Venkata Ramana
Professor & Head, Dept. of MBA

Coordinator:

Dr.P.Pattabhi Ram
Associate Professor, Dept. of MBA

Organizing Committee:

Dr. Y.Siva Reddy	Associate Professor
I.Sridhar	Associate Professor
T.Mallikharjuna Rao	Associate Professor
Sk.Karim Basha	Associate Professor
Y.Suresh	Assistant Professor
S.Salma	Assistant Professor
T.L.Sravani Kumari	Assistant Professor

Principal

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

IQAC

Date: 13-02-2021

Program Report

Name of the Program: One Week Workshop on “Productivity and Enhancement Tools”

Dates: 08-02-2021 to 13-02-2021

Details of the Resource Persons:

Name: Mr. Sairam Devarapalli
Designation: Trainer
Organization: APSSDC
Phone No: 8978391774
Mail.Id: sairam.d@apssdc.in

Name: Mr. Rajesh Nalleboina
Designation: Trainer
Organization: APSSDC
Phone No: 9100965113
Mail.Id: rajesh.n@apssdc.in

Objective of the Program:

This training Programme is specially designed for MBA students and it mainly deals with various aspects of Productivity Enhancement Tools. The course aims to achieve the following objectives:

To update the knowledge in the emerging and upcoming topics in the subject area.

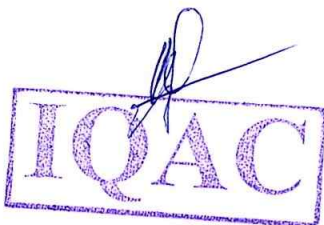
To make the students conversant with relevant practices in Productivity Enhancement Tools.


The Productivity Enhancement Tools are computer software programs which allow a user to create specific items quickly and easily as opposed to creating the same items by hand. Office productivity tools are applications that allow for the viewing, creating and modifying of general office documents (e.g. spreadsheets, memos, presentations, letters, personal database, form generation, image editing, etc.). Office productivity tools also include applications for managing employee tasks.

Topics Covered

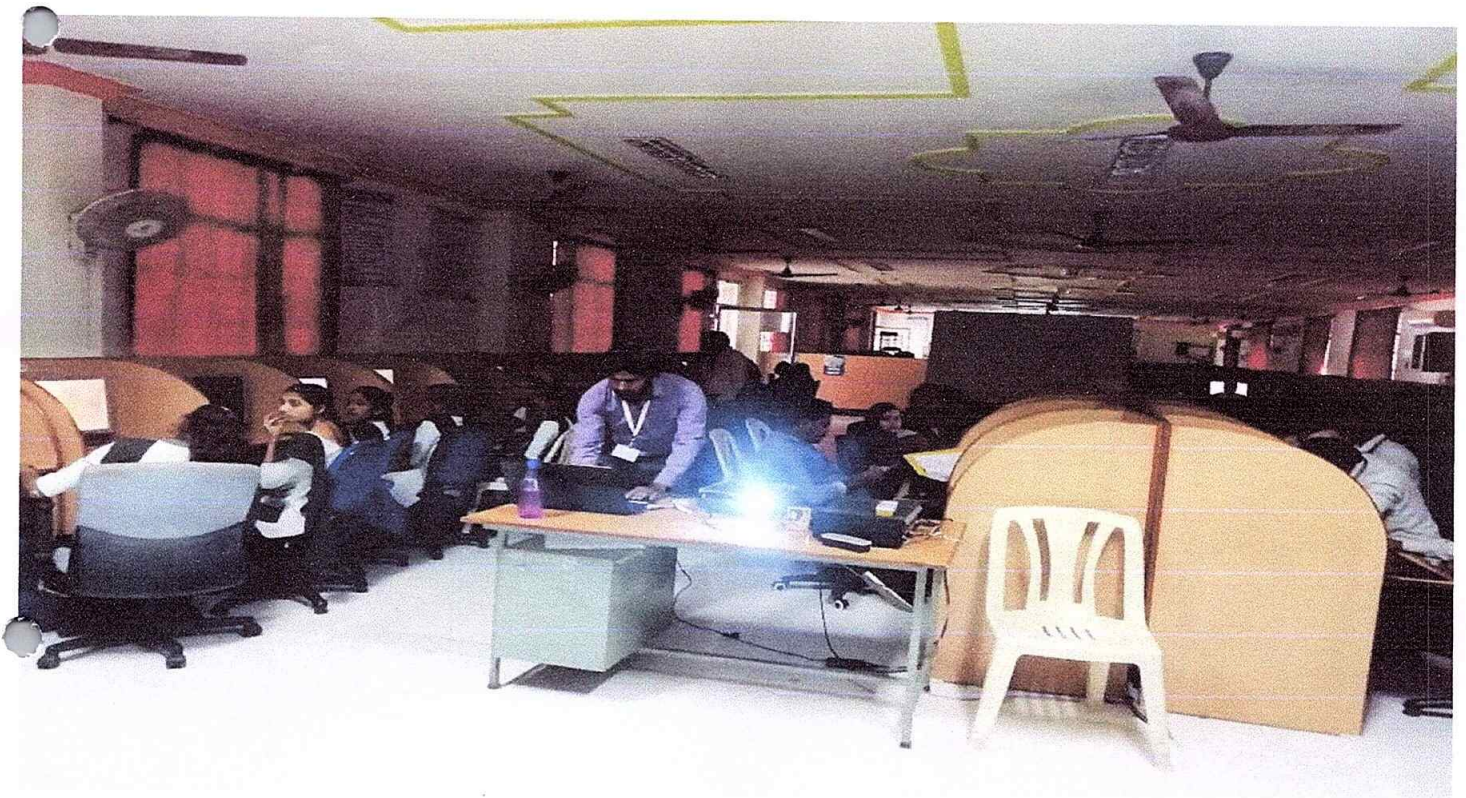
The Programme will be designed around the following major topics:

- Google Drive
- Google Docs
- Google Calendar
- Google Sheets
- Google Slides
- Google Sites
- Google Forms
- LinkedIn
- Github
- Raptor




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

NEC **NARASARAOPETA ENGINEERING COLLEGE** (AUTONOMOUS) **23**
 A One Week Workshop on
PRODUCTIVITY ENHANCEMENT TOOLS
 during
 08th - 13th February, 2021
 Conducted by
APSSDC
 Skill AP
 APSSDC
 Organized by Dept. of Master of Business Administration



Outcomes of the Program:

- To understand productivity enhancement tools.
- To learn how to create Google sheets & Google forms.
- To learn how to design Google sites.
- To learn how to create Google slides

No. of participants: 75

[Signature]
 IQAC Coordinator
IQAC

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

**A Two week Workshop
on
"Python Programming"**

22nd Nov-04th Dec, 2021

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 Training Programme.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to
mcahod@nrtec.ac.in
Any quires contact: 08647-239917

ABOUT THE COLLEGE

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The college has established venture development Centre (VDC),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 Two week Workshop
on
"Python Programming"**

22nd Nov-04th Dec, 2021

In Association with

APSSDC



**Skill AP
APSSDC**

Organized by
**Department of MCA
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 : 08647-239917

FAX : 08647-239917

E-Mail : mcahod@nrtec.ac.in

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

ABOUT THE DEPARTMENT

The Department of MCA started in the year 2002, MCA department offers an AICTE-approved two-year postgraduate Programme in Master of Computer Applications. The JNTU-Kakinada-affiliated department is once accredited by the NACC, in 2015 and is certified by the ISO. The department conducts research programs, seminars, and workshops to widen the knowledge base of students and faculty members. By the end of the two years, our students are equipped to become software 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 Python Programming:

Python is an interpreted high-level general-purpose programming language. Its design philosophy emphasizes code readability with its use of significant indentation. Its language constructs as well as its object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.

Python is dynamically-typed and garbage-collected. It supports multiple programming paradigms, including structured (particularly, procedural), object-oriented and functional programming. It is often described as a "batteries included" language due to its comprehensive standard library.



OBJECTIVE OF COURSE

This training Programme is specially designed for MCA students and it mainly deals with various aspects of python programming. 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 students conversant with relevant practices in Python programming.

The Python program is a scripting language that can be used for development, coding websites and applications, processing images, scientific data, and more. The program can be found in action on the Google search engine, NASA, Disney, Pinterest, and more. It was built for ease of use and speed and is less complicated than Ruby and other similar object-oriented programming languages. Because it is open-sourced, the program has enjoyed popularity among developers and programmers, and it continues to be the base program for most websites in operation on the internet today

The Programme will be designed around the following major topics:

Python Introduction
Literate Programming
Jupyter Notebook Environment
Markdown format for documentation
Python basics
Keywords in Python,
Operators in Python Conditional Statements
Iterations

Resource Persons

Mrs. K. Narmada Mani,

Course Program

The course Program has 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 Power Integrated Solutions

Chief Patrons:

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

Chairman, NEC Group.

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

Vice-Chairman, NEC Group.

Sri M.Ramesh Babu

Secretary, NEC Group.

Patron:

Dr. M. Sreenivasa Kumar, M.Tech, Ph.D(U.K), MSTE, FRID

Principal.

Convener:

Mrs. M. Mamatha, M.Tech.

Head, Dept. of MCA

Coordinator:

Mr.B. Siva Prasad

Assistant Professor, Dept. of MCA

Organizing Committee:

Mr. G. Sambasiva Rao Assistant Professor

Mr. M. Sai Yaswanth Assistant Professor

Mg
Principal
NARASIMHACHANDRAN COLLEGE
(Autonomous)
NARASIMHACHANDRAN COLLEGE
CHITTOOR, A.P.

Date: 05-12-2021

Program Report

Name of the Program: Two Week Workshop on "Python Programming"

Dates: 22-11-2021 to 04-12-2021

Details of the Resource Person:

Name: Mrs. K. Narmada Mani
Designation: Trainer
Organization: APSSDC
Phone No: 9866944121
Mail.Id: narmadha.km@apsdc.in

Objective of the Program:

This training Programme is specially designed for MCA students and it mainly deals with various aspects of python programming. The course aims to achieve the following objectives:

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To make the students conversant with relevant practices in Python programming.

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Topics Covered

The Programme will be designed around the following major topics:

Python Introduction
Literate Programming
Jupyter Notebook Environment
Markdown format for documentation
Python basics
Keywords in Python,
Operators in Python Conditional Statements
Iterations

Outcome of the Program:

To understand why Python is a useful scripting language for developers.

To learn how to design and program Python applications.

To learn how to use lists, tuples, and dictionaries in Python programs.

To learn how to identify Python object types.

No. of participants: 50



Signature of IQAC Co-ordinator


Principal

Copy to

Chairman, for information
AO, for making necessary arrangement
Circulation among the faculty of department MCA




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

**A 5-day Short Term Course on
“Industrial Automation Training”**

On

04th Feb, 2020 to 08thFeb, 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 short-term course.

Signature of the Applicant

Date :

Place :

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



ABOUT THE COLLEGE

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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
“Industrial Automation Training”**

On

04th Feb, 2020 to 08thFeb, 2020

Organized

by

**Department of Electrical and
Electronics Engineering**



Phone : 08647-239913
FAX : 08647-239913
E-Mail : eeehod@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,
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ISO 9001: 2008 Certified.
Three Recognized R&D centers by JNTUK

A handwritten signature in green ink.
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.
Guntur (Dist.), A.P.

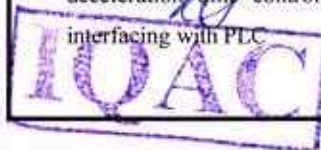
ABOUT THE DEPARTMENT

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 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 To impart knowledge on PLC: Logic development, Industrial I/Ps and O/Ps, PLC wiring and industrial project development SCADA: Introduction, digital and analog data configuration, driver selection and configuration, interfacing with PLC, hardware, parameter setting, speed, direction, acceleration and deceleration and control of induction motor,

interfacing with PLC



This Course mainly deals with various conceptual aspects

- Introduction Of PLC
- Communication, Download/Upload, Analog/Digital Input Outputs
- Connection of Plc, Advantage/Disadvantage.
- SCADA Introduction , Architecture, Advantage/Disadvantage
- Industrial Based Examples Using Script

RESOURCE PERSONS:

Mr Vignesh,R Technical Lead,
AGIIT, Chennai

Dr. Upendran K, Trainer,
AGIIT, Chennai

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(II)

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

Principal
NARAGURPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARAGURPET - 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](http://www.nrtec.in)

Date:12.02.2020

PROGRAMME REPORT

Name of the Programme : A Five Day Training Programming for
“Industrial Automation Training”

Dates : 04th to 08th FEB, 2020

Details of the Resource Persons :

1. Name : Mr. Upendran
Designation : Trainer
Organization : AGIIT, Chennai
Phone No : 9059789852
Mail. ID : Upendran152@gmail.com

Objective of the program

To impart knowledge on

1. Enhancing creative thinking skills.
2. Be at the forefront to receive an education in Automation.
3. Be a leader in embracing technology in an ever changing world.
4. To bridge the gap between industry and academia by giving industrial based training.
5. Developing critical thinking and programming of automation.
6. Discovering real life engineering challenges and develop creative solutions to solve them.
7. Working as a team.

Topic Covered:

- Basics of electrical and electronic circuits
- Selection and application of various Hydraulic and Pneumatic components
- Sensors – types and applications; Integration with other elements
- Basics of PLC Hardware/Software and PLC Programming
- Hands-on practice in Design and Implementing Hydraulic and Pneumatic circuits with PLC Control & Sensors



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- Servo Motors and Servo Drives – Applications for Motion Control
- Hands – on practice in using Industrial Motors, Motor Controls, Variable Frequency Drives

Outcome of the programme:


- Describe working of various blocks of basic industrial automation system
- Connect the peripherals with the PLC
- Use various PLC functions and develop small PLC programs

No. of participants: 45


Coordinator


HOD


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Guntur (Dist.), A.P.

**A 5-day Short Term Course on
"PLC Fundamentals&Advanced"**

On

19th Feb, 2020 to 26th Feb, 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 short-term course.

Signature of the Applicant

Date :

Place :

Note: Send Registration forms to

eeehod@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
"PLC Fundamentals&Advanced"**

On

19th Feb, 2020 to 26th Feb, 2020

Organized

by

**Department of Electrical and
Electronics Engineering**



Phone : 08647-239913

FAX : 08647-239913

E-Mail : eeehod@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,
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Three Recognized R&D centers by JNTUK

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

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OBJECTIVE OF COURSE

A programmable logic controller or PLC is simply a special type of computer. It is composed of three components they are input, CPU, and output. Suppose we want to control an electric motor using a push-button by turning ON/OFF, this function is similar to the power button on the TV remote. To do this, we must write a program for this operation on a computer and then download that into the CPU. The switch button is connected to the input and the output is connected to the motor, now if we press the button an electrical signal is sent to the PLC, then the PLC input will deliver the signal to the CPU and the CPU process the data received and sent the result to the output, then the output turns the data to a raw electrical signal and applies that to the motor to run. to the CPU and the CPU process the

IOAC

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

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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

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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

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(AUTONOMOUS)

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Guntur (Dist.), A.P.



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Accredited by NBA & NAAC, ISO 9001 : 2015 Certified Institution
Phone : 08647-239905 Website: www.nrtec.in

Date: 05.03.2020

PROGRAMME REPORT

Name of the Programme : A Six Day Practical Training Programming
“ PLC Fundamentals&Advanced”

Dates : 19th to 26th February, 2020

Details of the Resource Persons :

1. Name : Mr. M.Jyoshitha
Designation : APSSDC-Trainer
Organization : APSSDC
Phone No : 7382827325
Mail.Id : jyohitha.apssdc@gmail.com

Objective of the program

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

- PLC Programmers must have a detailed understanding of computer systems, technology, and engineering.
- PLC programming is essentially the creation of robots to perform specific tasks. When writing your objective.
- it is important to focus on your educational qualifications, including high-level mathematics, in addition to any experience you have in programming, technology, and engineering.
- Prospective employers are looking for individuals who can work independently, are creative, and possess complex problem-solving skills.

Topic Covered:

Ladder Logic. Ladder logic is the main programming method used for PLCs. ...
Programming. The first PLCs were programmed with a technique that was based on relay logic wiring schematics. ...




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PLC Connections. ...

Ladder Logic Inputs. ...

Ladder Logic Outputs.

Outcome of the programme:

Students will be able to describe typical components of a Programmable Logic Controller.

- Students will be able to explain the basic concepts of a Programmable Logic Controller. •

Students will be able to state basic PLC terminology and their meanings.

- Students will be able to explain and apply the concept of electrical ladder logic, its history, and its relationship to programmed PLC instruction.

- Students will be able to explain the concept of basic digital electronics and data manipulation.

No. of participants:30


Coordinator


HOD




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

Course Content:

- ❖ Introduction to Industrial automation
- ❖ Automation, PLC architecture, Ladder diagram programming
- ❖ Introduction to delta PLC, Latching
- ❖ Hardware analysis: I/O, communication protocol, timer and counter concept
- ❖ Delta HMI, screen development
- ❖ Interfacing delta HMI with delta PLC
- ❖ using RS485 communication protocol
- ❖ SCADA, Animation screen development

RESOURCE PERSONS

- ❖ Vignesh
- ❖ Vinay
- ❖ Gopi

Trainer from AGIIT

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@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, 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 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 Two Week workshop on

"Industrial Robotics and Field Instruments Training"

During
18th-30th NOVEMBER - 2019

Organized
By

Department of
Mechanical Engineering
in Association with AGIIT

**NARASARAOPETA
NEC ENGINEERING COLLEGE**

(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,

Recognized R&D center by JNTUK,

ISO 9001:2008 Certified

Phone : 08647-239923

FAX : 08647-239902

E-Mail: mechhod@nrec.in

(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 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.



OBJECTIVES OF WORKSHOP

- ❖ To bridge the gap between the curriculum and the existing industrial practices.
- ❖ Good knowledge of PLC, HMI and SCADA Control.
- ❖ Creation of animation screen development in SCADA.
- ❖ Enhance the confidence levels and acquire better chance of securing a job.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.

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-Patrons

Dr. M. Sreenivasa Kumar

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

Dr. D. Suneel

M. Tech, Ph.D., FIE (I), MISTE, MRSI
Vice-principal

Convener

Dr. S. B. Venkata Siva

Professor, HOD, Dept. of Mechanical Engineering

Coordinator

Mr. M.Venkaiah

Asst. professor, Dept of Mechanical Engineering

ORGANIZING COMMITTEE

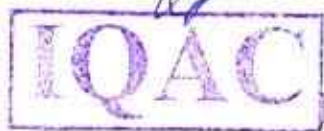
Dr. D. Jagadish	Mr. K. John Babu
Dr. P. Suresh Babu	Mr. B. Rajiv Kumar
Mrs. D.Raghavendra	Mr. N.V. Mahesh Babu T
Mr. M. Venkanna Babu	Ms. P. Sravani
Mr. M. Venkaiah	Mr. Shaik Bajan
Mr. P. Srinivasa Rao	Mr. T. Ashok Kumar
Mr. Ch. Sekhar	Mr. B. Rambabu
Mr. K. Kiran Chand	Mr. A.Pavan Kumar
Mr. N. Vijaya Sekhar	

NARABARAOPETA ENGINEERING COLLEGE
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Center (Dist.) A.P.

SYLLABUS for INDUSTRIAL ROBOTICS & Field Instruments

S.NO	DAY	SESSION	SYLLABUS
1	DAY 1 (8 HRS)	F.N	<ul style="list-style-type: none"> ➤ INTRODUCTION TO INDUSTRIAL ROBOTICS ➤ EVOLUTION OF INDUSTRIAL ROBOTICS ➤ APPLICATION OF INDUSTRIAL ROBOTICS
		A.N	<ul style="list-style-type: none"> ➤ INTRODUCTION TO YASKAWA ROBOTICS ➤ INTRODUCTION TO MOTOSIM EG ➤ CREATING WORKSTATION AND PLACING ROBOT ➤ ATTACHING END EFFECTOR IN ROBOT ➤ TYPES OF INTERPOLATION
2	DAY 2 (8 HRS)	F.N	<ul style="list-style-type: none"> ➤ ROBOT PROGRAMMING FOR 2D OBJECTS RECTANGLE CIRCLE ➤ INTRODUCTION TO YASKAWA HARDWARE ➤ CREATING NEW JOB, TEACHING 2 D JOBS USING VARIOUS INTERPOLATION TECHNIQUES
		A.N	<ul style="list-style-type: none"> ➤ IMPORTING 3D OBJECT TO WORKSTATION ➤ ROBOT PROGRAMMING FOR 3D OBJECT
3	DAY 3 (8 HRS)	F.N	<ul style="list-style-type: none"> ➤ USAGE OF APPLICATION INSTRUCTION IN MotoSIM EG ➤ USING TIMER, JUMP INSTRUCTIONS
		A.N	<ul style="list-style-type: none"> ➤ CREATING AN APPLICATION USING INSTRUCTIONS ➤ DEVELOPING APPLICATION FOR PICK & PLACE

4.	DAY 4 (8 HRS)	F.N	<ul style="list-style-type: none"> ➤ INTRODUCTION TO AUTOMATION TOOLS ➤ INTRODUCTION TO ELECTRICAL COMPONENTS IN INDUSTRIAL AUTOMATION ➤ INTRODUCTION TO RELAYS ➤ TYPES OF RELAYS ➤ WORKING PRINCIPLE AND OPERATION OF DIFFERENT RELAYS
		A.N	<ul style="list-style-type: none"> ➤ HANDS-ON SESSION FOR RELAY WIRING ➤ DEVELOPING APPLICATION USING RELAY ➤ INTRODUCTION TO FIELD INSTRUMENTS ➤ NEED OF FIELD INSTRUMENTS IN INDUSTRIES ➤ VARIOUS TYPES OF FIELD INSTRUMENTS USED
5.	DAY 5 (8 HRS)	F.N	<ul style="list-style-type: none"> ➤ DIFFERENCE BETWEEN ANALOG AND DIGITAL SENSOR ➤ ANALOG SENSOR CONCEPT AND THERE TYPES: ➤ TEMPERATURE SENSOR ➤ HUMIDITY SENSOR ➤ LEVEL SENSOR ➤ PRESSURE SENSOR ➤ VACUUM SENSOR ➤ TRANSDUCERS ➤ ANALOG VALUE OUTPUT TYPE FROM SENSORS
		A.N	<ul style="list-style-type: none"> ➤ WORKING WITH DIGITAL SENSORS: ➤ PROXIMITY SENSOR ➤ COLOR SENSOR ➤ LIMIT SWITCH ➤ WORKING WITH ANALOG SENSOR: ➤ CALIBRATION OF SENSORS ➤ 2-WIRE METHOD ➤ 3-WIRE METHOD ➤ TEMPERATURE SENSOR ➤ LEVEL SENSOR



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Course Content:

- ❖ System Modeling
- ❖ Control System Principles
- ❖ Computing, Measurement, State, and Parameter Estimation
- ❖ Decision-Making and Machine Learning
- ❖ Numerical Methods for Evaluation and Search
- ❖ Expert Systems
- ❖ Neural Networks for Classification and Control

RESOURCE PERSONS

- ❖ Nuthakki Mahesh Babu
 - ❖ Alapati Tejo Amarewar
 - ❖ Nayudu Srikanth
 - ❖ A V B Sujith
- Trainers from APSSDC

For Any Queries Contact:

Mr. M.Venkaiiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



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Course and Training on "Applied Robot Control 2.0" During November to December - 2019 Organized By Department of Mechanical Engineering in Association with APSSDC and APS GmbH European Center for Mechatronics



(AUTONOMOUS)

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Phone : 08647-739970
FAX : 08647-739970

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Guntur (Dist.), A.P.

ABOUT THE DEPARTMENT

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OBJECTIVES OF WORKSHOP

- Introduce the concept of Artificial Intelligence, rationality, understanding of different task environments and the appropriate use of different intelligent agents in these environments.
- Prepare student to analyze different problem solving strategies for informed, uninformed problems, deterministic or stochastic games, and constraint satisfaction problem.
- Teach different algorithms and the analysis of complexity, optimality and completeness of these algorithms.
- Introduce the basic concept of machine learning and natural language processing

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is Rs. 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.

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-Patrons

Dr. M. Sreenivasa Kumar

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M. Tech, Ph.D., FIE (I), MISTE, MRSI

Vice-principal

Convener

Dr. S. B. Venkata Siva

Professor, HOD, Dept. of Mechanical Engineering

Coordinator

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Asst. professor, Dept of Mechanical Engineering

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Mr. M. Venkaiiah	Mr. Shaik Bajjan
Mr. P. Srinivasa Rao	Mr. T. Ashok Kumar
Mr. Ch. Sekhar	Mr. A. Pavan Kumar
Mr. K. Kiran Chand	Mr. B. Rambabu
Mr. N. Vijaya Sekhar	

MV
Principal

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

NARASARAOPETA - 522 001.

Guntur (Dist.), A.P.

Course Content:

- ❖ System Modeling
- ❖ Control System Principles
- ❖ Computing, Measurement, State, and Parameter Estimation
- ❖ Decision-Making and Machine Learning
- ❖ Numerical Methods for Evaluation and Search
- ❖ Expert Systems
- ❖ Neural Networks for Classification and Control

RESOURCE PERSONS

- ❖ Nuthakki Mahesh Babu
 - ❖ Alapati Tejo Amareswar
 - ❖ Nayudu Srikanth
 - ❖ A V B Sujith
- Trainers from APSSDC

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@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, 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 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.

Course and Training

on
"Applied Robot Control 3.0"

During
January to
March - 2020

Organized
By

Department of
Mechanical Engineering
in Association with
APSSDC and APS GmbH
European Center for
Mechatronics

**NARASARAOPETA
NEC ENGINEERING COLLEGE**

(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,

Recognized R&D center by JNTUK,

ISO 9001:2008 Certified.

Me
Principal

Phone : **NARASARAOPETA ENGINEERING COLLEGE**
08647259259

FAX : 08647259900

(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 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 MODOROBBS, 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

- A. Help student in developing the critical skill to formulate problems and strategies to solve problems.
- B. As well as using the concept of knowledge representation and logical inference in knowledge based agents.
- C. Introduce the concept of uncertain knowledge and probabilistic reasoning and probabilistic models in various decision making problems.

f. Introduce the basic concept of machine learning and natural language processing

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is Rs. 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

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Vice - Chairman, NEC Group

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Chairman, NEC Group

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M. Tech, Ph.D., FIE (I), MISTE, MRSI
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Professor, HOD, Dept. of Mechanical Engineering

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Mr. M. Venkanna Babu	Ms. P. Sravani
Mr. M. Venkaiah	Mr. Shaik Bajan
Mr. P. Srinivasa Rao	Mr. T. Ashok Kumar
Mr. Ch. Sekhar	Mr. A. Pavan Kumar
Mr. K. Kiran Chand	Mr. B. Rambabu
Mr. N. Vijaya Sekhar	

My
Principal

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

Course Content:

- Introduction to CATIA software and interface of the software
- Introduction to sketcher workbench, sketch creation, modifications, constraining
- Introduction to part design, creating 3d models from 2d sketches
- Creating 3D models by following correct tree structure, Boolean operations applying for the 3d models.
- Introduction to assembly, creating assembly for the 3d models
- Introduction to drafting, creating drafting to 3d models & Exam.

RESOURCE PERSONS

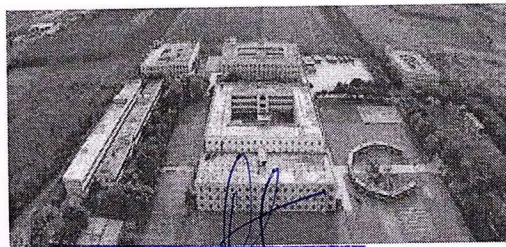
- ❖ Nuthakki Mahesh Babu
 - ❖ Alapati Tejo Amareswar
 - ❖ Nayudu Srikanth
 - ❖ A V B Sujith
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Course and Training on

on

"CATIA"

During

02nd Nov 2020-03rd July - 2021

Organized

By

Department of
Mechanical Engineering
in Association with
APSSDC and Dassault
Systemes


NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopeta - 522601, Guntur District, A.P.

Approved by AICTE, permanently Affiliated to JNTU, Kakinada,

Accredited 'A' Grade by NAAC, Accredited Thrice by NBA,

Recognized R&D center by JNTUK,

ISO 9001:2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechhod@nrec.in


NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPETA - 522 601,

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OBJECTIVES OF WORKSHOP

- ❖ Competence with a set of tools and methods for product design and development using CATIA.
- ❖ Confidence in students own abilities to create a new product.
- ❖ Awareness of the role of multiple functions in creating a new product (e.g. marketing, finance, industrial design, engineering, production) and drafting using CATIA.
- ❖ Ability to coordinate multiple, interdisciplinary tasks in order to achieve a common objective.
- ❖ Reinforcement of specific knowledge from other courses through practice and reflection in an action-oriented setting.
- ❖ Enhanced team working skills in new product design.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
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Mr. N. Vijaya Sekhar	


Principal

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

A One Week APSSDC Training Programme
on
"IoT Fundamentals & Advanced"

06th- 12th February, 2020

STUDENT REGISTRATION FORM

Name: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

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 APSSDC Training Programme.

Signature of the Applicant

Date :

Place :

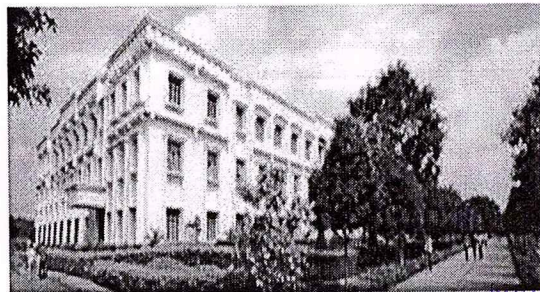
Note: Send Registration forms to
ecehod@nrtec.ac.in
Any quires contact: 08647-239913



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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 One Week APSSDC Training Programme
on
"IoT Fundamentals & Advanced"

06th- 12th February, 2020

In Association with



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 thrice by NBA,

Phone : 08647-239913

FAX : 08647-239913

E-Mail : ecehod@nrtec.ac.in

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 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 APSSDC-SIEMENS:

The main aim of APSSDC-SIEMENS Project is to train the large number of unemployed youth for employability and to create industry relevant technically skilled work-force. It follows a hub and spoke module. The more expensive state-of-the-art laboratories 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 Students and it mainly deals with various aspects of Internet of Things. 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 students conversant with relevant practices in Internet of Things

The Programme will be designed around the following major topics:

- Introduction of the Internet of Things – Present Trends of IOT, IOT Architecture.
- Introduction to Physical Layer – Transducer, sensors, Actuators.
- Introduction to Microprocessor & Microcontroller.
- Development of boards – Arduino, Raspberry Pi, Pin Configurations of development boards.

RESOURCE PERSONS

Mr. M Umamaheswarao

Engineer Technical Services - APSSDC

Mr. M Prapulla Kumar

- Engineer Technical Services – APSSDC

Ms. K. Vineela

- 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. V.Venkata Rao
Professor & Head, Dept. of ECE

COORDINATOR:

Mr. A.Raveendra Babu
Assistant Professor, Dept. of ECE

ORGANIZING COMMITTEE:

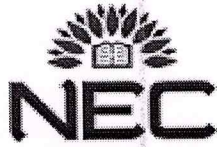
J.V.K.Ratnam - Associate Professor

J.Narasimharao - Associate Professor

P.S.S Chakravarthy Associate Professor


Principal

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



NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Date: 15-02-2020

PROGRAMME REPORT

Name of the Programme : A One Week APSSDC Training Programme on
"IoT Fundamentals & Advanced"

Dates : 06th to 12th February, 2020

Details of the Resource Persons :

Name : Mr.M Umamaheswara, Mr. M Prapulla Kumar,
Ms. K.Vineela

Designation : Engineer Technical Services – APSSDC

Organization : APSSDC

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This training programme is specially de-signed for Engineering College Students and it mainly deals with various aspects of Internet of Things. 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 students conversant with relevant practices in Internet of Things

Topic Covered:

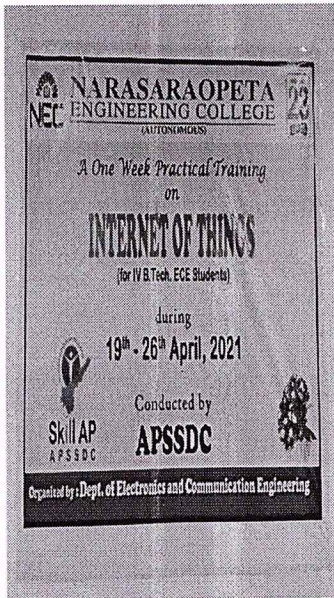
- Introduction of the Internet of Things – Present Trends of IOT, IOT Architecture.
- Introduction to Physical Layer – Transducer, sensors, Actuators.
- Introduction to Microprocessor & Microcontroller.
- Development of boards – Ardiino,Raspberry Pi,Pin Configurations of development boards



Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 001,
Guntur (Dist.), A.P.

Outcome of the Programme:

- Knowledge about the present trends of the IOT and IOT architecture
- Analyze the operation of the Transducer, sensors, Actuators and Relays.
- Analyze the Arduino Board , Raspberry Pi, and Pin Configurations.
- Develop a simple programs.



Training Programme Banner



**Principal Dr.M. Sreenivasa kumar
Addressing The Participants**



Trainer Giving Instructions to the Students



msk
Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPETA - 522 604,
Guntur (Dist.), A.P.

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 R.Thiruvengatanadhan,**
Asst. Professor in CSE,
Annamalai University
4. **Dr. G. Rama Murthy,**
Professor in CSE,
Mahindra University
5. **Dr. K. Uma Pavan Kumar**
Associate Professor, Jain University
6. **Dr. S.V.N. Sreenivasu,**
Professor, NEC
7. **Dr. K.Lakshminadh,**
Associate Professor, NEC
8. **Mr A.Durga Shiva Prasad,**
SAK Informatics, Hyderabad

IOAC

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 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 Two Week Training Programme On Specialist in Angular9 Framework & Node Js

On
3rd February to 13th February 2020

Sponsored by
Zero Client

Organized

By

Department of
Computer Science & Engineering

**NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)**

Thrice Accredited By NBA and Accredited 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

Objective of Angular 9 & Nodejs

Node Js 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:

- * Students
- * 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.



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.

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M.Tech., Ph.D (UK), MISTE., FIE (I).
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Professor & Head, Dept. of CSE.

Coordinator

Dr. S.V.N Sreenivasu,

Professor in CSE

Co-Coordiators

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Professor.

Dr. S. Siva Nageswara Rao,
Associate Professor.

Dr. K.Lakshminadh,
Associate Professor

Dr. M. Venkata Reddy,
Associate Professor

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Date:-02-02-2020

PROGRAMME REPORT

Name of the programme : Two week Practical training on “Angular 9
Framework & Node Js”

Dates : 3rd to 13th February, 2020

Details of the Resource Person :

Name : T Anjaneyulu
Designation : Senior Executive
Organization : ZerooClient
Ph No : 9640494680
Mail Id : anji.t@gmail.com

Objective Of The Program:

This course will guide you to learn from scratch how to analyze data efficiently in node JS.

By following this course, you'll gain practical experience analyzing real-world datasets. So that by the end, you'll be able to conduct your own analysis with Angular js, and extract valuable insights that can transform your business!

Topics Covered :

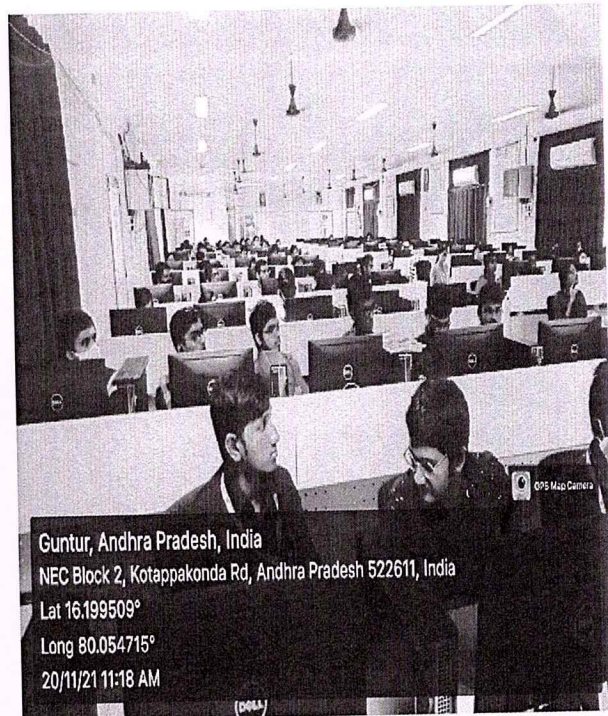
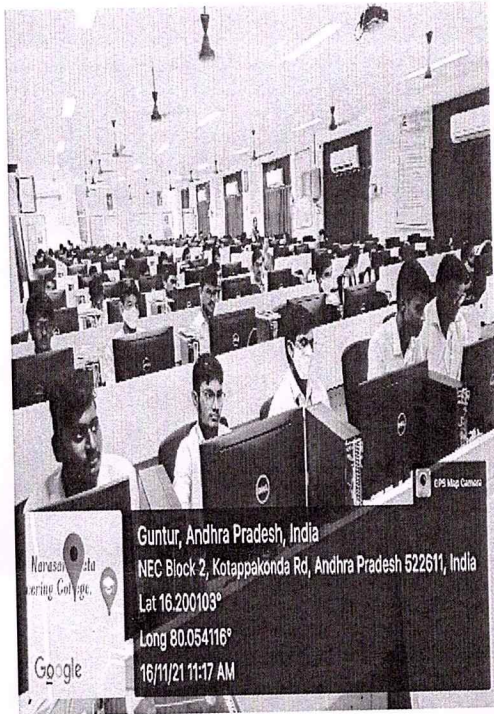
- Introduction to Node js
- Introduction to Angular9
- Data Analysis with Node js
- Data Cleaning with Pandas & Data Preprocessing with scikit learn(6Hr)
- Introduction to data visualization with matplotlib
- Data Visualization with sea born




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Outcomes Of the Program:

1. Import data sets.
2. Clean and prepare data for analysis.
3. Manipulate pandas DataFrame.
4. Summarize data.
5. Build machine learning models using scikit-learn.
6. Build data pipelines




Coordinator


HOD


IQAC


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NARASARAOPET - 522 601.
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Course Content:
Gateway and User Interface.
Modeling/Sketcher.
Modeling Concepts.
General Edit Functions.
Layers.
Information and Analysis. ...
Assemblies.
Assembly Concepts.
Assembly Navigation/User Interface.
Reference Sets. ...
Drafting.
Drafting Introduction.
Drawing Creation.
Drawing Views. ...
Synchronous Modeling.
Sheet Metal

RESOURCE PERSONS

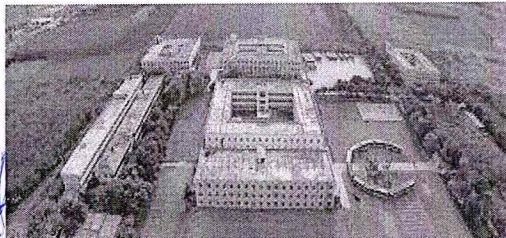
- ❖ Mr.B.Saida Rav Yadav
Trainers from APSSDC

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



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A One Week workshop
on
"CAD Essentials
for NX Designers"

During
01th-06th OCTOBER - 2018

Organized
By

Department of
Mechanical Engineering
in Association with
APSSDC



(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet - 522601, Guntur District, A.P.

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Accredited 'A' Grade by NAAC, Accredited Thrice by NBA,

Recognized R&D center by JNTUK,

ISO 9001:2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mechhod@nrtec.in

NARASARAOPETA ENGINEERING COLLEGE

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NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

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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 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

- ❖ Work with NX part files and NX template files
- ❖ Understand how to effectively use the NX user interface and work space
- ❖ Create sketches to capture design intent
- ❖ Create reference geometry for model development such as datum planes, axes, and coordinate systems
- ❖ Create basic features by sweeping and extruding geometry
- ❖ Analyze feature geometry
- ❖ Add detail to features such as blends and drafts
- ❖ Produce assemblies of component parts
- ❖ Produce annotated 2D drawings of models

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.

Chief Patron

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Vice - Chairman, NEC Group

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Vice- principal

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Coordinator

Mr. M.Venkaiah

Asst. professor, Dept of Mechanical Engineering

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Mr. M. Venkanna Babu

Ms. P. Sravani

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Mr. Shaik Bajan

Mr. P. Srinivasa Rao

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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Guntur Dist. A.P.

Sponsored by Gayatri Educational Development Society, Narasaraopet.

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Ph: 08647-239903 & 08647-239902 (Fax)

Visit us at : www.nrtec.ac.in

E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme : CAD Essentials for NX Designers
Dates : 01st-06th OCTOBER - 2018
Details of the Resource Persons : Mr.B.Saida Rav Yadav
Mobile Number : 8801088471
Designation : Trainers
Organization : APSSDC
Mail id : joinus@apssdc.in

Objective of the Programme:

- ❖ Work with NX part files and NX template files
- ❖ Understand how to effectively use the NX user interface and work space
- ❖ Create sketches to capture design intent
- ❖ Create reference geometry for model development such as datum planes, axes, and coordinate systems
- ❖ Create basic features by sweeping and extruding geometry
- ❖ Analyze feature geometry
- ❖ Add detail to features such as blends and drafts
- ❖ Produce assemblies of component parts
- ❖ Produce annotated 2D drawings of models

Topics covered:

- ❖ Gateway and User Interface.
- ❖ Modeling/Sketcher.
- ❖ Modeling Concepts.
- ❖ General Edit Functions.
- ❖ Layers.
- ❖ Information and Analysis. ...
- ❖ Assemblies.
- ❖ Assembly Concepts.
- ❖ Assembly Navigation/User Interface, Reference Sets. ...
- ❖ Drafting.
- ❖ Drafting Introduction.
- ❖ Drawing Creation.




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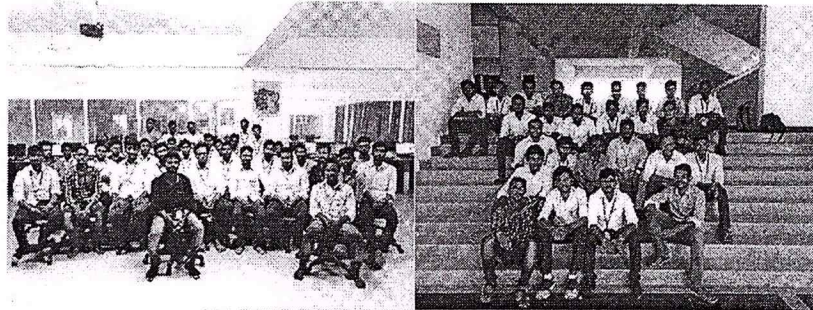
- ❖ Drawing Views.
- ❖ Synchronous Modeling.
- ❖ Sheet Metal

Outcome of the Programme:

- ❖ Work with NX part files and NX template files
- ❖ Understand how to effectively use the NX user interface and work space
- ❖ Create sketches to capture design intent
- ❖ Create reference geometry for model development such as datum planes, axes, and coordinate systems
- ❖ Create basic features by sweeping and extruding geometry, Analyze feature geometry
- ❖ Add detail to features such as blends and drafts
- ❖ Produce assemblies of component parts
- ❖ Produce annotated 2D drawings of models


No. of Participants: 60

Photos with tag line:



CAD Essentials for NX Designers photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (D), A.P.


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Guntur (Dist.), A.P.

Course Content:

- ❖ Introduction to the Robcad environment
- ❖ Workcell layout
- ❖ Modeling and kinematics
- ❖ Process design and simulation
- ❖ CAD integration and translation

RESOURCE PERSONS

- ❖ Mr. Karanam Vamsi Krishna
- ❖ Mr. Vemuru Raj Kumar
Trainers from APSSDC

For Any Queries Contact:

Mr. M. Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



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A One Week workshop on

"ROBOCAD Basics"

**During
04th-08th SEPTEMBER - 2018**

Organized
By

**Department of
Mechanical Engineering
in Association with
APSSDC**

 **NARASARAOPETA
NEC ENGINEERING COLLEGE**

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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.in

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NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

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OBJECTIVES OF WORKSHOP

- ❖ To understand about Robcad environment
- ❖ To work on Workcell layout
- ❖ To develop Modeling and kinematics
- ❖ To observe Process design and simulation
- ❖ To analyze CAD integration and translation

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
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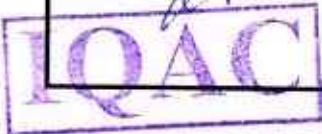
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RAJASARAOPEETA ENGINEERING COLLEGE

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NAVASARAOPEETA - 522 604,

GURUPET (Dist.), A.P.





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Visit us at : www.nrtec.ac.in

E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme : ROBOCAD Basics
Dates : 04th-08th SEPTEMBER - 2018
Details of the Resource Persons : Mr.KaranamVamsi Krishna-7013554006
Mr.Vemuru Raj Kumar-8247417247
Designation : Trainers
Organization : APSSDC
Mail id : ramakrishnaraju.m@apssdc.in

Objective of the Programme:

- ❖ To understand about Robcad environment
- ❖ To work on Workcell layout
- ❖ To develop Modeling and kinematics
- ❖ To observe Process design and simulation
- ❖ To analyze CAD integration and translation

Topics covered:

- ❖ Introduction to the Robcad environment
- ❖ Workcell layout
- ❖ Modeling and kinematics
- ❖ Process design and simulation
- ❖ CAD integration and translation

Outcome of the Programme:

- ❖ Analyze technical drawings using both CAD and basic manual tools.
- ❖ Create mechanical parts for different applications.
- ❖ Apply the stages of the design process from scratch using engineering graphics techniques such as sectional projections, dimensioning and computer-generated drawings (2D).
- ❖ Utilize ROBOCAD software to create Geometric Constructions.
- ❖ Apply Multi-View Projection, Sectional Views, Auxiliary Views and dimensioning to create pictorial drawings.
- ❖ Apply the stages of the design process from scratch using engineering graphics techniques such as sectional projections, dimensioning and computer generated drawings (2D and 3D)
- ❖ Apply principles of technical drawings to create different 3D models.
- ❖ Utilize SolidWorks surfacing features and methods to create complex solid geometry.
- ❖ Demonstrate problem-solving skills to master the creation of drawings and assemblies




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No. of Participants: 42

Photos with tag line:



ROBOCAD Basics photos


Coordinator


HOD

Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPET - 522 601, Guntur (Dist.), A.P.


IQAC


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

Course Content:

- ❖ Introduction to Autodesk Fusion 360
- ❖ Creating the First Feature with Quick Shapes
- ❖ Creating Sketched Geometry
- ❖ Additional Sketching Tools
- ❖ Sketched Secondary Features
- ❖ Pick and Place Features
- ❖ Construction Features
- ❖ Equation and Parameters
- ❖ Additional Features and Operations
- ❖ Design and Display Manipulation

RESOURCE PERSONS

- ❖ Mr.A.V.B.Sujith
 - ❖ Mr.A.Abhilash Reddy
- Trainers from APSSDC

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9966858269

Email: venkat.mandula304@gmail.com



ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopeta, 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 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.

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A One Week workshop on

"FUSION 360"

During
10th-15th DECEMBER - 2018

Organized
By

Department of
Mechanical Engineering
in Association with
APSSDC


NARASARAOPETA
ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamandla (P.O.)

Narasaraopeta - 522601, Guntur District, A.P.

Approved by AICTE, permanently Affiliated to JNTU, Kakinada,

Accredited 'A' Grade by NAAC, Accredited Thrice by NBA,

Recognized R&D center by JNTUK,

ISO 9001:2008 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mecchod@nrtec.in

(AUTONOMOUS)

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OBJECTIVES OF WORKSHOP

- ❖ Navigate the Autodesk Fusion 360 user interface
- ❖ Generating 3D parts from sketches
- ❖ Placing and constraining/connecting parts in assemblies
- ❖ Assembly Part Lists
- ❖ Creating and annotating drawings and views

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

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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-Patrons

Dr. M. Sreenivasa Kumar

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M. Tech, Ph.D., FIE (I), MISTE, MRSI
Vice-principal

Convener

Dr. S. B. Venkata Siva

Professor, HOD, Dept. of Mechanical Engineering

Coordinator

Mr. M.Venkaiah

Asst. professor, Dept of Mechanical Engineering

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Mr. M. Venkanna Babu

Ms. P. Sravani

Mr. M. Venkaiah

Mr. Shaik Bajan

Mr. P. Srinivasa Rao

Mr. T. Ashok Kumar

Mr. Ch. Sekhar

Mr. B. Rambabu

Mr. K. Kiran Chand

Mr. A.Pavan Kumar

Mr. N. Vijaya Sekhar



WARASAHAPETA UNIVERSITY
(AUTONOMOUS)

WARASAHAPETA - 522 501

Guntur (Dist.), A.P.



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Guntur Dist. A.P.

Sponsored by Gayatri Educational Development Society, Narasaraopet.

Approved by AICTE & Permanently Affiliated to Jawaharlal Nehru Technological University. Code : 47

Twice Accredited by NBA (CSE & ECE) & Accredited by NAAC "A" Grade - ISO 9001 : 2008 Certified Institution.

Ph: 08647-239903 & 08647-239902 (Fax)

Visit us at : www.nrtec.ac.in

E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme	: FUSION 360
Dates	: 10 th -15 th DECEMBER - 2018
Details of the Resource Persons	: Mr.A.V.B.Sujith-9666039895 Mr.A.Abhilash Reddy-9700023849
Designation	: Trainers
Organization	: APSSDC
Mail id	: saidu.0751@gmail.com

Objective of the Programme:

- ❖ Navigate the Autodesk Fusion 360 user interface
- ❖ Generating 3D parts from sketches
- ❖ Placing and constraining/connecting parts in assemblies
- ❖ Assembly Part Lists
- ❖ Creating and annotating drawings and views

Topics covered:

- ❖ Introduction to Autodesk Fusion 360
- ❖ Creating the First Feature with Quick Shapes
- ❖ Creating Sketched Geometry
- ❖ Additional Sketching Tools
- ❖ Sketched Secondary Features
- ❖ Pick and Place Features
- ❖ Construction Features
- ❖ Equation and Parameters
- ❖ Additional Features and Operations
- ❖ Design and Display Manipulation

Outcome of the Programme:

- ❖ Work with Fusion 360 files
- ❖ Understand how to effectively use the Fusion 360 user interface and work space
- ❖ Create sketches to capture design intent
- ❖ Create reference geometry for model development such as datum planes, axes, and coordinate systems

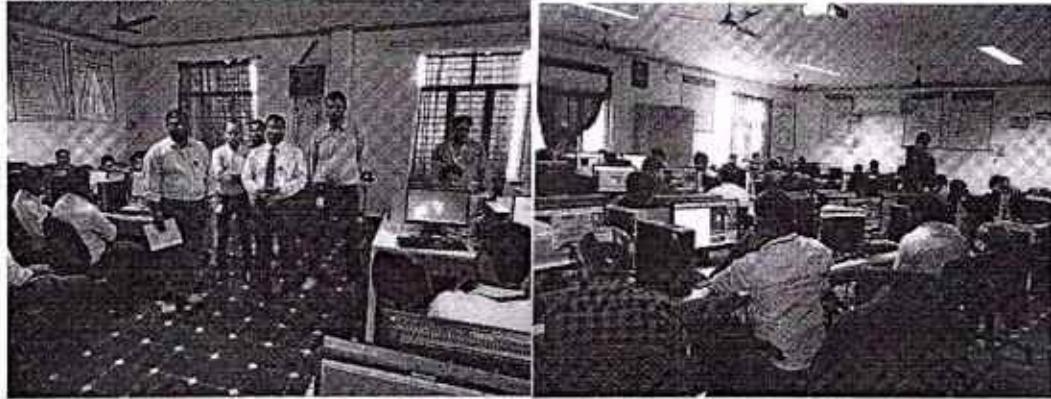



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- ❖ Create basic features by sweeping and extruding geometry, Analyze feature geometry
- ❖ Add detail to features such as blends and drafts
- ❖ Produce assemblies of component parts
- ❖ Produce annotated 2D drawings of models

No. of Participants: 48

Photos with tag line:



FUSION 360 photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPETA - 522 601.
Guntur (Dist.), A.P.

Course Content:

- Study of refrigerants R12,R134a
- Study of refrigerants R407 & R717
- Study of refrigerants for Vapor Compression Refrigeration System
- COP and VRC of alternative refrigerants relative to R11

RESOURCE PERSONS

- ❖ Mr.Sayeed
Trainers from ACTON DESIGN ENGINEERS (P) LTD

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9985808908

Email: venkannababu.mendi@gmail.com



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A Ten Day workshop on

**"Fabrication and Study of
Different Refrigerant
to increase COP"**

**During
11th-20th FEBRUARY - 2019**

Organized
By

**Department of
Mechanical Engineering
in Association with
ACTON DESIGN
ENGINEERS (P) LTD**

 **NARASARAOPETA
ENGINEERING COLLEGE**

(AUTONOMOUS)

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Principal

Phone: 08647-239923

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NARASARAOPET - 522601,

GUNTUR DISTRICT, A.P.

ABOUT THE DEPARTMENT

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OBJECTIVES OF WORKSHOP

- To understand the Study of refrigerants R12,R134a
- To understand the Study of refrigerants R407 & R717
- To understand the Study of refrigerants for Vapor Compression Refrigeration System
- To understand the COP and VRC of alternative refrigerants relative to R11

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thirst of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

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Mr. B. Rambabu

Mr. K. Kiran Chand

Mr. A.Pavan Kumar

Mr. N. Vijaya Sekhar

Principal
MARASARADPET ENGINEERING COLLEGE
(AUTONOMOUS)
MARASARADPET - 522 001
Guntur (Dist), A.P.



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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Ph: 08647-239903 & 08647-239902 (Fax)

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E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme	: Fabrication and Study of Different Refrigerant to increase COP
Dates	: 11 th -20 th FEBRUARY - 2019
Details of the Resource Persons	: Mr.Sayeed and Team
Designation	: Trainers
Organization	: ACTON DESIGN ENGINEERS (P) LTD
Mail id	: info@hvacmep.com

Objective of the Programme:

- ❖ To understand the Study of refrigerants R12,R134a
- ❖ To understand the Study of refrigerants R407 & R717
- ❖ To understand the Study of refrigerants for Vapor Compression Refrigeration System
- ❖ To understand the COP and VRC of alternative refrigerants relative to R11

Topics covered:

- ❖ Study of refrigerants R12,R134a
- ❖ Study of refrigerants R407 & R717
- ❖ Study of refrigerants for Vapor Compression Refrigeration System
- ❖ COP and VRC of alternative refrigerants relative to R11

Outcome of the Programme:

- ❖ Perform heating and air conditioning system inspection, maintenance, adjustment, and repair with limited supervision.
- ❖ Perform engine cooling system maintenance, diagnosis, and repairs as related to heating and air conditioning with limited supervision.
- ❖ Communicate professionally with employers, customers, and co-workers using industry standard language and following industry standard protocols.
- ❖ Access and utilize repair information in a rapidly changing technology.
- ❖ Develop and implement strategies and processes to solve heating and air conditioning repair problems.
- ❖ Perform heating and air conditioning repair to professional and ethical standards.

No. of Participants: 12



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NARASARAOPETA ENGINEERING COLLEGE
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Guntur (Dist.), A.P.

Photos with tag line:



Fabrication and Study of Different Refrigerant to increase COP photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 501, Guntur (Dt), A.P.


IQAC


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NARASARAOPETA - 522 501.
Guntur (Dist.), A.P.

Course Content:

- ❖ Desirable characteristics of refrigerant.
- ❖ Selection of pair
- ❖ Practical H₂O-NH₃ Cycle
- ❖ LiBr-H₂O system and its working
- ❖ Electrolux refrigeration system
- ❖ Solar based Vapour Absorption Air Conditioning System.

RESOURCE PERSONS

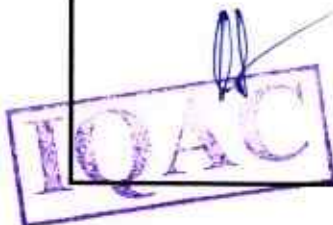
- ❖ Mr.Sayeed
Trainer from ACTON DESIGN ENGINEERS (P) LTD

For Any Queries Contact:

Mr. M.Venkanna Babu, Coordinator,

Mobile No: 9985808908

Email: venkannababu.mendi@gmail.com



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A Ten Day workshop on

**"Design Load Calculation
and cost Estimation
of Deep Freezer"**

**During
11th-20th FEBRUARY - 2019**

Organized
By

**Department of
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 **NARASARAOPETA
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(AUTONOMOUS)

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NARASARAOPETA ENGINEERING COLLEGE

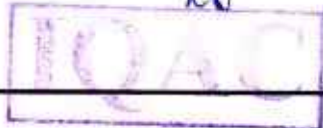
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OBJECTIVES OF WORKSHOP

- ❖ To understand the concept of Vapor Absorption Air conditioning System
- ❖ Study of H₂O-NH₃ Cycle
- ❖ Study of LiBr-H₂O system and its working
- ❖ Concept of Solar based Vapour Absorption Air Conditioning System and working.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
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Phone: 08647239905

Website: www.nrtenggcollege.com

Email: nrtec_principal@yahoo.com

PROGRAMME REPORT

Name of the Programme	: Design Load Calculation and cost Estimation of Deep Freezer
Dates	: 11th-20th FEBRUARY - 2019
Details of the Resource Persons	: Mr.Sayeed and Team
Designation	: Trainers
Organization	: ACTON DESIGN ENGINEERS (P) LTD
Mail id	: info@hvacmep.com

Objective of the Programme:

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- ❖ Study of H₂O-NH₃ Cycle
- ❖ Study of LiBr-H₂O system and its working
- ❖ Concept of Solar based Vapour Absorption Air Conditioning System and working.

Topics covered:

- ❖ Desirable characteristics of refrigerant.
- ❖ Selection of pair
- ❖ Practical H₂O-NH₃ Cycle
- ❖ LiBr-H₂O system and its working
- ❖ Electrolux refrigeration system
- ❖ Solar based Vapour Absorption Air Conditioning System.

Outcome of the Programme:

- ❖ Understand the Desirable characteristics of refrigerant.
- ❖ Process of Selection of pair
- ❖ Analyzing Practical H₂O-NH₃ Cycle
- ❖ Observing the LiBr-H₂O system and its working

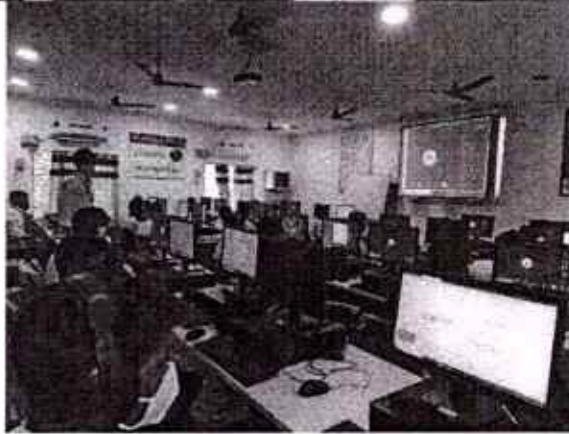


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Principal
Narasaraopeta Engineering College
Kotappakonda Road, Yellamanda (P.O),
Narasaraopet-522601,
Guntur (Dist.), A.P.

- ❖ Understanding Electrolux refrigeration system
- ❖ Fabrication of Solar based Vapour Absorption Air Conditioning System.

No. of Participants: 12

Photos with tag line:




Design Load Calculation and cost Estimation of Deep Freezer photos


Coordinator


HOD


IQAC


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

Course Content:

- Deep freezer Checking & servicing ,
- Preventive maintenance & trouble shooting
- Checking wiring circuit, test components,
- Replacing components,
- install gauge manifold in the system,
- Evacuation, gas charging,
- Installation,
- Testing performance.

RESOURCE PERSONS

- ❖ Mr.Sayeed
Trainers from ACTON DESIGN ENGINEERS (P) LTD

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9985808908

Email: venkannababu.mendi@gmail.com



ABOUT THE COLLEGE

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A Ten Day workshop on

**"Fabrication of Deep Freezer
with Efficient Cooling with
6 row Deep Cool"**

During

11th-20th FEBRUARY - 2019

Organized

By

**Department of
Mechanical Engineering
in Association with
ACTON DESIGN
ENGINEERS (P) LTD**

**NARASARAOPETA
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Kotappakonda Road, Yellamanda (P.O)

Narasaraopet - 522601, Guntur District, A.P

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Recognized PGD center by JNTUK.

ISO 9001:2008 Certified

Phone 08647-239923

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NARASARAOPET - 522 601.

Guntur (Dist.), A.P.

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OBJECTIVES OF WORKSHOP

- To understand about Deep freezer Checking & servicing .
- To know about Preventive maintenance & trouble shooting
- To Check wiring circuit, test components,
- For Replacing components,
- To understand install gauge manifold in the system,
- To understand Evacuation, gas charging,
- To know Installation, Testing performance.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
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- ❖ Certificate will be provided to all the participants, on successful completion of workshop.

Chief Patron

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Chairman, NEC Group

Sri M. Ramesh Babu

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M. Tech, Ph.D., FIE (I), MISTE, MRSI
Vice-principal

Convener

Dr. S. B. Venkata Siva

Professor, HOD, Dept. of Mechanical Engineering

Coordinator

Mr. M.Venkaiah

Asst. professor, Dept of Mechanical Engineering.

ORGANIZING COMMITTEE

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Mr. K. Kiran Chand

Mr. N. Vijaya Sekhar

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Mr. B. Rajiv Kumar

Mr. N.V. Mahesh Babu T

Ms. P. Sravani

Mr. Shaik Bajan

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Mr. A.Pavan Kumar

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Sponsored by Gayatri Educational Development Society, Narasaraopet.

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Ph: 08647-239903 & 08647-239902 (Fax)

Visit us at : www.nrtec.ac.in

E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme	: Fabrication of Deep Freezer with Efficient Cooling with 6 Row deep cool
Dates	: 11 th -20 th FEBRUARY - 2019
Details of the Resource Persons	: Mr.Sayeed and Team
Designation	: Trainers
Organization	: ACTON DESIGN ENGINEERS (P) LTD
Mail id	: info@hvacmep.com

Objective of the Programme:

- ❖ To understand about Deep freezer Checking & servicing ,
- ❖ To know about Preventive maintenance & trouble shooting
- ❖ To Check wiring circuit, test components,
- ❖ For Replacing components,
- ❖ To understandinstall gauge manifold in the system,
- ❖ To understand Evacuation, gas charging,
- ❖ To know Installation,Testing performance.

Topics covered:

- ❖ Deep freezer Checking & servicing ,
- ❖ Preventive maintenance & trouble shooting
- ❖ Checking wiring circuit, test components,
- ❖ Replacing components
- ❖ Install gauge manifold in the system
- ❖ Evacuation, gas charging,
- ❖ Installation, Testing performance.

Outcome of the Programme:

- ❖ Perform deepfreezer system inspection, maintenance, adjustment, and repair with limited supervision.
- ❖ Perform engine cooling system maintenance, diagnosis, and repairs as related to heating and air conditioning with limited supervision.
- ❖ Communicate professionally with employers, customers, and co-workers using industry standard language and following industry standard protocols.



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Guntur (Dist.), A.P.

- ❖ Access and utilize repair information in a rapidly changing technology.
- ❖ Develop and implement strategies and processes to solve Deepfreezer repair problems.
- ❖ Perform deep freezer repair to professional and ethical standards.

No. of Participants: 12

Photos with tag line:



Fabrication of Deep Freezer with Efficient Cooling with 6 row Deep Cool photos


Coordinator


HOD

Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (Dist.), A.P.


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

Course Content:

- Psychrometry.
- Heat transfer and Air Distribution.
- Components of Refrigeration Systems.
- Electric controls.
- Commercial Applications.
- Air-Conditioning Systems & Maintenance.

RESOURCE PERSONS

- ❖ Mr.Sayeed
Trainers from ACTON DESIGN ENGINEERS (P) LTD

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9985808908

Email: venkannababu.mendi@gmail.com



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A Ten Day workshop on

**"Study and Fabrication of
Assembly of Components
of Refrigerator"**

During

11th-20th FEBRUARY - 2019

Organized

By

**Department of
Mechanical Engineering
in Association with
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Phone: 08647 239923

NARASARAOPET - 522 601.

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OBJECTIVES OF WORKSHOP

- To know about Psychrometry.
- To understand about Heat transfer and Air Distribution.
- To know about Components of Refrigeration Systems.
- To understand about Electric controls.
- To know Commercial Applications.
- To understand about Air-Conditioning Systems & Maintenance.

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.

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Vice - Chairman, NEC Group

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Coordinator

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Mr. T. Ashok Kumar

Mr. Ch. Sekhar

Mr. B. Rambabu

Mr. K. Kiran Chand

Mr. A.Pavan Kumar

Mr. N. Vijaya Sekhar

Principal

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Center (Dist.) A.P.





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Ph: 08647-239903 & 08647-239902 (Fax)

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E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme : Study and Fabrication of Assembly of Components of Refrigerator
Dates : 11th-20th FEBRUARY - 2019
Details of the Resource Persons : Mr.Sayeed and Team
Designation : Trainers
Organization : ACTON DESIGN ENGINEERS (P) LTD
Mail id : info@hvacmep.com

Objective of the Programme:

- ❖ To know about Psychrometry.
- ❖ To understand about Heat transfer and Air Distribution.
- ❖ To know about Components of Refrigeration Systems.
- ❖ To understand about Electric controls.
- ❖ To know Commercial Applications.
- ❖ To understand about Air-Conditioning Systems & Maintenance.

Topics covered:

- ❖ Psychrometry.
- ❖ Heat transfer and Air Distribution.
- ❖ Components of Refrigeration Systems.
- ❖ Electric controls.
- ❖ Commercial Applications.
- ❖ Air-Conditioning Systems & Maintenance.

Outcome of the Programme:

- ❖ Perform refrigerator system inspection, maintenance, adjustment, and repair with limited supervision.
- ❖ Perform engine cooling system maintenance, diagnosis, and repairs as related to heating and refrigerator with limited supervision.
- ❖ Communicate professionally with employers, customers, and co-workers using industry




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standard language and following industry standard protocols.

- ❖ Access and utilize repair information in a rapidly changing technology.
- ❖ Develop and implement strategies and processes to solve Deep freezer repair problems.
- ❖ Perform deep freezer repair to professional and ethical standards.

No. of Participants: 12

Photos with tag line:



Study and Fabrication of Assembly of Components of Refrigerator photos


Coordinator


HOD

Dept. of Mechanical Engineering
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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPETA - 522 601.
Guntur (Dist.), A.P.

Course Content:

- ❖ Ductable Packaged (DPAC) Air Conditioners
- ❖ Roof Top Units (RTU)
- ❖ Selection of Centralized Machines
- ❖ Precision Air conditioning
- ❖ Cooling Towers
- ❖ VRF/VRV systems
- ❖ Selection of VRF/VRV Machines
- ❖ CAV & VAV Systems
- ❖ Chillers
- ❖ Installation of Non Centralized Machines
- ❖ Installation of Centralized Machines

RESOURCE PERSONS

- ❖ Mr.Sayeed
Trainers from ACTON DESIGN ENGINEERS (P) LTD

For Any Queries Contact:

Mr. M.Venkaiah, Coordinator,

Mobile No: 9985808908

Email: venkannababu.mendi@gmail.com



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A Ten Day workshop

on

“Design of Air Conditioning System for a Data Center or Server Room using Precision Air Conditioning System”

During

11th-20th FEBRUARY - 2019

Organized

By

**Department of
Mechanical Engineering
in Association with
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 **NARASARAOPETA
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OBJECTIVES OF WORKSHOP

- ❖ To understand about Ductable Packaged (DPAC) Air Conditioners
- ❖ To know about Roof Top Units (RTU)
- ❖ Procedure for Selection of Centralized Machines
- ❖ Precision Air conditioning
- ❖ About Cooling Towers
- ❖ VRF/VRV systems
- ❖ Selection of VRF/VRV Machines
- ❖ CAV & VAV Systems
- ❖ Chillers
- ❖ Installation of Non Centralized Machines
- ❖ Installation of Centralized Machines

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
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Mr. K. Kiran Chand	Mr. A.Pavan Kumar
Mr. N. Vijaya Sekhar	

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Ph: 08647-239903 & 08647-239902 (Fax)

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E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme	: Design of Air Conditioning System for a Data Center or Server Room using Precision Air Conditioning System
Dates	: 11 th -20 th FEBRUARY - 2019
Details of the Resource Persons	: Mr.Sayeed and Team
Designation	: Trainers
Organization	: ACTON DESIGN ENGINEERS (P) LTD
Mail id	: info@hvacmep.com

Objective of the Programme:

- ❖ To understand about Ductable Packaged (DPAC) Air Conditioners
- ❖ To know about Roof Top Units (RTU)
- ❖ Procedure for Selection of Centralized Machines
- ❖ Precision Air conditioning
- ❖ About Cooling Towers
- ❖ VRF/VRV systems
- ❖ Selection of VRF/VRV Machines
- ❖ CAV & VAV Systems
- ❖ Chillers
- ❖ Installation of Non Centralized Machines
- ❖ Installation of Centralized Machines

Topics covered:

- ❖ Ductable Packaged (DPAC) Air Conditioners
- ❖ Roof Top Units (RTU)
- ❖ Selection of Centralized Machines
- ❖ Precision Air conditioning
- ❖ Cooling Towers
- ❖ VRF/VRV systems
- ❖ Selection of VRF/VRV Machines
- ❖ CAV & VAV Systems
- ❖ Chillers
- ❖ Installation of Non Centralized Machines
- ❖ Installation of Centralized Machines




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

Outcome of the Programme:

Illustrate the fundamental principles and applications of refrigeration and air conditioning system
Obtain cooling capacity and coefficient of performance by conducting test on vapour compression refrigeration systems

Present the properties, applications and environmental issues of different refrigerants.

Calculate cooling load for air conditioning systems used for various

Operate and analyze the refrigeration and air conditioning systems.

No. of Participants: 12

Photos with tag line:



Design Load Calculation and cost Estimation of Deep Freezer photos


Coordinator


HOD

Professor & Head
Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (D), A.P.


IQAC


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

Course Content:

- ❖ Methods for Heat Load Calculation
- ❖ Manual Heat Load Calculation
- ❖ Building Survey
- ❖ Material Survey
- ❖ U factors
- ❖ Tonnage Calculation
- ❖ Dehumidified flow rate
- ❖ Hourly Analysis Program (HAP)
- ❖ E20 sheet Calculation

RESOURCE PERSONS

- ❖ Mr. Sayeed
Trainers from ACTON DESIGN ENGINEERS (P) LTD

For Any Queries Contact:

Mr. M. Venkaiah, Coordinator,

Mobile No: 9985808908

Email: venkannababu.mendi@gmail.com



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 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 Ten Day workshop on

**“Design of Air Conditioning
System for College Building
with Schedule Based Control
using HAP Software”**

**During
11th-20th FEBRUARY - 2019**

Organized

By

**Department of
Mechanical Engineering
in Association with
ACTON DESIGN
ENGINEERS (P) LTD**

 **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 Thrice by NBA.

Recognized R&D Center by JNTUK.

NARASARAOPETA NEC ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601.

CONTACT: 9985808908

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.



OBJECTIVES OF WORKSHOP

- To understand Methods for Heat Load Calculation
- To understand Manual Heat Load Calculation
- To understand about Building Survey
- To understand Material Survey
- To know about U factors
- To understand Tonnage Calculation
- To understand Dehumidified flow rate
- To Calculate Hourly Analysis Program (HAP)
- To know E20 sheet Calculation

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty/Student in thrust of knowledge.
- ❖ The Registration fee for students is 300/-.
- ❖ Participants are restricted to 100 No's will be selected on first come first serve basis.

Guidelines:

- ❖ Certificate will be provided to all the participants, on successful completion of workshop.

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-Patrons

Dr. M. Sreenivasa Kumar

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

Dr. D. Suneel

M. Tech, Ph.D., FIE (I), MISTE, MRSI
Vice-principal

Convener

Dr. S. B. Venkata Siva

Professor, HOD, Dept. of Mechanical Engineering

Coordinator

Mr. M.Venkaiah

Asst. professor, Dept of Mechanical Engineering

ORGANIZING COMMITTEE

Dr. D. Jagadish

Mr. K. John Babu

Dr. P. Suresh Babu

Mr. B. Rajiv Kumar

Mrs. D.Raghavendra

Mr. N.V. Mahesh Babu T

Mr. M. Venkanna Babu

Ms. P. Sravani

Mr. M. Venkaiah

Mr. Shaik Bajan

Mr. P. Srinivasa Rao

Mr. T. Ashok Kumar

Mr. Ch. Sekhar

Mr. B. Rambabu

Mr. K. Kiran Chand

Mr. A.Pavan Kumar

Mr. N. Vijaya Sekhar

Principal

NARASARAOPEETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPEETA - 522 004

Website: www.narapeeta.ac.in



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Guntur Dist, A.P.
Sponsored by Gayatri Educational Development Society, Narasaraopet.

Approved by AICTE & Permanently Affiliated to Jawaharlal Nehru Technological University. Code : 47

Twice Accredited by NBA (CSE & ECE) & Accredited by NAAC "A" Grade - ISO 9001 : 2008 Certified Institution.

Ph: 08647-239903 & 08647-239902 (Fax)

Visit us at : www.nrtec.ac.in

E-mail : principal@nrtec.ac.in

PROGRAMME REPORT

Name of the Programme	: Design of Air Conditioning System for College Building with Schedule Based Control using HAP Software
Dates	: 11 th -20 th FEBRUARY - 2019
Details of the Resource Persons	: Mr.Sayeed and Team
Designation	: Trainers
Organization	: ACTON DESIGN ENGINEERS (P) LTD
Mail id	: info@hvacmep.com

Objective of the Programme:

- ❖ To understand about Ductable Packaged (DPAC) Air Conditioners
- ❖ To know about Roof Top Units (RTU)
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- ❖ Chillers
- ❖ Installation of Non Centralized Machines
- ❖ Installation of Centralized Machines

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

Outcome of the Programme:

- ❖ To Explain in detail Basic Components of Air-Conditioning & Refrigeration machines, Basic Refrigeration cycle, Accessories & Refrigerants
- ❖ To Know Detail classification of Air-Conditioning System
- ❖ To Study Psychrometric Chart and Explain Hydronic System, Water Piping, Fittings used in the HVAC Piping System Function, CHW Pipe supports & Pump Head Calculation

No. of Participants: 12

Photos with tag line:



Design of Air Conditioning System for College Building with Schedule Based Control using HAP Software photos


Coordinator


HOD

Dept. of Mechanical Engineering
NARASARAOPETA ENGINEERING COLLEGE
NARASARAOPETA - 522 601, Guntur (DC), A.P.


IQAC


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

**A Two Week Online Training programme
on
“An Introduction to Programming the Internet of
Things”**

02nd- 18th May , 2018

STUDENT REGISTRATION FORM

Name: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

DECLARATION

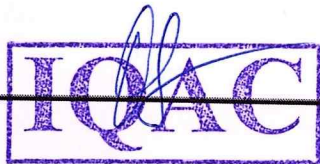
The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the APSSD Training Programme.

Signature of the Applicant

Date :

Place :

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



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 Two Week Online Training Programme
on
“An Introduction to Programming the Internet of
Things”**

02nd- 18th May , 2018

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 thrice by NBA,

Phone : 08647-239913

FAX : 08647-239913

E-Mail : ecehod@nrtec.ac.in

**NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)**

**NARASARAOPETA - 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 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 APSSDC-SIEMENS:

The main aim of courser-UCI 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 designed for Engineering College students and it mainly deals with various aspects of interment of things. The course aims to achieve the following objectives:

- To understand about the fundamentals of Internet of Things and its building blocks along with their characteristics
- To understand the recent application domains of IoT in everyday life
- To understand the protocols and standards designed for IoT and the current research on it.
- To understand the other associated technologies like cloud and fog computing in the domain of IoT

The Programme will be designed around the following major topics:

- Introduction to Internet of Things (IoT): The Internet of Things (IoT) is a network of physical objects or people called "things" that are embedded with software, electronics, network, and sensors which allows these objects to collect and exchange data.

- Four Key components of IoT framework are 1) Sensors/Devices, 2) Connectivity, 3) Data Processing, 4) User Interface

RESOURCE PERSONS

Mr. Mr.K.Hanuman

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. V.Venkata Rao
Professor & Head, Dept. of ECE

COORDINATOR:

Mr. A.Raveendra Babu
Assistant Professor, Dept. of ECE

ORGANIZING COMMITTEE:

Dr.A.V.Nageswararao - Professor

Dr.K.Raju Professor

Dr..Raghavaiah Professor

J.V.K Ratnam Associate Professor


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

Date:28.5.2018

PROGRAMME REPORT

Name of the Programme : A Two weeks online Programme on
“An introduction to Programming the internet of Things”

Dates : 08th to 18th May, 2018

Details of the Resource Persons :

1. Name : Mr.K.Hanuman
Designation : Professor
Organization :Coursera-UCI
Phone No : 9491786857
Mail.Id : hanuma.k@gmail.com

Objective of the programme:

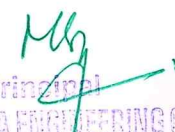
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Topic Covered:

- Introduction to Internet of Things (IoT): The Internet of Things (IoT) is a network of physical objects or people called “things” that are embedded with software, electronics, network, and sensors which allows these objects to collect and exchange data.
- Four Key components of IoT framework are 1) Sensors/Devices, 2) Connectivity, 3) Data Processing, 4) User Interface




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

Outcome of the programme:


1. The students will be thorough about the technology behind the IoT and associated technologies
2. The students will be able to use the IoT technologies in practical domains of society
3. The students will be able to gain knowledge about the state of the art methodologies in IoT application domains.

No. of participants: 112


Coordinator


HOD




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

APSSDC Training Programme
on
"Embedded Systems"

19th Dec, 2016 – 31st March, 2017

STUDENT REGISTRATION FORM

Name: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

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 APSSD Training Programme.

Signature of the Applicant

Date :

Place :

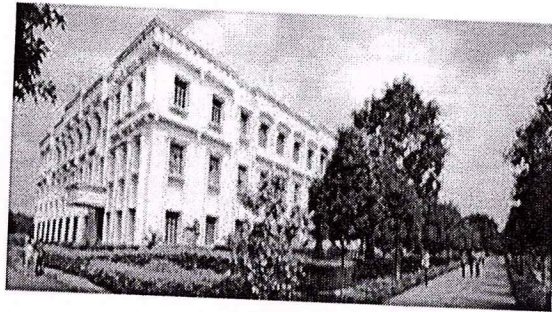
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ecehod@nrtec.ac.in
Any quires contact: 08647-239913



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APSSDC Training Programme
on
"Embedded Systems"

19th Dec, 2016 – 31st March, 2017

In Association with



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 thrice by NBA,

Principal

Phone : 08647-239913

FAX : 08647-239913

E-Mail : ecehod@nrtec.ac.in

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPETA - 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 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.

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The main aim of APSSDC-SIEMENS Project is to train the large number of unemployed 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 laboratories 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.

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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 Students and it mainly deals with various aspects of Embedded Systems and embedded systems c programming language. 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 students conversant with relevant practices in embedded systems.

The Programme will be designed around the following major topics:

- Introduction to Embedded Systems.
- Definition of Embedded systems, History of Embedded systems, Future scope of embedded systems
- Introduction to 8051 microcontroller.
- Embedded c Programming Language
- Types of embedded Language
- Rules for Embedded c Language
- Introduction to keil and protues.
- Software Download and Installation Procedure

RESOURCE PERSONS

Mr.B Mahidher

Engineer Technical Services - APSSDC

Mr. K Madhava

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.

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Vice-Chairman, NEC Group.

Sri M.Ramesh Babu
Secretary, NEC Group.

PATRON:

Dr. B.V.RAMA MOHANA RAO, M.Tech., Ph.D (IITK)
Principal.

CONVENER:

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

COORDINATOR:

Mr. A.Raveendra Babu
Assistant Professor, Dept. of ECE

ORGANIZING COMMITTEE:

J.V.K.Ratnam - Associate Professor

J.Narasimharao - Associate Professor

P.S.S Chakravarthy Associate Professor

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



NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Date: 05 -04-2017

PROGRAMME REPORT

Name of the Programme

: APSSDC Training Programme on
"Embedded Systems"

Dates

: 19th Dec, 2016 to 31st March, 2017

Details of the Resource Persons

:

Name

: Mr.B Mahidher, Mr. K Madhava

Designation

: Engineer Technical Services – APSSDC

Organization

:

Phone No

:

Mail.Id

:

Objective of the Programme:

This training programme is specially de-signed for Engineering College Students and it mainly deals with various aspects of Embedded Systems and embedded systems c programming language. 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 students conversant with relevant practices in embedded systems.

Topic Covered:

- Introduction to Embedded Systems.
- Definition of Embedded systems, History of Embedded systems, Future scope of embedded systems
- Introduction to 8051 microcontroller.
- Embedded c Programming Language
- Types of embedded Language




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

- Rules for Embedded c Language
- Introduction to keil and protues.
- Software Download and Installation Procedure

Outcome of the Programme:

- Analyze the operation of the Micro controller 8051.
- Design steps of Embedded c Language Programming.
- Design steps of software installation procedure.
- Simple Programmes of Embedded c.




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NARASARAOPETA ENGINEERING COLLEGE
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Guntur (Dist.), A.P.