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Key Indicator - 6.3

Faculty

Empowerment Strategies

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6.3.3

Average number of professional development / administrative training programs organized by the Institution for teaching and non-teaching staff

1	**List of Professional Development Programs**
2	**Professional development Programs**

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List of Professional Development Programs

6.3.3 Details of professional development / administrative training programmes organized by the Institution for teaching and non-teaching staff during the year

Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	No. of participants	Dates (from-to) (DD-MM-YYYY)
Java Programming		60	01-07-2025 to 05-07-2025
Emerging trends in VLSI for IOT Applications		27	23-06-2025 to 28-06-2025
Applications of Artifical Intelligance, Machine Laerning, Deep Learning, Large Language		100	13-06-2025 to 19-06-2025
Reacct JS		78	12-05-2025 to 17-05-2025
Outcome based Education		60	09-05-2025 to 15-05-2025
Autodesk Autocad		38	05-05-2025 to 09-05-2025
Sustainable constuctions Practices in Modren Infrastructure		11	17-03-2025 to 17-03-2025
Revaluationing Education with Gen AI:Teaching and Learning Strategies		60	10-03-2025 to 15-05-2025
Generative AI	Generative AI	45	10-03-2025 to 15-05-2025
Science, Technology and Innovation for sustainable development		56	27-01-2025 to 31-01-2025
Outcome based Assesment in Psychomotor and affective domain in NEP context		8	23-09-2024 to 27-09-2024
Machine Learning with Python		22	09-09-2024 to 14-09-2024
Planning Execution and Evaluation of Project Work		16	09-09-2024 to 13-09-2024
3D and 4 D Printing		17	19-08-2024 to 23-08-2024
Prime Vera		6	19-08-2024 to 31-08-2024
5G and Its use cases		31	29-07-2024 to 02-08-2024
AI & Gen AI with Industry Applications		60	16-07-2024 to 22-07-2024
Design Thinking and Innovation		98	18-06-2024 to 22-06-2024

Note: Classify the data and provide in a chronological order

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Professional development Programs

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Java Programming

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Circular

NEC NARASARAOPETA ENGINEERING COLLEGE
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Four times Accredited by NBA & NAAC "A+" Grade ISO 9001: 2008 Certified Institution
Phone: 08647-239917 e-mail: csehod@nrtec.in visit us at : www.nrtec.in

Date: 20-06-2025

CIRCULAR

All the Teaching staff members are here by informed that Department of Computer Science and Engineering is going to organize a one week Faculty Development Program on Java Programming during 01st – 05th July,2025. All the registered Teaching staff are requested to attend the FDP without fail.

Venue : Computer Lab(2201), Block-2, Narasaraopeta Engineering College.

Coordinator : Dr.k.SomaSekhar,

Assoc Professor, Dept. of CSE

IQAC HOD PRINCIPAL

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Copy to:

1. Chairman for Favour of Information
2. Principal
3. AO for Necessary arrangement
4. Department Notice Boards
5. Circulation to all Staff Members
6. All HOD's

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Brochure

Course Content

- Java is a platform-independent programming language that runs on the **Java Virtual Machine (JVM)**, enabling code portability across operating systems.

- It follows a **robust object-oriented programming model**, making it suitable for modular, maintainable, and secure application development.

- Java provides a vast **standard library (Java API)** that supports networking, data structures, database connectivity, GUI development, and multithreading.

- It is widely used in **enterprise applications**, Android development, web applications, cloud-based systems, and distributed computing.

- Java supports strong **memory management** through garbage collection, reducing memory leaks and improving performance.

- With frameworks like **Spring, Hibernate, and JavaFX**, Java is used to build scalable, production-grade applications.

- Java has an active global developer community, continuous updates, and long-term support (LTS) releases, ensuring reliability and relevance.

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and six courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI,AIML,CS,DS) ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3 and 1/2 Star Rating

NARASARAOPETA
NEC ENGINEERING COLLEGE
(AUTONOMOUS)

A National level
Faculty Development Programme

on

JAVA PROGRAMMING(INFOSYS)

01st – 05th August, 2022

Organized By

Department of

Computer Science and Engineering

NARASARAOPETA ENGINEERING COLLEGE

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Accreted By NBA and NAAC with A+ Grade.

Approved By AICTE, New Delhi, Permanently Affiliated To JNTUK, Kakinada
Kotappakonda Road, Yellamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in
Ph: 08647 239905
Fax: 08647 239902

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ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR, AI, ML, DL, cyber securities etc. in every year. Seven Ph.Ds. are awarded under our department faculty supervision and two 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 64 faculty members with 10 Professor, 15 Associate Professor and 34 Assist professors. The dept. has organized Workshop on Amazon web services conducted by APSSDC.

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Objective of Program

The objective of learning Java is to gain a strong understanding of its platform-independent programming capabilities, enabled by the Java Virtual Machine (JVM), which ensures code portability across diverse operating systems. Through mastering Java's robust object-oriented programming model, learners will be able to design modular, maintainable, and secure applications suitable for real-world environments. The objective also includes developing proficiency in the extensive Java Standard Library (Java API), which supports essential functions such as networking, data structures, GUI development, database connectivity, and multithreading. By exploring Java's role in enterprise solutions, Android development, cloud-based systems, and distributed computing, learners will understand its broad industry relevance. Additionally, the objective emphasizes understanding Java's efficient memory management through garbage collection, its security-focused architecture, and exception-handling mechanisms that make it ideal for mission-critical applications. Learners will also gain exposure to modern Java frameworks such as Spring, Hibernate, and JavaFX, enabling them to build scalable, production-grade systems. cloud platforms, DevOps tools, and containerized environments, while following best practices in design patterns, OOP principles, and modular programming.

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. S.Venkateswarulu,p
M.Tech., PhD ,Principal.

Convener

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

Coordinator

Dr.k.soma sekhar
Assoc Professor, Dept. of CSE.

ORGANIZING COMMITTEE

Dr. S.Siva Nageswara Rao

Dr K.S.M.V. Kumar

Dr.M.Sireesha

Dr.k.suresh Babu

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Schedule

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ORGANIZING BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

JAVA PROGRAMMING FDP -COURSE SCHEDULE

Date/Time	10:00 am – 11:30 am	11:45 am – 1:15 pm	2:00 pm – 4:00 pm
01-07-2025	**Introduction to Java** • Features of Java • Platform independence (JVM, JRE, JDK) • Java program structure • Setting up Java environment	**Basic Syntax & Data Types** • Variables, Datatypes • Input/Output in Java • Type casting	**Operators & Control Statements** • Arithmetic, logical operators • if-else, switch • loops – for, while, do-while
02-07-2025	**Object-Oriented Programming Concepts** • Class & Objects • Constructors • this keyword	**Inheritance & Polymorphism** • Types of inheritance • method overloading/overriding	**Abstraction & Encapsulation** • Abstract class • Interfaces • Access modifiers
03-07-2025	**Arrays & Strings** • 1D & 2D Arrays • String & StringBuffer • Common string functions	**Exception Handling** • try, catch, finally • throw & throws • built-in exceptions	**Packages & Wrapper Classes** • Creating packages • using built-in packages • Autoboxing & unboxing
04-07-2025	**Java Collections Framework** • List, Set, Map • ArrayList, HashMap • Iterators	**File Handling** • FileInputStream • FileOutputStream • Readers & Writers	**Multithreading** • Creating threads • Thread lifecycle • Synchronization
05-07-2025	**GUI Programming (JavaFX/Swing)** • Components & layout • Event handling	**Database Connectivity (JDBC)** • Connecting to DB • Executing queries • PreparedStatement	**Mini Project** • Build a Java application using OOP, collections, and file/database operations

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Attendance sheet

NARASARAOPET ENGINEERING COLLEGE : : NARASARAOPET (AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
FACULTY LIST ATTEND FDP (JAVA PROGRAMMING)

S. No.	Name	01-07-2025	02-07-2025	03-07-2025	04-07-2025	05-07-2025
1	Dr.S.N.Tirumala Rao					
2	Dr. S.V.N. Sreenivasu					
3	Dr. S.Siva Nageswara Rao					
4	V. Mahesh Babu					
5	Dr. O. Sambasiva Rao					
6	Dr. V. V. A. S. Lakshmi					
7	Dr G.Dilip Kumar					
8	Dr. B. Jayachandran					
9	Dr. G. Vijaya Kumar					
10	Dr. SK. Chand Basha					
11	Dr.S.Ganesh Babu					
12	Dr. M. Sireesha					
13	N. Vijay Kumar					
14	Dr. G. Siva Raman					
15	Dr. S. Venkatesan					
16	Dr. Vasantha Swaminathan					
17	Dr. R Ramnath					
18	Dr. T. Muni Sankar					
19	Dr.B.Srikanth					
20	Dr.Ch.Venkata Ratnam					
21	Dr.G.Prasanth					
22	Dr.P.Marimuthu.					
23	Dr.S.Janakiramudu					
24	Dr.Y.Lelakrishna					
25	Dr. A. Mahendar					
26	Dr. E. Rama Krishna					
27	Dr. M. Malyadri					
28	Dr. K. Ashok					
29	Dr. T. Nedunchezhian					
30	Sd. Rizwana					
31	Sk. Subhani					
32	P. Swathi					
33	SK. Gousya Pyari					
34	Sk. Khaja Mohiddin Basha					
35	K. Rambabu					
36	M. Satyam Reddy					
37	Sk. Rafi					
38	K V.Narasimha Reddy					
39	Y. Chandana					
40	G. Srinadh					

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S. No.	Name	01-07-2025	02-07-2025	03-07-2025	04-07-2025	05-07-2025
41	BELLAMKONDA SIVAPRASAD					
42	R. Sowjanya					
43	D.V. Padmavathi					
44	Abburi Ramesh					
45	B. Dileep Kumar					
46	M. Koteswara Rao					
47	P. Sireesha					
48	P. Solman					
49	M. SYAMKUMAR					
50	SANKURI Deva Raju					
51	B. Sathish Kumar					
52	S. Chaitanya Bharathi					
53	P RAMADEVI					
54	D. Venkata Reddy					
55	G. Saranya					
56	M. Venkata Rao					
57	Ch. Rajani					
58	M. Suneetha					
59	M. Suresh					
60	T. G. Ramnadh Babu					

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Program Report

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

Date: 10th July,2025.

Program Report

Name of the program : Faculty Development Program on Java Programming.

Date(s) of FDP : 1st - 5th July,2025.

Details of the Co- Ordinator:

Name	: Dr.k,SomaSekhar.
Designation	: Assoc Professor, Dept. of CSE.
Organization	: Narasaraopeta Engineering College.
Phone No.	: 9885190840
Mail-id	: .ksomasekhar@nrtec.in

Details of the Resource Person(s):

Name	: .Mrs Girija
Designation	: Senior Analyst
Organization	: Infosys.

Objective of the Program :

Java is a widely-used, high-level, object-oriented programming language that is designed to be platform-independent and secure. The primary objective of a Java programming program is to enable learners to develop reliable, portable, and scalable software applications using Java's core principles and features.Java is known for its "Write Once, Run Anywhere" capability, which means Java applications can run on any device or operating system equipped with the Java Virtual Machine (JVM). This makes it ideal for building cross-platform applications.

The Java programming language is used in a variety of domains such as: Web Development, Mobile Applications (especially Android), Enterprise Software, Embedded Systems, Desktop GUI Applications, Scientific and Research Applications, Overall Java programming aims to build a solid foundation for developers to create secure, efficient, and scalable applications suitable for a wide range of industries and technologies.

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Topics Covered

- Introduction to Java Programming & Setting up JDK and IDE (Eclipse/IntelliJ)
- Understanding Java Program Structure, Syntax, and Data Types
- Control Flow Statements – if-else, switch, loops (for, while, do-while)
- Object-Oriented Programming in Java – Classes, Objects, Inheritance, Polymorphism
- Encapsulation, Abstraction, and Constructors in Java
- Exception Handling – try, catch, throw, throws, and finally
- Arrays, Strings, and String Manipulation in Java
- Collections Framework – List, Set, Map, and their Implementations
- Multithreading and Concurrency in Java
- File Handling and I/O Streams in Java
- Interfaces, Abstract Classes, and Lambda Expressions
- Java Packages and Access Modifiers

Outcome of the Program

After completion of this program, the faculty are able to:

1. Develop and implement Java programs using object-oriented programming concepts.
2. Design and apply appropriate data structures and algorithms for problem-solving in Java.
3. Build real-world applications using file handling, exception handling, and multithreading.
4. Connect Java applications with databases using JDBC for data management.
5. Develop GUI-based and web-based applications using Java frameworks and APIs.

No. of Participants : 60

Coordinator

Dr.k,SomaSekhar.

HoD-CSE

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Press Note & Coverage

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Press Note

ఎన్. ఈ. సి లో "**జావా ప్రోగ్రామింగ్**" పై

ఇంజనీరింగ్ అధ్యా పకులకు 05 రోజుల శిక్షణ తరగతులు ప్రారంభం

స్థానిక నరసరావు పేట ఇంజనీరింగ్ కళాశాలలో కంప్యూ టర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ ఆధ్వ ర్యంలో ఇంజనీరింగ్ అధ్యా పకులకు "**జావా ప్రోగ్రామింగ్** "పై 05 రోజులు శిక్షణా తరగతులు ప్రారంభించినట్లు కళాశాల వైస్ చైర్మ న్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

శిక్షణ తరగతులు ప్రారంభ కార్యక్రమములో ముఖ్య అతిథులుగా మిస్టెస్ గిరిజ, సీనియర్ అనలిస్ట్ ఇన్ఫోసిస్ సంస్థ శిక్షకులుగా వ్యవహరించి అధ్యాపకులకు "**జావా ప్రోగ్రామింగ్** " కి సంబంధించిన ఊప్స్ కాన్సెప్ట్స్ ,ఎక్సెప్షన్ హ్యాండ్లింగ్ ,ఫైల్ హ్యాండ్లింగ్ వంటి మొదలగు అంశాలు గురించి వివరించారు.

ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్ డాక్టర్ స్ .వెంకటేశ్వరులు గారు మాట్లాడుతూ అధ్యా పకులను ఉద్దేశించి ప్రస్తుత సాఫ్ట్వే ర్ ఇంజనీరింగ్ లో "**జావా ప్రోగ్రామింగ్**" ద్వా రా చాలా ఉద్యో గ అవకాశములు విద్యా ర్థులకు అందించుటకు అధ్యా పకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు కల్పించారని ,అధ్యా పకులకు 05 రోజులు శ్రద్ధగా శిక్షణ తీసుకుని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ అధిపతి డాక్టర్ ఎస్. ఎన్ తిరుమల రావు గారు మాట్లాడుతూ ,ఈ 05 రోజుల శిక్షణ యందు "**జావా ప్రోగ్రామింగ్** లో "ఊప్స్ కాన్సెప్ట్స్, ఇన్హెరిటెన్స్ ఆబ్స్ట్రాక్ట్ క్లాస్స్ , మెథడ్ ఓవర్లోడింగ్ మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు.

అధ్యా పక శిక్షణా తరగతులు కోఆర్డినేటర్ డాక్టర్ కే సోమా శేఖర్ గారు మాట్లాడుతూ ఈ తరగతులకు ఆంధ్ర మరియు తెలంగాణ రాష్ట్రాల నుండి 60 మంది ఇంజనీరింగ్ అధ్యా పకులు పాల్గొన్నా రు అని తెలిపారు.

ఈ కార్య క్రమంలో కళాశాల చైర్మ న్ మిట్టపల్లి కోటేశ్వ రావు గారు కళాశాలలోని ప్రతి ఒక్క అధ్యా పకులు సంవత్స రంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వా లని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భంగా గుర్తు చేశారు.

కళాశాల సెక్రటరీ మెట్ప ల్లి రమేష్ గారు మాట్లాడుతూ, ఈ శిక్షణ తరగతులను నిర్వ హిస్తున్న కంప్యూ టర్ సైన్స్ అండ్ ఇంజనీరింగ్ అల్లైడ్ విభాగాలను అభినందించారు.

ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు అధ్యా పకులు పాల్గొన్నా రు.

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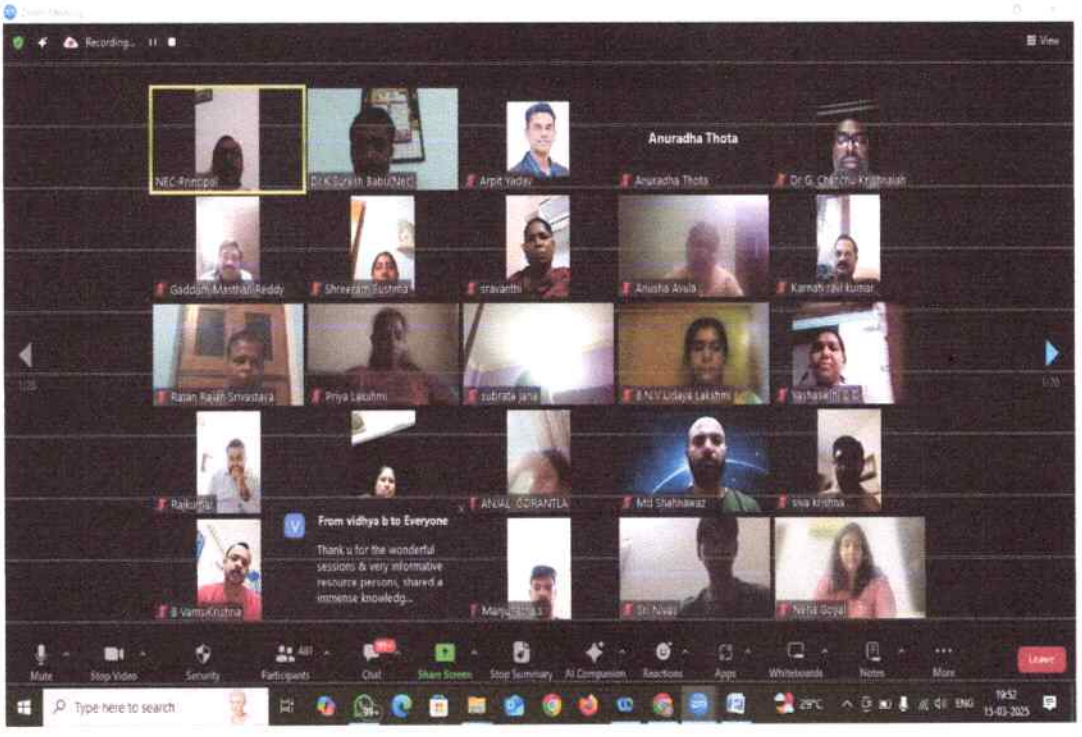

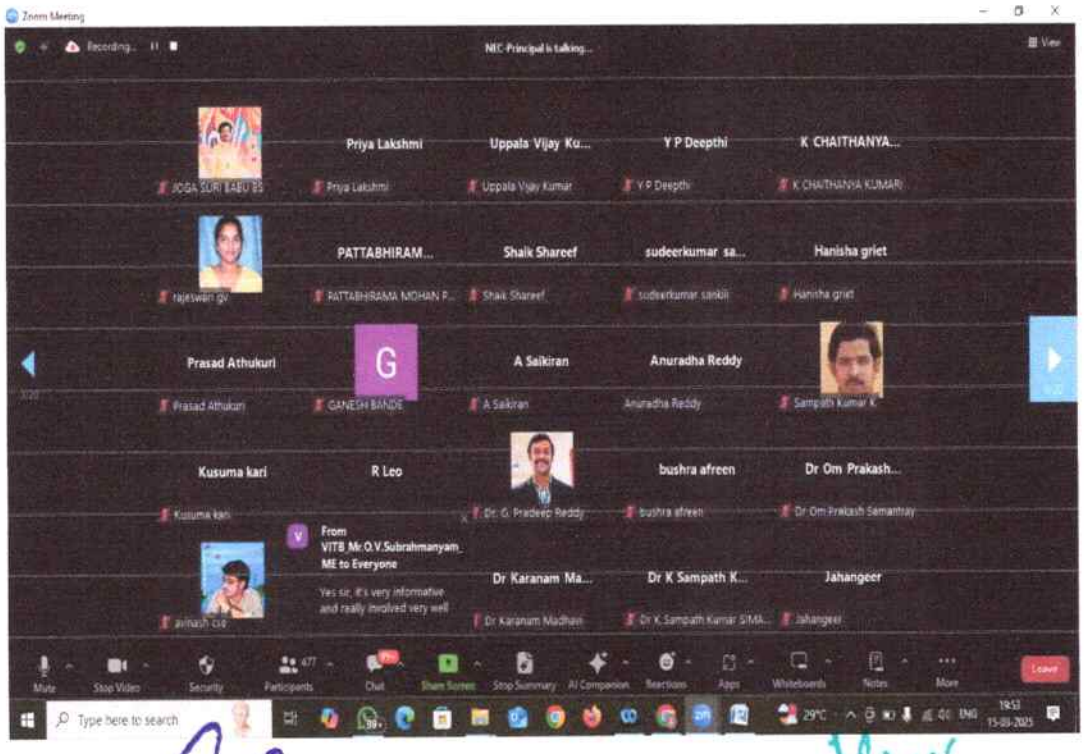

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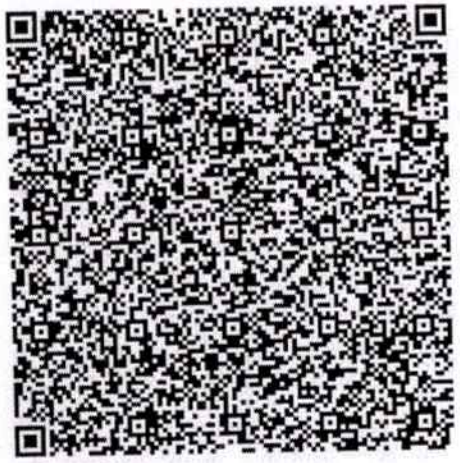

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Emerging trends in VLSI for IOT Applications

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

DEPARTMENT OF Electronics & Communication Engineering

Date: 20-07-2024

CIRCULAR

Department of Electronics & Communication Engineering organizing A Five Day Faculty Development Programme on **"EMERGING TRENDS IN VLSI FOR IOT APPLICATIONS"** from 23-06-2025 to 028-06-2025 in Association with SkillDzire.

Request all the faculty members to enroll the Program.

Programme Coordinator : 1. **Dr. Y.V Lakshmaiah**(7702026011)

IQAC HOD PRINCIPAL

Copy to:
1. Chairman for Favour of information
2. Principal
3. AO for necessary Arrangements
4. All HOD's
5. Circulation to all Staff members
6. Department Notice Boards

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Brochure

FDP ON
Emerging Trends in VLSI for IOT applications

23rd June-28th June, 2025

REGISTRATIONFORM

Name:

Designation:

Mobile: _____

CollegeName: _____

E Mail: _____

AreaofResearch:_____

Accommodation required: Yes/No

Registration Fee: Free

Signature of the Applicant

Note: The scanned copy of duly filled applicationform should be send to ecehod@nrtec.inon or before 01-06-2023.

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____
is working inour institution / Organization and ishere by sponsored to participate in FDP on "5G AND ITS USE CAGES" at Narasaraopeta Engineering College, Narasaraopet.

Place :
Date :
Signature of the Head of the Institution

IQAC

Topics to becovered:

Foundation of Low power VLSI design for IOT

Communication Protocals

Sensors Interfacing

Software and Hard ware Co-design

Iot Security

5G Integration

RTL Architectures for Edge AI in IOT

Impartment Dates:

Last Date for Registration:**15th June,2025**

Date of Confirmation:**20th June,2025**

Who Shall Participate?

The FDP is aimed at the multifaceted audience fromindustry, full time research scholars, PGstudentsand academicians from various Engineering colleges of ECE, EEE,CSE,IT and MCA departments.

Accommodation:

Limited Accommodation will beprovided for outstation participants on prior request.

For Accommodation contact::9440664462

Note: As the seats are limited, the selection is basedon first comefirst servebasis.

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NARASARAOPET-522601, Palnadu (Dist.), A.P.

FDP ON
Emerging Trends in VLSI for IOT applications

23rd June-28th June, 2025

In association with

SkillDzire

Organizedby

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&

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(P.O)Narasaraopet–
522601,PalnaduDistrict,A.P.
ApprovedbyAICTE,PermanentlyAffiliatedtoJNTUK,

Phone : **08647-239904**
FAX : **08647-239902**
E-Mail : **ecehod@nrtec.**

ABOUTTHECOLLEGE

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 autonomousinstitution of higher learning & knowledge in the heart of Palanadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade byNAAC and Accredited Quadruple by NBA. NEC is announced as'AUTONOMOUS' in the year 2016. The college has launchedIncubation Centre where the students canimplement theirideas. The college has an MOU with Oracle University USA.The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Techlevel in the branches EEE, CSE, CSE-AI, IT,CSE-AI&ML, CSE-CS, CSE-DS, ECE, ME and CIVIL. Thecollege has well equipped laboratories and computers. MicrosoftInnovationCentrewasestablishedi nthecollege.

In order to build a vibrant entrepreneurship ecosystemVenture Development Centre (VDC) is established inassociation with i2E North Eastern University, USA andAPSSDC. Also, the college has Indo-European skilling Centrefor Mechatronics and Industrial Robotics in collaboration withAPSSDC and ARC (Applied Robot Control), Germany. APCM's Skill Excellence Center is also established to providestudents access to the most advanced courses

The department has good infrastructural facilities and hasfull-fledged laboratories equipped with adequate state of the art equipment and latest software. The UG programme of the department is accredited Quadruple by NBA. The department hasEmbedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department hasvibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design ofvarious applications to fulfill the needs of industry. Thedepartment encourages faculty members and research scholarstocarryouttheirresearch.

ABOUTTHE FDP

FDP on "5G AND ITS USE CAGES" provides an excellent opportunity for faculty and researchers to learn new ideas in the field of VLSI, Communications and AI, ranging from decisionmaking systems for remote access& discovering novel biomedical knowledge for diseasetreatment using Machine Learning & Deep Learning techniques. The aim of FDPis to provide a platform, where researchers and academicianscan get hands-on training and share theirknowledge witheach other and enhance their research skills. Faculty membersare able to get deep insight into the details of advanced techniques in A IOT for different applications. As a result, the facultymembers participated in this program may propose new

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Schedule

SkillDzire VLSI-Day Wise Schedule

Day 1 – 23-June-2025

Foundation of VLSI in IoT Systems

Session Title: VLSI Design for Energy-Constrained IoT
Duration: 2 hours
Topics Covered:

- Importance of Low Power Design in IoT
- CMOS Power Components (dynamic vs. static)
- Techniques: Clock gating, power gating, MTCMOS
- RTL example: Clock-gated D Flip-Flop
- Testbench demo and waveform walkthrough

Day 2 – 24-June-2025

Communication Protocols in Hardware

Session Title: VLSI Architectures for IoT Protocols
Duration: 2 hours
Topics Covered:

- Overview of CoAP
- FSM-based protocol parsing
- RTL example: CoAP Header Parser
- Testbench and practical application in sensor nodes

Day 3 – 25-June-2025

Real-World Sensor Interfacing

Session Title: VLSI Interface Design for Smart Sensing
Duration: 2 hours
Topics Covered:

- Sensor types (analog/digital) and communication protocols (I2C, SPI)
- RTL example: SPI Master for sensor communication
- Use case: Integrating with temperature or motion sensors
- Lab demo or waveform simulation

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Day 4 – 26-June-2025

Bridging Hardware and Software

Session Title: VLSI-Software Co-Design for IoT Applications
Duration: 2 hours
Topics Covered:

- Embedded software role in controlling hardware blocks
- Memory-mapped IO, register interface
- RTL example: UART Transmitter with software control
- Co-simulation discussion and debug strategies

Day 5 – 27-June-2025

IoT Security and Wireless Infrastructure

Session Title: Secure Hardware and 5G Integration for IoT
Duration: 2 hours
Topics Covered:

- Lightweight cryptographic designs in RTL (e.g., XOR, AES S-box)
- RTL example: XOR-based Encryption Engine
- 5G + IoT Overview and VLSI challenges (latency, reliability)
- RTL snippet: Packet Scheduler or Priority Arbiter

Day 6 – 28-June-2025

Intelligence at the Edge

Session Title: RTL Architectures for Edge AI in IoT
Duration: 2 hours
Topics Covered:

- AI workloads at the edge (TinyML, anomaly detection)
- Core design: Multiply-Accumulate Units (MAC)
- RTL example: Pipelined MAC Unit
- Project discussion: Systolic arrays and CNN accelerators

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Attendance sheet

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Department Of Electronics and Communication Engineering

SkillDzire FDP Attendance (23-06-2025 To 28-06-2025)

S.No	FACULTY NAME	23-06-2025	24-06-2025	25-06-2025	26-06-2025	27-06-2025	28-06-2025
1	Dr. V.Venkata Rao						
2	Dr. K. Raju						
3	Dr.J.Brahmaiah Naik						
4	Dr. Y. Jaipal Reddy						
5	Dr.B. Suneetha						
6	Dr. Md.Javeed Ahammed						
7	Dr. Sk.Ebraheem Khaleelulla						
8	Dr.K.Srinivasa Rao						
9	Dr.Y.V.Lakshmaiah						
10	Dr. B. Siva Nageswara Rao						
11	Dr.SK.Nannu Saheb						
12	Mr.P.S.S.Chakravarthy						
13	Mr. J.Narasimha Rao						
14	Mr. N.Srinivasa Rao						
15	Mr. M. Hari Haranadha Sastry						
16	Mr. A.Raveendra Babu						
17	Mrs. T.Indira						
18	Mr. Ch. Adi Babu						
19	Mr.CH. Seshu kumar						
20	Mr.Sk. Md. Shareef						
21	Mr.P. Jaya babu						
22	Mrs.G. Rajavali						
23	Mr.G. S. J. Victor						
24	Mrs.P. Vinuthna						
25	Mr.N.Satyanarayarana						
26	Mr.B.Nagaiah						
27	Mr.K.Peda Raju						

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Program Report

NARASARAOPETA ENGINEERING COLLEGE
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Department of Electronics and Communication Engineering

Date : 1/7/2022

PROGRAMME REPORT

Name of the Programme: Faculty Development Programme (FDP) on **Emerging trends in VLSI for IOT applications** organized by Dept. of ECE in association with SkillDzire

Dates: 23rd June 2025 – 28th June 2025 (6 Days)

Coordinator: Dr. Y.V. Lakshmaiah

Resource Person: Mrs. S. Chandrika

RTL Design Engineer,

SkillDzire

Objectives of the Programme:

The main objective of this FDP was to provide faculty members and researchers with a clear understanding of VLSI design in IoT systems. It aimed to create awareness on fundamentals of low-power design techniques, communication protocols, and sensor interfacing. The programme also focused on bridging hardware and software through co-design approaches, introducing security challenges with 5G integration, and exploring edge AI architectures for next-generation IoT applications.

Topics Covered:

Foundations of Low-Power VLSI Design for IoT (Clock gating, Power gating, MTCMOS).

Communication Protocols (CoAP, FSM-based parsing, RTL design examples).

Sensor Interfacing (I2C, SPI, use cases with temperature/motion sensors).

Hardware-Software Co-Design (Memory-mapped IO, UART, debugging strategies).

IoT Security & 5G Integration (Lightweight cryptography, encryption engines, scheduling).

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Edge AI Architectures (Multiply-Accumulate Units, Systolic arrays, CNN accelerators).

Outcomes of the Programme:

Participants understood the basics of VLSI design in IoT applications.

Learned practical approaches to implement low-power design techniques.

Gained knowledge of sensor communication and interfacing with VLSI circuits.

Developed insights into hardware-software integration for IoT systems.

Acquired awareness of security challenges and solutions in IoT with 5G.

Enhanced skills to design and analyze AI-based architectures for edge computing.

Conclusion:

The Faculty Development Programme on **Emerging trends in VLSI for IOT applications** successfully achieved its aim of equipping participants with both theoretical and practical knowledge in the field of VLSI design. It provided an excellent platform to explore emerging technologies such as IoT, 5G, and AI at the edge, thereby strengthening the participants' research and teaching capabilities. The FDP proved to be a valuable experience that will contribute to advancing innovation and skill development in the domain of VLSI and IoT.

Coordinator

H.O.D
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Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.
(Sponsored by Gayatri Educational Development Society), Narasaraopet.
08647-239903 Visit us at : www.nrtec.in e-mail : principal@nrtec.in

యన్.ఐ.సి లో "ఎమర్జింగ్ ట్రెండ్స్ ఇన్ కి.యూ.యన్.ఐ. స్పేస్ ఐ.ఓ.టి ఆపరేషన్స్" పై వన్ వీక్ షార్ట్ టర్మ్ కోర్సు మెంటర్ (పూర్తి చేసారు.

స్థానిక నర్సీపట్నం లోని ఇంజనీరింగ్ కళాశాల ఎలక్ట్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ విభాగం వారి ఆధ్వర్యంలో "ఎమర్జింగ్ ట్రెండ్స్ ఇన్ కి.యూ.యన్.ఐ. స్పేస్ ఐ.ఓ.టి. ఆపరేషన్స్" పై వన్ వీక్ షార్ట్ టర్మ్ కోర్సు మెంటర్ (పూర్తి చేసారు 23-06-2025 to 28-06-2025 వరకు ఐదురోజుల పాటు నిర్వహించిన వర్క్ షాప్ లో పాల్గొన్నారు. ఈ కార్యక్రమానికి మొదటి రోజు ముఖ్య అతిథిగా యన్. చంద్రిక గారు హాజరయ్యారు. చంద్రిక గారు ఎమర్జింగ్ ట్రెండ్ ఇన్ కి.యూ.యన్.ఐ మరియు ఐ.ఓ.టి ఆపరేషన్స్ కాన్సెప్ట్ మరియు టీచింగ్ విత్ లెర్నింగ్ టైమ్ ఐ.ఓ.టి పై పలు అంశాలను పరిచయం చేసారు.

ఇ.సి.ఇ. విభాగాధిపతి డా॥ కె. వెంకటరావు గారు ఈ కార్యక్రమం నిర్వహించే మాట్లాడుతూ ఇలాంటి షార్ట్ టర్మ్ మెంటర్ (పూర్తి చేసిన విద్యార్థులు మొదలైన వారికి ఉద్యోగ అవకాశాలు ఎంచుకుని భవిష్యత్తులో ఉన్నతంగా ఎదగాలని ఆకాంక్షించారు.

ఈ కార్యక్రమానికి కళాశాల ప్రిన్సిపాల్ డా॥. యన్ వెంకటేశ్వర్లు గారు, వైస్ ప్రిన్సిపాల్ డా॥ సునీల్ గారు పాల్గొన్నారు.

కళాశాల వైస్ ప్రిన్సిపాల్ (శ్రీ. మిప్పర్తి వెంకట కోటేశ్వరరావు గారు, వైస్ ప్రిన్సిపాల్ (శ్రీ మిప్పర్తి చక్రవర్తి గారు, సైక్రియాట్రిక్ (శ్రీ మిప్పర్తి రత్నశ్రీ బాబు గారు, ఇ.సి.ఇ విభాగాధిపతి మరియు ఉద్యోగులను ఉద్దేశించి, ఇలాంటి కార్యక్రమాలు విద్యార్థులకు అందిన సమాచారాన్ని ఎంతగానో ఉపయోగపడుతాయని ఆకాంక్షించారు.

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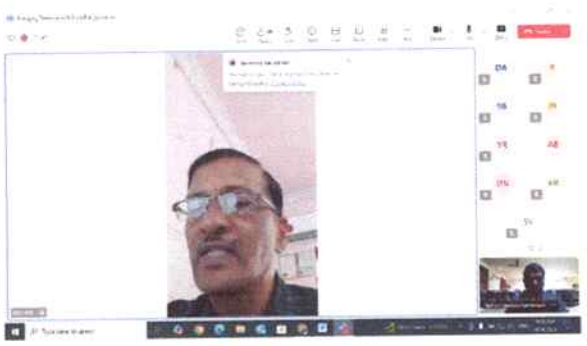
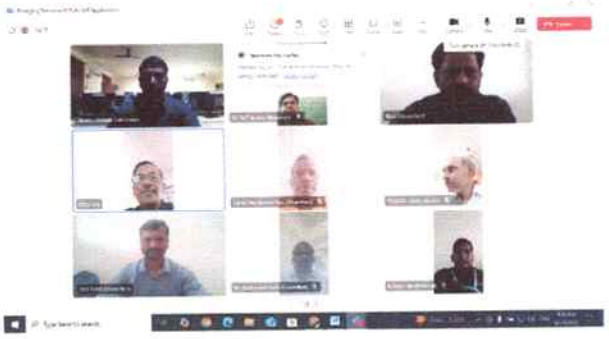
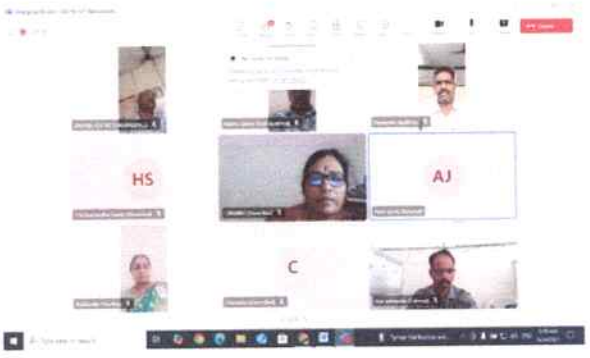
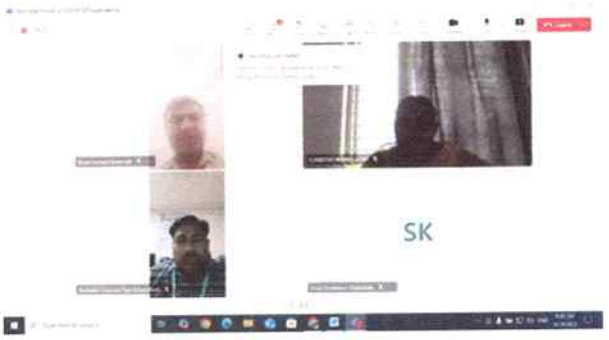
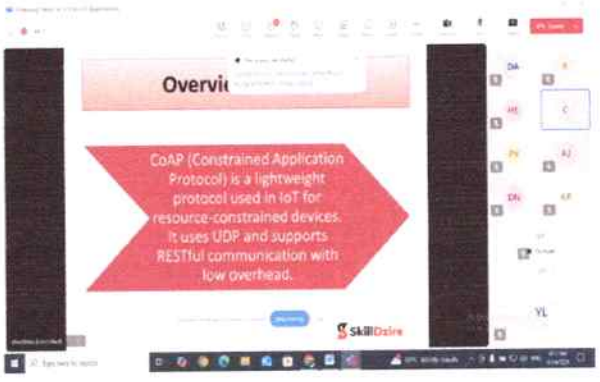
Photos

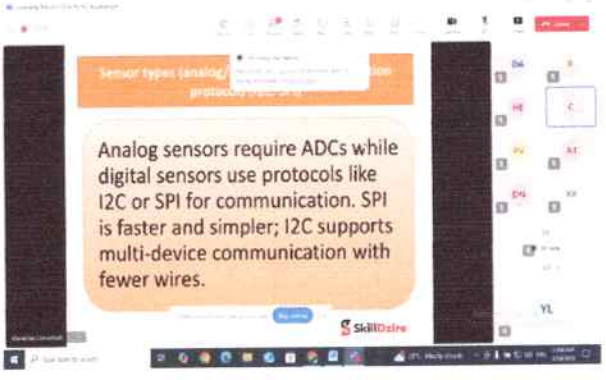












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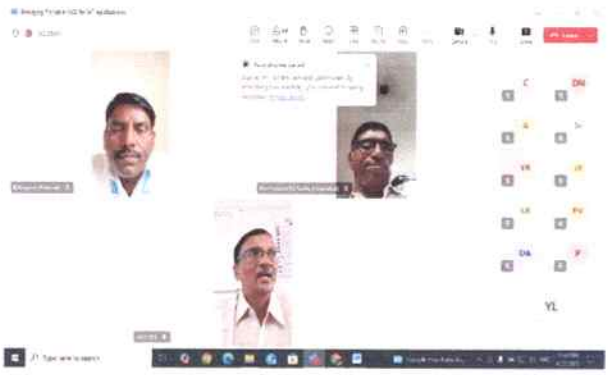

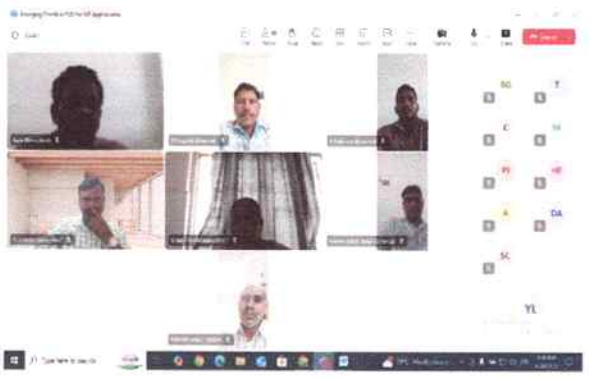

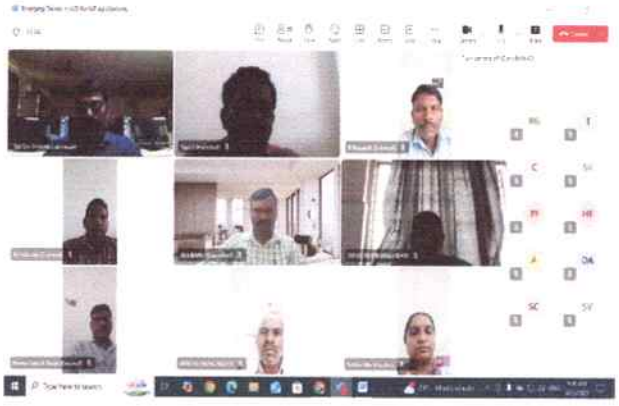

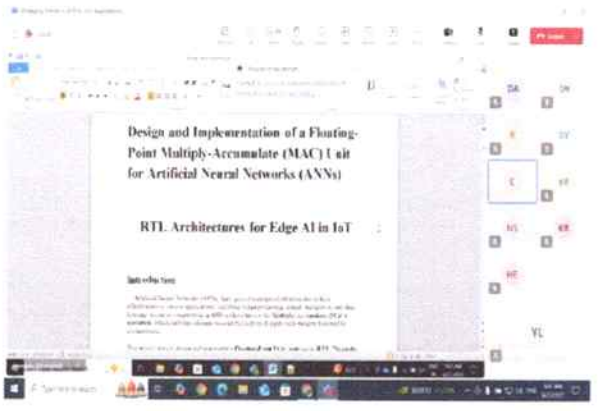

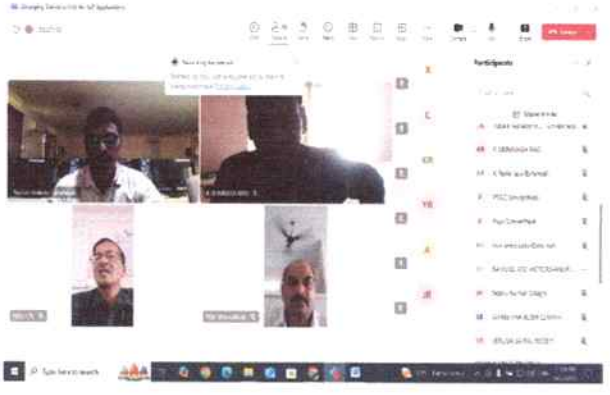

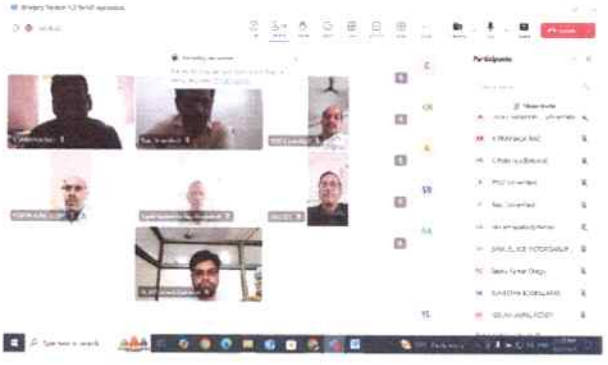

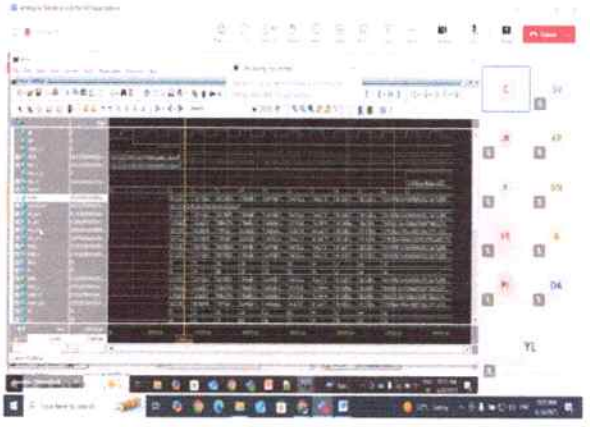

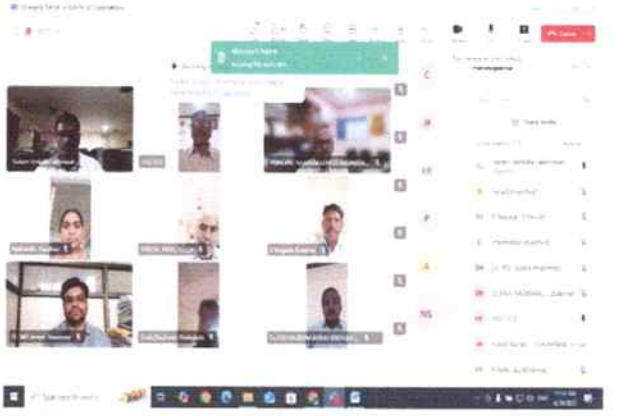

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Sample Certificates

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Mr.CH. Seshu kumar

Designation: Assistant Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

Emerging trends in VLSI for IOT applications

Organized By **SkillDzire** in collaboration with **AICTE**.

Duration: 23/06/2025 to 28/06/2025

IQAC

Certificate ID: **FDP-1156**

Issued On: **28-06-2025**

AICTE

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(AUTONOMOUS)
NARASARAOPET - 522 601, Palnadu (Dt.)

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Dr.G.V.Ramana Reddy

Designation: Assistant Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

Emerging trends in VLSI for IOT applications

Organized By **SkillDzire** in collaboration with **AICTE**.

Duration: 23/06/2025 to 28/06/2025

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

Certificate ID: **FDP-1165**

Issued On: **28-06-2025**

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NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Dr. N. Veda Kumar

Designation: Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

Emerging trends in VLSI for IOT applications

Organized By **SkillDzire** in collaboration with **AICTE**.

Duration: 23/06/2025 to 28/06/2025

QAC

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

Certificate ID: **FDP-1167**

Issued On: **28-06-2025**

AICTE

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

B. Baburao

Designation: Assistant Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

Emerging trends in VLSI for IOT applications

Organized By **SkillDzire** in collaboration with **AICTE**.

Duration: 23/06/2025 to 28/06/2025

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

Certificate ID: **FDP-1174**

Issued On: **28-06-2025**

AICTE

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Dr.Y.V.Lakshmaiah

Designation: Assistant Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

Emerging trends in VLSI for IOT applications

Organized By **SkillDzire** in collaboration with **AICTE**.

Duration: 23/06/2025 to 28/06/2025

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

Certificate ID: **FDP-1146**

Issued On: **28-06-2025**

Authorized Signature

NEC NARASARAOPETA ENGINEERING COLLEGE
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Applications of Artificial Intelligence, Machine Learning, Deep Learning, Large Language Models

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF CSE(AIML), CSE(CS), CSE(DS)

12-06-2025

Circular

All the HOD of Core Engineering Branches and Humanities are hereby informed that Department of CSE(AIML), CSE(CS), CSE(DS) is going to organize a One-week Faculty Development Program on **"Applications of Artificial Intelligence, Machine Learning, Deep Learning and Large Language Models"** during 13th – 19th June, 2025 by Dr. Venkateswara Rao Tirumalasetty, Former Academic Adviser, APSSDC. Hence all the teaching staff of respective departments as per the following schedule.

Date	Department
13-06-2025, 14-06-2025	Mathematics
16-06-2025, 17-06-2025	English
18-06-2025, 19-06-2025	Civil,EEE,Mech,ECE

Venue: Room No: 3305

Coordinator: P. Srinivasa Rao

Asst.Prof in CSE (AIML)

IQAC

Head of the Department

PRINCIPAL

IQAC

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NARASARAOPET - 522 601, Palnadu (Dt)

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Brochure

Course Content:

1. **Introduction to Artificial Intelligence**
2. **Fundamentals of Machine Learning**
3. **Data Preprocessing and Feature Engineering**
4. **Machine Learning Algorithms**
5. **Introduction to Deep Learning**
6. **Deep Learning Architectures**
7. **Natural Language Processing (NLP)**
8. **Large Language Models (LLMs)**
9. **AI Tools and Frameworks**
10. **Applications of AI, ML, DL and LLMs**
11. **Ethics and Challenges in AI**
12. **Hands-on Sessions and Case Studies**
13. **Future Trends in AI and Generative AI**

For Any Queries Contact:

P. Srinivasa Rao.

Mobile No: 9441537305

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 ECE, CSE and ME departments were Accredited by NBA under Tier 1. NEC accorded 'AUTONOMOUS' status since 2016 and valid upto 2032.

NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2024, 201-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 3 rd Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2024. INDIA TODAY Ranked NEC as 183 among Private Engineering Colleges in India for the year 2023. THE WEEK Magazine also ranked NEC as 14 among Private Engineering Colleges in AP for the year 2023. Careers 360 ranked NEC with AAA+ Grade for the year 2024. The college has approved research centres by JNTUK, Kakinada in CSE, ECE and Mechanical Engineering Depts. The college has launched Incubation Centre where the students can implement their ideas. NEC got approved for "NIDHI Technology Business Incubator" by Dept of Science & Technology, New Delhi. NEC received grant for establishment of IP facilitation centre (IPFC) in association with the Ministry of MSME, Govt. of India. The college has signed 70+ MoUs with reputed industries and International & National organizations like IES and the Swiss innovation powerhouse, Factor-Y (for innovation and entrepreneurial support), Red Hat Academy, Efftronics Systems Pvt. Ltd, Byte XL , New Mexico State University (NMSU), New Mexico, USA, TiE Hyderabad, Edu Skills etc. NEC is recipient of IBM Watsonx Generative AI Faculty Award of worth $10,000 USD. Our institute has academic partnership with WIPRO through their ELITE program, TalentNext. Also empanelled with BOSCH as training partner under "BRIDGE" Programme. The college offers Eight M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches EEE, CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME andCIVIL.

The college has well equipped laboratories and computers. The college has well experienced and dedicated faculty out of which 72 faculty hold Doctorate Degrees while 78+ patents and 416+ Publications (over last five years), 36 Books were onto the credit of faculty. The college has AP CM's Excellence centre. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC, Germany. Dassault Systems Lab is established to provide access to the students on most advanced courses by industry giants. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport.

A ONE WEEK

Faculty Development Program

on

"Applications of Artificial Intelligence, Machine Learning, Deeping Learning and Large Language Models"

During

13th – 19th June- 2025

Organized by

IQAC & Department of CSE(AIML), CSE(CS), CSE(DS)

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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

(Sponsored by Gayatri Educational Development Society), Narasaraopet.

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

Accredited by NBA (Tier 1) - CSE, ECE, ME & NAAC "A+" Grade.

Code: 47, NIRF: 2022 (251-300 Band) & ISO 9001: 2015 Certified Institution.

Phone : 08647-239923

E-Mail : aimlcsdshod@nrtec.in

Website : www.nrtec.in

: https://www.facebook.com/nrtenggcollege

: https://www.instagram.com/nrtec/

:https://www.linkedin.com/company/narasaraopeta-

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

NARASARAOPET - 522 601, Palnadu (Dist.)

ABOUT THE DEPARTMENT

CSE(Artificial Intelligence & Machine Learning)

The department of AI & ML focuses on cutting-edge technologies such as Artificial Intelligence (AI) and Machine Learning (ML). Our department offers comprehensive courses to equip students with knowledge and skills in AI and ML. We emphasize ethics, privacy, and responsible AI practices to ensure the development of socially beneficial AI solutions. Graduates from our department are well-prepared to excel in industry, academia, and entrepreneurship, making a positive impact in the world of AI and ML. The Department of CSE (Artificial Intelligence & Machine Learning) was established in 2022 with an initial intake of 60 students, which has now increased to 180.

Department : CSE(Data Science)

The Department of Computer Science and Engineering (CSE) specializing in Data Science focuses on the application of computational methods and algorithms to extract insights and knowledge from large and complex datasets. It provides a comprehensive education in data analysis, machine learning, statistical modelling, and data visualization. Students in this department gain practical experience in working with real-world data and develop the skills to solve complex problems using data-driven approaches. The department emphasizes research and innovation to contribute to advancements in the field of data science and its applications across various industries. The Department of CSE (Data Science) was established in 2022 with an intake of 60 students.

Department: CSE(Cyber Security)

The Department of Computer Science and Engineering (CSE) specializing in Cyber Security focuses on the protection of digital systems, networks, and data from potential threats and vulnerabilities. It offers comprehensive education and training in areas such as network security,

OBJECTIVES OF THE FDP

1. To provide participants with fundamental concepts and recent advancements in Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), and Large Language Models (LLMs).
2. To enhance the understanding of various AI and ML algorithms and their real-world applications across different domains.
3. To introduce deep learning architectures, neural networks, and modern techniques used in intelligent systems development.
4. To familiarize faculty members with Large Language Models, generative AI tools, prompt engineering, and conversational AI applications.
5. To enable participants to explore practical implementation of AI, ML, DL, and LLM techniques using modern software tools and frameworks.
6. To promote research and innovation in emerging AI technologies for academic and industrial applications.
7. To provide hands-on exposure to data preprocessing, model training, evaluation, and deployment techniques.

COURSE COORDINATOR:

Dr. T.VenkateswaraRao

Guidelines:

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

Registration:

- Any Faculty in thrust of knowledge.
- Participants are restricted to 50 and will be selected on first come first serve basis.

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 S Venkateswarlu
M.E., Ph.D

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

Convener

Dr. V.V.A.S.Lakshmi
Professor, HOD, Dept. of Mechanical Engineering

Coordinator

P.SrinivasaRao
Assistant Professor, Dept. of CSE(AIML,CS,DS)

ORGANIZING COMMITTEE

Dr. K. Lakshminadh	Mrs. Ch. Rajani
Dr. E. Rama Krishna	Mrs. D.Sreekanth
Dr. K. Suresh Babu	Mr. G.NageswaraRao
Mr. M. Satyam Reddy	Mr. N.SivaRama Krishna
Mr. K V.Narasimha Reddy	Mr. G.Mahesh Babu
Mr. M. Venkata Rao	Mr. P.V.Sathish Kumar
Mr. J. Syam Babu	Mr. M.Sai Yaswanth
Mr. G. Jeevana Manikanta	Mrs. K.Mounika

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Schedule

Narasaraopeta Engineering College : Narasaraopet
(Autonomous)
CSE(AIML),CSE(CS),CSE(DS)
A One Week FDP on Applications of AI,ML,DL,LLMs in Core Engineering Branches & Humanities

Resource Person: Dr.T VRao

No	Date	Dept	Tool	Concepts Covered
1	6/13/2025	Mathematics	Python Programming through Goolge colab tool and Jupyter Notebook tool	Using sympy library methods
				Linear Algebra
				Matrices
				System of simulations equations
				Finding Partial Derivatives
				Multiple Integrals
				Factorization
				Solving linear equvations using Sympy
				Derivatives
				Basic Python Concepts
				Python programming using all operators
				Control statements
				Types of Arrays and different methods on Arrays
				String Concept and methods using strings
				ASCII values for characters
2	6/14/2025	Mathematics	Python Programming through Goolge colab tool and Jupyter Notebook tool	Using numpy library methods
				Matrices
				Operations on Matrices
				Functions
				ploting
				Using Matplotlib library methods
				Multiple Ploting
				Laplace transforms
				Inverse Laplace transforms
				probobilities
				Distibution
				Multiple graph with same axes
				Using scipy library methods
				Bizection Method
				Solving Differential Equvations
				Using cmath library methods
3	6/16/2025	English	Python Programming through Goolge colab tool and Jupyter Notebook tool	Punctuation in string module
				Basic Python Concepts
				Finding vowels in a word
				spell check entire sentence by text blog
				Using nlth library methods
				Removing stop words
				Definition of Machine Learning & Deep Learning
				Computational linguistics on effective communication
				Frequency distribution of words
				Sentiment analysis using a pre train models
				NLT - Natural Language Toolkit methods
				spell check using standard library
				String Concept and various methods using on strings

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				Parts of Speech
				Drawing a tree diagram
			Python Programming through Goolge colab tool and Jupyter Notebook tool	Misspelt words for correction
				Emotion classification
4	6/17/2025	English		Sentiment analysis using a pre train models
				Text classification
				hugging face
				Text generation
				File Processing
				Essay writing,
				Summarzation
				Machine Learning Concepts
				Examples of Mechanical data with speed,feed, depth of out and surface
				Classificaion & Regression techniques
				Trains model in Machine Learning
				Examples for matplotlib
				Regreesion Analyis using Machine Learning
			Python Programming through Goolge colab tool and Jupyter Notebook tool	Classification of Algorithms like 1.Linear & Logistic Regression 2.Decision Tree 3.Random Forest 4.K.Nearest Neighbours 5.SVM(Support Vector Machine) 6.PCA(Principle Component Analysis)
5	6/18/2025	ECE,EEE,ME,Civil		Label Encoder
				MinMax Scalers
				Data Slicing
				Differences between Machine verses Deep Learning
				Usage of sklearn library
				Decision tree classfiers
				Decision tree representation
				Random forest for both classification & Regression
				Decision tree classification concept with one data set(Pointing)
				Decision tree classification concept with another data set (Housing)
			Python Programming through Goolge colab tool and Jupyter Notebook tool	Random forest algorithm with example considers as above data set
6	6/19/2025	ECE,EEE,ME,Civil		plot modifications with label,legand etc fractors
				PCA model
				Dimensionality Reduction
				KNN model with example
				Machine Learing Theory
				Types of Machine Learinging 1.Supervised 2.Unsupervise 3.Reinforcement
				ANN : Artificial Neural Network
				CNN :Convolutional Neural Network
				RNN : recurrent neural network
				Using tensorflow module : keras

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Attendance sheet

Narasaraopeta Engineering College (Autonomous)

Department CSE(AIML), CSE(CS), CSE(DS)

Attendance Sheeet for Applications of AI,ML,DL,LLMs in Core Engineering Branches & Basic Sciences

S.NO.	NAME OF THE FACULTY	DEPARTMENT	13-6-2025		14-6-2025	
			FN	AN	FN	AN
1	Dr. Sk. Mohiddin Shaw	MATHS				
2	Dr. R. Mohana Ramana	MATHS				
3	Dr. Ch. Maheswari	MATHS				
4	D. Umasankar	MATHS				
5	M. Prasad	MATHS				
6	A. Aparna	MATHS				
7	Dr. N. Ravi Babu	MATHS				
8	Sd. Roshini Banu	MATHS				
9	V. Radha	MATHS				
10	Y.C.V. Saida Rao	MATHS				
11	K.Harischandra Prasad	MATHS				
12	Sk. Shareef	MATHS				
13	Ch. Revathi	MATHS				
14	E. Nagadevi	MATHS				

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Narasaraopeta Engineering College (Autonomous)

Department CSE(AIML), CSE(CS), CSE(DS)

Attendance Sheeet for Applications of AI,ML,DL,LLMs in Core Engineering Branches & Basic Sciences

S.NO.	NAME OF THE FACULTY	DEPARTMENT	16-6-2025		17-6-2025	
			FN	AN	FN	AN
1	Dr. K. P. Lakshmi	ENGLISH				
2	Dr. V. Aruna	ENGLISH				
3	Dr. G. Radha Krishna Murthy	ENGLISH				
4	Z. Mohana Rao	ENGLISH				
5	Dr. Sk. Rafi	ENGLISH				
6	M. Purna Chandra Rao	ENGLISH				
7	Ch. Krishna	ENGLISH				
8	SK. A. Riyaz Basha	ENGLISH				
9	R. Chandra Mouli	ENGLISH				
10	Y. chandana	CSE				
11.	G. Soumya	CSE				
12.	P. Sireesha.	CSE				
13.	K. Mounika	AIML				
14.	Ch. Padma	AIML				
15.	T. Jyothsna	AIML				
16	N. Mounali	IT				
17.	P. V. Sakeh Reddy	AIML, CS, DS.				
18.	P. SOLOMON.	AIML, CS, DS				
19.	P. Sardar khan	AIML, CS, DS				
20	Dr. K. Suresh Babu	CSE				

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21	A. Veeraraco	CSE(AIML, CSD)				
22.	J. SYAMBABU	CSE(AIML, CS, DS)				

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S.NO.	NAME OF THE FACULTY	DEPARTMENT	18-6-2025		19-6-2025	
			FN	AN	FN	AN
1	Dr. P. Naga Sowjanya	CE				
2	K. Anil Kumar	CE				
3	N. Mb. Subhani	CE				
4	M. N. S. Samba Siva Rao	CE				
5	A. Lakshmi Prasanna	CE				
6	Sk. Sydha	CE				
7	M. Venkatesh	CE				
8	B.V.Srinivasa Rao	CE				
9	G. Ezri Babu	CE				
10	Dr. SK. Md. Shareef	EEE				
11	P.D.V.S.K.Kishore	EEE				
12	G.Naga Raju	EEE				
13	M.Chandra Sekhar	EEE				
14	G.Naveen	EEE				
15	Sk. Abdul Kalam	EEE				
16	P. Bramaramba Vathi	EEE				
17	P. Raghava Rani	EEE				
18	K. Silpa	EEE				
19	Dr. S. Venkata Siva	ME				
20	Dr. P.Suresh Babu	ME				
21	M. Venkaiah	ME				
22	P.Srinivasa Rao	ME				
23	Ch. Sekhar	ME				
24	K.Kiran Chand	ME				
25	Dr. M. Venkanna Babu	ME				
26	P. Sravani	ME				
27	T.Ashok Kumar	ME				
28	K. John Babu	ME				
29	A. Pavan Kumar	ME				
30	D. Raghavendra	ME				
31	A. Ankarao	ME				
32	M. Mothilal Naik	ME				
33	V. Swamulu	ME				

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34	U. Naga Raju	ME				
35	D. Ratna Babu	ME				
36	Dr. V.Venkata Rao	ECE				
37	Dr. K. Raju	ECE				
38	Dr. J. Brahamaih Naik	ECE				
39	P.S.S. Chakravarthi	ECE				
40	J. Narasimha Rao	ECE				
41	N. Srinivasa Rao	ECE				
42	Dr. Y. Jaipal Reddy	ECE				
43	Dr. Ebraheem Kaleelulla	ECE				
44	Dr. Md. Javeed Ahamed	ECE				
45	Dr.B. Suneetha	ECE				
46	Dr. K. Srinivasarao	ECE				
47	Dr. Y.V. Lakshmaiah	ECE				
48	Dr. B. Siva Nageswararao	ECE				
49	Dr. Sk. Nannu Saheb	ECE				
50	A.Raveendra Babu	ECE				
51	T.Indira	ECE				
52	G. S. Joe victor	ECE				
53	Ch. Adi Babu	ECE				
54	M. Hari Haranadha Sastry	ECE				
55	G. Rajavali	ECE				
56	Sk. Md. Shareef	ECE				
57	P. Jayababu	ECE				
58	P. Vinuthna	ECE				
59	D. Suneel	ECE				
60	CH. Seshu kumar	ECE				
61	G. Ramana Reddy	ECE				
62	B. Baburao	ECE				
63	N. Satyanarayana	ECE				
64.	K. Rajesaju	ECE				

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Program Report

NARASARAOPETA ENGINEERING COLLEGE
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DEPARTMENT OF CSE(AIML), CSE(CS), CSE(DS)

Date: 19-06-2025

PROGRAMME REPORT

Name of the Programme : A one week Faculty Development Program on "Applications of Artificial Intelligence, Machine Learning, Deeping Learning and Large Language Models"

Dates : 13-06-2025 to 19-06-2025

Details of the Resource Person: Dr. Thirumalasetty Venkateswara Rao

OBJECTIVE OF THE PROGRAMME:

This FDP is specially designed for CORE ENGINEERING BRANCHES & HUMANITIES Teachers.

The course aims to achieve the following Objectives:

1. To provide participants with fundamental concepts and recent advancements in Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), and Large Language Models (LLMs).
2. To enhance the understanding of various AI and ML algorithms and their real-world applications across different domains.
3. To introduce deep learning architectures, neural networks, and modern techniques used in intelligent systems development.
4. To familiarize faculty members with Large Language Models, generative AI tools, prompt engineering, and conversational AI applications.
5. To enable participants to explore practical implementation of AI, ML, DL, and LLM techniques using modern software tools and frameworks.
6. To promote research and innovation in emerging AI technologies for academic and industrial applications.
7. To provide hands-on exposure to data pre-processing, model training, evaluation, and deployment techniques.

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8. To encourage interdisciplinary applications of AI and intelligent systems in engineering, science, management, healthcare, and education.
9. To discuss ethical considerations, challenges, security issues, and responsible use of AI and generative technologies.
10. To strengthen teaching, research, and project development capabilities of faculty members in the field of Artificial Intelligence and related technologies.
11. To create awareness about current trends, future opportunities, and industry expectations in AI-driven technologies.
12. To facilitate interaction with experts, researchers, and industry professionals for knowledge sharing and collaborative learning.

Topics Covers:

1. Introduction to Artificial Intelligence and Intelligent Systems
2. Fundamentals of Machine Learning Techniques
3. Supervised, Unsupervised, and Reinforcement Learning
4. Data Preprocessing and Feature Engineering
5. Machine Learning Algorithms and Model Evaluation
6. Applications of AI and ML in Real-World Scenarios
7. Introduction to Deep Learning and Neural Networks
8. Artificial Neural Networks (ANN) and Backpropagation
9. Convolutional Neural Networks (CNN) for Image Processing
10. Recurrent Neural Networks (RNN) and Sequence Modeling
11. Deep Learning Frameworks and Tools
12. Natural Language Processing (NLP) Concepts and Applications
13. Introduction to Large Language Models (LLMs)
14. Generative AI and Transformer Architectures
15. Prompt Engineering Techniques for LLMs
16. Conversational AI and Chatbot Development
17. Applications of LLMs in Education, Research, Healthcare, and Industry
18. AI-Powered Data Analytics and Decision Support Systems
19. Ethical Issues, Bias, Privacy, and Responsible AI
20. AI Security, Challenges, and Future Trends
21. Hands-on Sessions on AI/ML/DL Model Development
22. Case Studies and Research Opportunities in AI and LLMs
23. Cloud-Based AI Platforms and Deployment Techniques
24. Industry-Oriented Applications and Emerging Innovations in AI Technologies

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Outcome of the Programme:

After successful completion of the program, the participants will be able to:

1. Understand the fundamental concepts, principles, and applications of Artificial Intelligence, Machine Learning, Deep Learning, and Large Language Models.
2. Analyse and apply various machine learning algorithms for solving real-world problems.
3. Develop basic AI and deep learning models using modern tools, frameworks, and programming techniques.
4. Demonstrate knowledge of neural networks, deep learning architectures, and transformer-based models.
5. Utilize Large Language Models and generative AI tools for educational, research, and industrial applications.
6. Apply data pre-processing, feature extraction, model training, and evaluation techniques effectively.
7. Design and implement intelligent systems for data analysis, prediction, automation, and decision-making applications.
8. Explore Natural Language Processing (NLP) techniques and conversational AI applications.
9. Identify ethical, security, privacy, and societal issues related to AI and responsible technology usage.
10. Enhance teaching, research, innovation, and project development skills in emerging AI technologies.
11. Integrate AI and machine learning concepts into academic curriculum, research activities, and interdisciplinary applications.
12. Gain awareness of current trends, future scope, and career opportunities in Artificial Intelligence and Large Language Models.

No. of Participants: **100**

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Press Note & Coverage

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NECలో IQAC,AIML, CS, DS విభాగాల ఆధ్వర్యంలో "AI, ML, DL, NLP, LLM" అంశాలపై అధ్యాపకులకు శిక్షణ

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కాలేజ్ లో IQAC , ఆర్టిఫిషల్ ఇంటెలిజెన్స్ మరియు మిషన్ లెర్నింగ్ (AIML), సైబర్ సెక్యూరిటీ (CS), మరియు డేటా సైన్స్ (DS) విభాగాల సంయుక్త ఆధ్వర్యంలో, AI, ML, DL, NLP, LLM వంటి ఆధునిక టెక్నాలజీలపై ఆరు రోజుల ఫ్యాకల్టి డెవలప్‌మెంట్ ప్రోగ్రామ్ (FDP) విజయవంతంగా నిర్వహించబడిందని ప్రోగ్రాం కోఆర్డినేటర్ పి. శ్రీనివాస రావు తెలిపారు.ప్రతి వేసవిలో అధ్యాపకుల అభివృద్ధికి FDPలను ఏర్పాటు చేస్తామని మరియు దీనిలో భాగంగా ఈ శిక్షణ కార్యక్రం నిర్వహించడం జరిగిందని కళాశాల ప్రిన్సిపాల్ డా. ఎస్. వెంకటేశ్వర్లు గారు తెలిపారు. ఈ శిక్షణా కార్యక్రమం ప్రత్యేకంగా హ్యూమానిటీస్ మరియు కోర్ ఇంజనీరింగ్ శాఖలకు చెందిన అధ్యాపకుల కోసం రూపొందించబడింది. శిక్షణలో కృత్రిమ మేధస్సు యొక్క అన్వయాలు, సహజ భాష ప్రాసెసింగ్, మరియు జనరేటివ్ AI టూల్స్ వినియోగం వంటి అంశాలపై విశేషంగా అవగాహన కల్పించబడింది.ప్రధాన వక్తగా పాల్గొన్న APSSDC ఫార్మర్ అకాడమిక్ అడ్వైసర్ మరియు VIT పూణే Adjunct ప్రొఫెసర్ డా. టి. వి. రావు గారు ఆధునిక సాంకేతిక అంశాలను విపులంగా వివరించారు. ప్రాక్టికల్ సెషన్‌లలో ChatGPT, BERT, LLMs పనితీరు, మోడల్ ఇంటర్ప్రెటబిలిటీ, Bias Mitigation వంటి విషయాలు పాల్గొన్న అధ్యాపకులకు ప్రాముఖ్యంగా బోధించబడ్డాయి.ఈ కార్యక్రమంలో పాల్గొన్న 90 మంది అధ్యాపకులను కళాశాల చైర్మన్ శ్రీయం. వి. కోటేశ్వర రావు గారు, వైస్ చైర్మన్ శ్రీ చక్రవర్తి గారు, సెక్రటరీ శ్రీ రమేష్ బాబు గారు, మరియు వైస్ ప్రిన్సిపాల్ డా. సునీల్ గారు అభినందించారు. ఈ FDP ప్రోగ్రాం విజయవంతంగా సాగేందుకు విభాగాధిపతి డా. లక్ష్మి సమగ్ర పర్యవేక్షణ అందించారు.

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వార్త శుక్రవారం 20, జూన్ 2025

ఎన్ఇసిలో అధ్యాపకులకు శిక్షణ

నరసరావుపేట టౌన్, జూన్ 19 ప్రభాతవార్త : ఎన్ఇసి కళాశాలలో అధ్యాపకులకు శిక్షణా కార్యక్రమాన్ని గురువారం నిర్వహించారు. ఆర్టిఫిషియల్ ఇంటిలిజెన్స్, మిషన్ లెర్నింగ్, సైబర్ సెక్యూరిటీ, డేటా సైన్స్ వంటి విభాగాలలో వస్తున్నటువంటి నూతన మార్పులపై అవగాహన కల్పించారు. మొత్తం ఆరు రోజుల పాటు డెవలప్‌మెంట్ ప్రో గ్రాంను విజయవంతంగా నిర్వహించినట్లు కోఆర్డినేటర్ శ్రీనివాసరావు తెలిపారు. ప్రతి వేసవిలో అధ్యాపకుల కొరకు శిక్షణా కార్యక్రమాలు జరుగుతాయని ప్రిన్సిపాల్ ఎస్.వెంకటేశ్వర్లు తెలిపారు. శిక్షణా కార్యక్రమానికి హ్యూమనిటీస్, కోర్ ఇంజనీరింగ్ శాఖలకు చెందిన అధ్యాపకుల కొరకు ప్రత్యేక ప్రణాళిక రూపొందించామన్నారు. అధ్యాపకులు టి.వి.రావు ఆధునిక సాంకేతిక అంశాలను వివరించారు. శిక్షణ ముగింపు కార్యక్రమంలో కళాశాల ఛైర్మన్ మిట్టపల్లి వెంకట కోటేశ్వరరావు, వైస్ ఛైర్మన్ మిట్టపలపల్లి చక్రవర్తి, కార్యదర్శి రమేష్ తదితరులు పాల్గొన్నారు.

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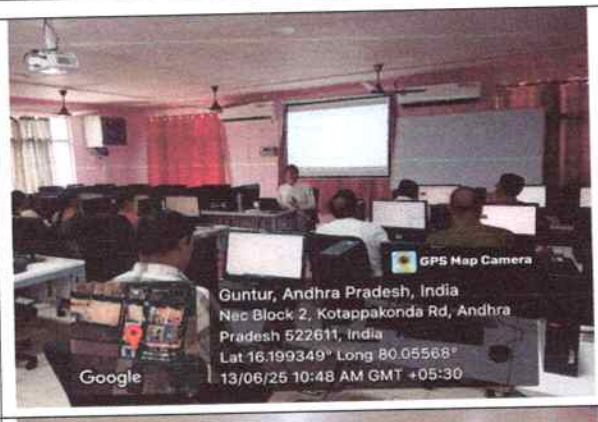
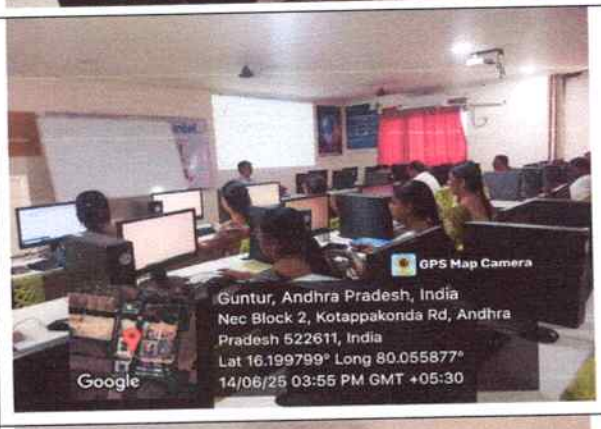
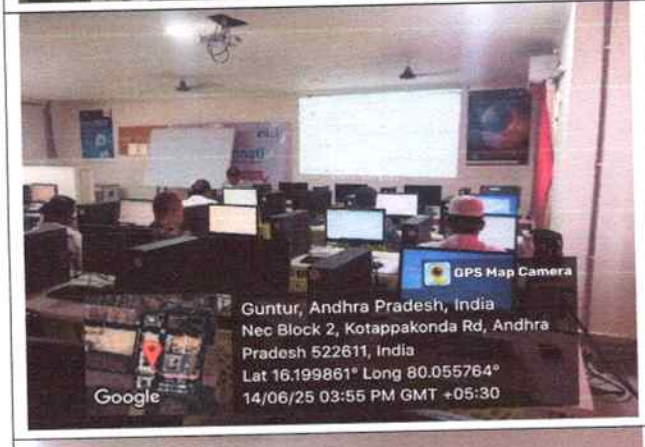
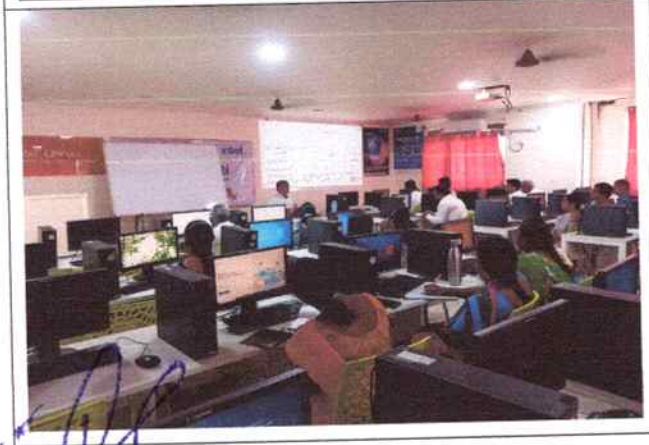
DEPARTMENT OF CSE (AIML), CSE (CS), CSE (DS)

ONE WEEK FDP ON "APPLICATIONS OF ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, DEEP LEARNING AND LARGE LANGUAGE MODELS"(AI,ML,DL,LLMs)









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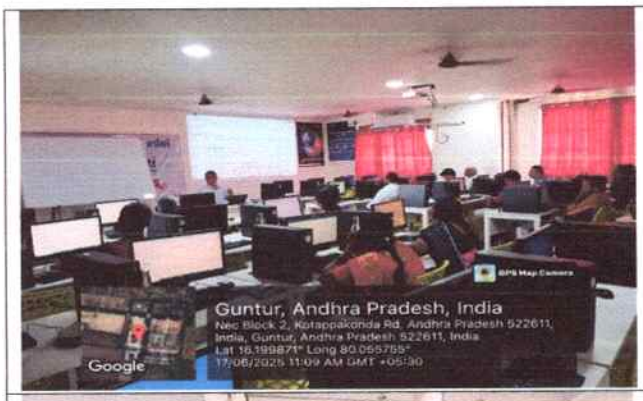

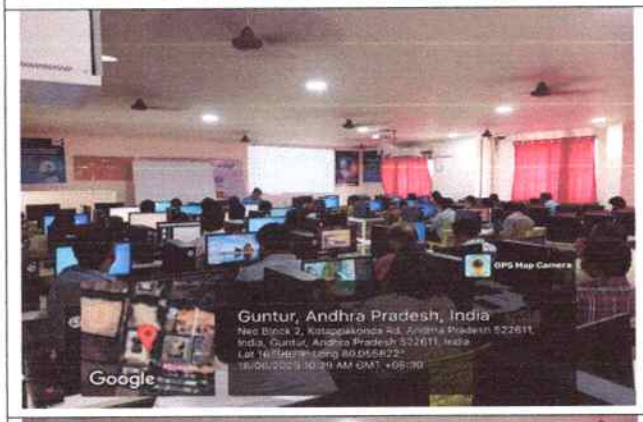

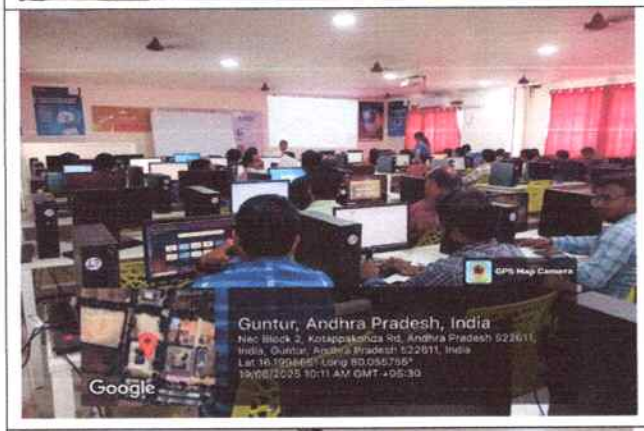

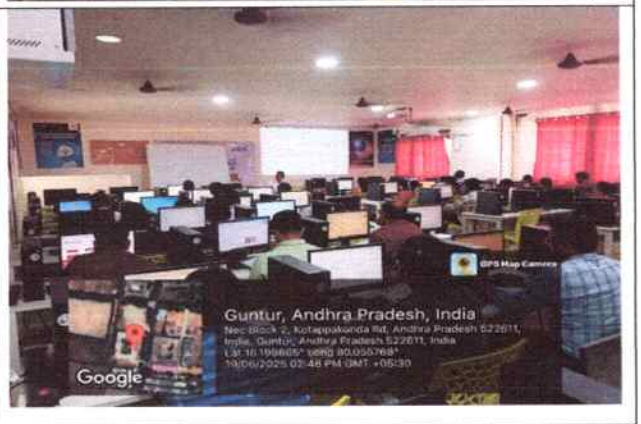

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Sample Certificates

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This certificate is presented to

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HoD – AIML, CS, DS

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React JS

NEC

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(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENTOFINFORMATIONTECHNOLOGY

Date:10-05-2025

CIRCULAR

All the Teaching Faculty members are here by informed that the Department of Information Technology is going to organize a One Week Faculty Development Program on React JS Conceptsduring12th – 17thMay,2025. Allthe registered Teaching staff are requested to attend the FDP without fail.

Venue :ComputerLab (2304),Block-2,NarasaraopetEngineering College.

Coordinator:N.B.S. Vijay Kumar
Assistant.Professor, ITDept.

Coordinator, IQAC HOD PRINCIPAL

Copyto:

1. ChairmanforFavorofInformation
2. Principal
3. AO forNecessaryarrangements
4. DepartmentNoticeBoards
5. CirculationtoallStaffMembers
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Brochure

Course Content:

- Introduction to React
- Components and Props
- State and Life Style
- Hooks
- Handling Events and Forms
- Conditional Rendering and Lists
- Routing
- API Calls and Data Fetching
- State Management
- Testing and Deployment
- Creating a Project on React JS

Resource Persons:

- Y. Surya Narayana, Associate Consultant, Skill Dzire

IMPORTANT DATES:

- **Last date for Registration: 10/05/2025**
- **Intimation to Participants: 11/05/2025**

Any Information Contact:
N.B.S. Vijay Kumar, Coordinator,
Mobile: 9490360460,
Email: vijaycse.scet@gmail.com

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ABOUT THE COLLEGE

The Narasaraopet Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M. V. Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence (COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps; 50 Cloud Apps and 100 Windows Apps are uploaded every year. In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

A One Week

Faculty Development Program

On

React JS Concepts

12th – 17th May 2025

In Association with
Skill Dzire

Organized

By

Department of Information Technology

NEC
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ENGINEERING COLLEGE

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

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ABOUT THE DEPARTMENT

The Department of IT started in the year 2019. with an intake of 60. Now the intake of the IT is 120 in UG, 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 responsi- bilities, 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 stu- dents have produced not only a commendable ac- ademic 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 in- novative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 25 research publication papers in different thrust areas like AR&VR, AI, ML, DL, cyber securities etc in every year. Many of the faculty members are upgrading their skills by attending the FDP, Con- ferences, seminars and workshops in innovative and thrust area technologies regularly.

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OBJECTIVE OF FDP

Enhance faculty knowledge and skills in modern web development by introducing the core concepts and advanced features of React.js. Bridge the gap between academic curriculum and industry practices by familiarizing faculty with contemporary front-end development tools, workflows, and best coding practices.

Encourage innovative teaching methodologies by enabling faculty to integrate React.js-based projects and case studies into their coursework.

Promote collaborative learning and research opportunities in the field of web and front-end development technologies.

Registration:

- The faculty members of the AICTE Approved institutions, PG & Research scholars from Government, Industry can participate in this FDP.
- Number of participants is limited to 200
- To register, please visit: https://docs.google.com/forms/d/e/1FAIpQLSeyRT3mIoSisZdnO4sbedcGCA-vN215-qf2KLk7HRUDkOzYEg/viewform
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the program.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.
- Last date for Registration: 10/05/2025.
- Intimation to Participants: 11/05/2025.

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. B. Jhansi Vazram
Professor & Head, Dept. of IT.

Coordinator

N.B.S. Vijay Kumar
Assistant Professor, Dept. Of IT

Organizing Committee

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K. Suresh Babu
K. Jaya Prakash
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N.B.S Vijay Kumar
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Schedule

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DEPARTMENTOFINFORMATIONTECHNOLOGY

React JS Concepts

Date	Session	Topics	Sub Topics
12-05-2025	1	Introduction to React	What is React? Features and advantages
	2	Virtual DOM and JSX	Project setup using Create React App / Vite
	3	Components	Creating functional and class components
	4	Props	Passing data using props
13-05-2025	1	State and Lifecycle	Managing local component state
	2	Lifecycle methods	Class vs functional component lifecycle
	3	Introduction to Hooks	useState and useEffect hooks
	4	Rules of hooks	Building a simple counter and timer app
14-05-2025	1	Handling Events	Handling user events (onClick, onChange, onSubmit, etc.)
	2	Forms	Form validation basics
	3	Conditional Rendering and Lists	Conditional rendering using if, &&, ternary
	4	Rendering lists with map()	Using keys effectively in lists
15-05-2025	1	Routing	Introduction to React Router
	2	Routing	Setting up routes, route parameters, and navigation
	3	API Calls	Using Axios or fetch() for API calls
	4	Data Fetching	Using useEffect for data fetching
16-05-2025	1	State Management	Prop drilling problem and context
	2	Introduction to React Context API	Global state vs local state
	3	Introduction to Redux	Basics of unit testing with Jest and React Testing Library
	4	Testing and Debugging	Debugging React apps using React Developer Tools
17-05-2025	1	Creating a Project on React JS	Planning and structuring a React project
	2	Implementing learned concepts	Styling with CSS Modules / Tailwind CSS
	3	Deployment	Building the app for production
	4	Deployment	Deploying on Netlify / Vercel

No.ofParticipants: 78

Coordinator

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Attendance sheet

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET
(AUTONOMOUS)
A One Week Faculty Development Programme on React JS - 12/5/2025 to 17/5/2025
Organized by Department of IT in association with SkillDzire
Registered Participants List

S. No.	Email	Full Name of Participant (To be printed on certificate)	Branch	WhatsApp Contact Number
1	srinivasnrtec@gmail.com	Puttamraju SrinivasaRao	CS,DS, AI & ML	9441537305
2	swarupapatra89@gmail.com	GELLA NAGENDRAM	IT & CSE(AI)	6303753685
3	vijaycse.scet@gmail.com	NBS VIJAY KUMAR	IT & CSE(AI)	9490360460
4	hariprasadmaths@gmail.com	Harischandra prasad . K	IT & CSE(AI)	9849811004
5	nvk20022001@gmail.com	Nukala Vijaya Kumar	CSE	9849652478
6	mohammedjanimtech@gmail.com	mohammedjany shaik	IT & CSE(AI)	8919448598
7	Yaswanthsai225@gmail.com	Modadugu Sai Yaswanth	CS,DS, AI & ML	9030213285
8	vvaslakshmi@gmail.com	Dr V.V.A.S.LAKSHMI	CS,DS, AI & ML	9849122798
9	pneelima888@gmail.com	Polavarapu Neelima	IT & CSE(AI)	8897857438
10	Santhipendemcse777@gmail.com	Santhi Pendem	IT & CSE(AI)	9441174498
11	seetu1215@gmail.com	Nalabothu Siva Rama Krishna	CS,DS, AI & ML	9618547088
12	patchavavijji@gmail.com	P. Vijaya Lakshmi	IT & CSE(AI)	9553406708
13	drrkeluri@gmail.com	Dr.Rama Krishna Eluri	CSE	9533022555
14	bhimanaikramavathu@gmail.com	RAMAVATHU BHIMA NAIK	CSE	9052229229
15	gjmanikanta@nrtec.in	GANJINABOINA JEEVANA MANIKANTA	CS,DS, AI & ML	9160835303
16	padma.m720@gmail.com	Padma Chigulla	CS,DS, AI & ML	9014733796
17	nagigundala@gmail.com	Gundala Nageswara Rao	CS,DS, AI & ML	09299356857
18	ithod@nrtec.in	Dr. JHANSI VAZRAM BOLLA	IT & CSE(AI)	9908888519
19	satyasripothukuchi@gmail.com	P VENKATA SATEESH KUMAR	CS,DS, AI & ML	9515292562
20	rajani.kadiyala@gmail.com	CH RAJANI	CSE	9398201981
21	drsvnsrinivasu@gmail.com	Dr S V N SREENIVASU	CSE	9849866902
22	sireeshak.cse7@gmail.com	Sireesha kambhampati	IT & CSE(AI)	09000226978
23	nandyala.neelima1@gmail.com	Gangireddy Venkata Neelimadhavi	CS,DS, AI & ML	6301506755
24	cseassistantprofessor@gmail.com	Uppala Vijay Kumar	IT & CSE(AI)	9030655562
25	kotimeduri2@gmail.com	MEDURI KOTESWARA RAO	IT & CSE(AI)	6301671070
26	maheshbabu.crazy@gmail.com	Gujjarlamudi Mahesh Babu	CS,DS, AI & ML	9866893886
27	sk.basha579@gmail.com	SHAIK KHAJA MOHIDDIN BASHA	CSE	8096622595
28	dasu.sathuluri11@gmail.com	SATHULURI MARIYA DASU	CS,DS, AI & ML	7893295507
29	Sampath.kumar8106@gmail.com	Madanu Sampath kumar	CSE	8106815040
30	mailformrx@gmail.com	Mahesh Babu Vundavalli	CSE	9154837470
31	sathyamreddym@gmail.com	M SATHYAM REDDY	CSE	9618485861
32	gjm7243@gmail.com	GANJINABOINA JEEVANA MANIKANTA	CS,DS, AI & ML	9160835303
33	dasu.sathuluri11@gmail.com	SATHULURI MARIYA DASU	CS,DS, AI & ML	7893295507
34	satheesme@gmail.com	Dr. R. Satheeskumar	CSE	9841339245
35	Srinivasnrtec@gmail.com	Puttamraju SrinivasaRao	CS,DS, AI & ML	09441537305
36	Yaswanthsai225@gmail.com	MODADUGU SAI YASWANTH	CS,DS, AI & ML	9030213285
37	nagigundala@gmail.com	Gundala Nageswara Rao	CS,DS, AI & ML	9299356857
38	dsr3309@gmail.com	Danda Sreekanth	CS,DS, AI & ML	9491915439
39	nagatirumalarao@gmail.com	Dr.S.Naga Thirumalai Rao	CSE	9885271324
40	sureshmunnangi55@gmail.com	MUNNANGI SURESH	CSE	9704242616
41	medurimounika4@gmail.com	M.Mounika Naga Bhavani	CSE	6309712521
42	sureshkunda546@gmail.com	Dr.K.Suresh Babu	CSE	9052808385
43	syedrizwanaiit@gmail.com	Syed Rizwana	CSE	8106588184
44	tgrnadh@gmail.com	T G Ramnadh Babu	CSE	6301971412

Principal
NARASARAOPETA ENGINEERING COLLEGE
(Autonomous)
Narasaraopet-522 601, Palnadu (Dist.), A.P.

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET
(AUTONOMOUS)
A One Week Faculty Development Programme on React JS - 12/5/2025 to 17/5/2025
Organized by Department of IT in association with SkillDzire
Registered Participants List

S. No.	Email	Full Name of Participant (To be printed on certificate)	Branch	WhatsApp Contact Number
45	profssnr@gmail.com	Dr. S. SIVA NAGESWARARAO	CSE	8977987777
46	venkatmarella670@gmail.com	Marella venkatarao	CSE	98490 64432
47	msuneetha973@gmail.com	M SUNEETHA	CSE	9704088787
48	neelimayaragani@gmail.com	Neelima.Y	CSE	8919464255
49	lavanyamiriyala0505@gmail.com	Miriyala Lavanya	CSE	6281082226
50	mkoti.520@gmail.com	M KOTESWARA RAO	CSE	9573737180
51	karunakumar.valicharla@gmail.com	KARUNA KUMAR VALICHARLA	CSE	9652156546
52	chandana.nrtnec@gmail.com	Yamani Chandana	CSE	9885478224
53	narasimhareddynec03@gmail.com	K.V.Narasimha Reddy	CSE	9177435922
54	moturisireesha@gmail.com	Dr. Sireesha Moturi	CSE	9492468445
55	abburi.ramesh@gmail.com	Ramesh Abburi	CSE	9951517585
56	sathyamreddym@gmail.com	M SATHYAM REDDY	CSE	9618485861
57	sk.basha579@gmail.com	SHAIK KHAJA MOHIDDIN BASHA	CSE	8096622595
58	knag1999@gmail.com	NAGESWARA RAO KUKKAMUDI	CSE	9705672051
59	Sampathkumar.madanu@gmail.com	Madanu Sampath kumar	CSE	8106815040
60	doddavenkatareddy@gmail.com	Dodda Venkatareddy	CSE	09494089211
61	anushaavula80@gmail.com	Anusha Avula	CSE	8247239142
62	akurathigayatri10@gmail.com	PANCHUMARTHI GAYATRI	CSE	9640511197
63	ksomasekhar@nrtec.in	Dr. K. Soma Sekhar	CSE	9885190840
64	tupakulasaranya123@gmail.com	Tupakula.sai saranya	CSE	9390089013
65	Sampathkumar.madanu@gmail.com	Madanu Sampath kumar	CSE	8106815040
66	gujjula.ramanareddy@nrtec.in	RAMANAREDDY GUJJULA	CSE	944055362
67	sunny.dsl@gmail.com	SUNEEL DAIDA	CSE	9966262524
68	aluriramesh4@gmail.com	Mr Aluri Ramesh	CSE	9494901615
69	prasanthikodela@gmail.com	K. Prasanthi	IT & CSE(AI)	6302844676
70	svadhri@yahoo.co.in	Dr.V.Suryanarayana	IT & CSE(AI)	9849787518
71	manucse1850@gmail.com	T.V. Manohar	IT & CSE(AI)	9849142526
72	raviprince1253@gmail.com	M.Ravindra Babu	IT & CSE(AI)	9652245103
73	bonthababurao6@nrtec.in	B. Babu Rao	IT & CSE(AI)	7981921857
74	veerabrahmam265@gmail.com	B. Veera Brahmam	IT & CSE(AI)	8297404026
75	palledeepti35@gmail.com	P. Deepti Sowmya	IT & CSE(AI)	9100967181
76	nazmashaik@nrtec.in	SK.NOOR BASHA NAZMA	IT & CSE(AI)	7893146296
77	rajeswarijala94@gmail.com	D. Rajeswari	IT & CSE(AI)	6309648671
78	anj48980@gmail.com	A.Naga Jyothi	IT & CSE(AI)	9866612370

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522601, Palnadu (Dist.), A.P.

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Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 20th May ,2025.

Program Report

Name of the program : A One Week Faculty Development Program on **" React JS Concepts"**

Date(s) of FDP : 12th May to 17th 2025

Details of the Resource Person(s):

Name	: Y. Surya Narayana,
Designation	: Associate Consultant
Organization	: Skill Dzire
Phone No.	: 9100978157
Mail-id	: suryanarayana67@gmail.com

Details of the Co- Ordinator:

Name	: N.B.S. Vijay Kumar
Designation	: Assistant. Professor in IT Dept.
Organization	: Narasaraopet Engineering College
Phone No.	: 9490360460
Mail-id	: vijaycse.scet@gmail.com

Objective of the Program:

This FDP is specially designed for Engineering College Teachers and UG Students.

The course aims to achieve the following objectives:

- To create awareness among faculty members about React JS and building dynamic interfaces for single-page applications (SPAs); and implementing client-side routing with React Router.
- To use various innovative teaching learning methods to improve student engagement research trends in the field of modern process and learning outcomes.

Topics Covered:

- REACT JS- Introduction, Virtual DOM and JSX Components, Props State and Lifecycle
- Lifecycle methods, Hooks Introduction, Rules, Handling Events, Forms
- Conditional Rendering and Lists, map, Routing, API Calls, Data Fetching, State Management
- React Context API, Redux, Testing and Debugging
- Implementing learned concepts, Deployment

Outcome of the Program:

- Understand the REACT JS: An Overview
- Writing Learning Outcomes
- Mapping Learning Outcomes with Test Items
- Explaining the details of Project setup using Create React App / Vite, Creating functional and class components
- Identifying the process of Class vs functional component lifecycle
- Design and Development of Building a simple counter and timer app Handling user events (on Click, on Change, on Submit, etc.) React Router Setting up routes, route parameters, and navigation Using

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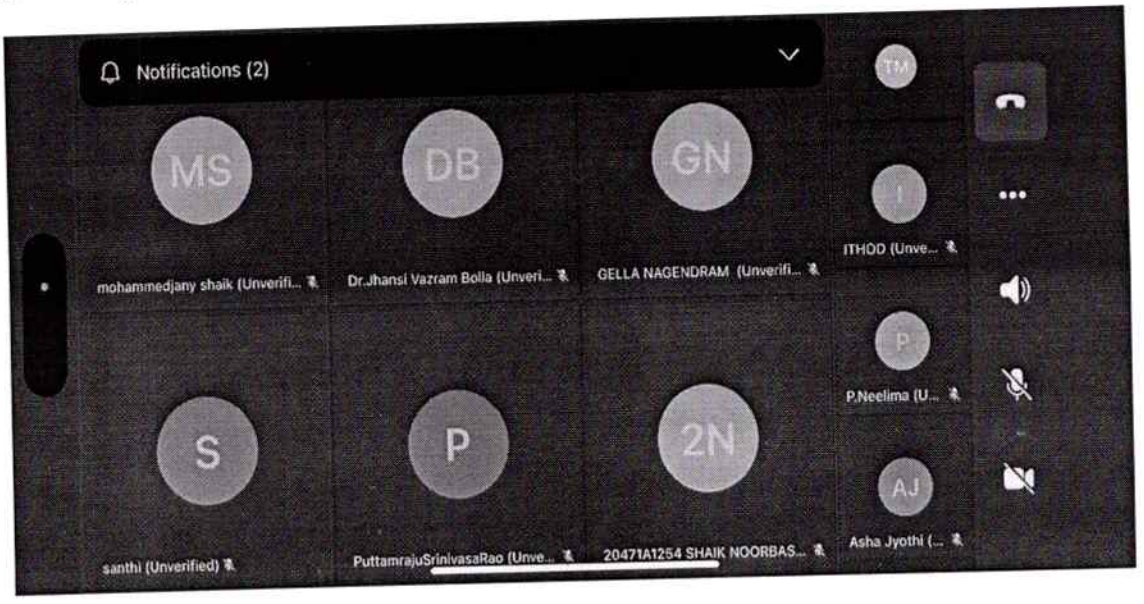
Axios or fetch () for API calls Using useEffect for data fetching

- Understanding the CSS Modules / Tailwind CSS

No.of Participants: 78



Coordinator

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HOD-IT

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Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENTOF INFORMATION TECHNOLOGY

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Four Times Accredited by NBA & NAAC "A+" Grade ISO 9001: 2015 Certified Institution
Phone: 08647-239912 e-mail: ithod@nrtec.in visit us at : www.nrtec.in

Press Note

ఎన్. ఈ. సి లో "రీయాక్ట్ జేఎస్" పై ఇంజనీరింగ్ అధ్యా పకులకు 07 రోజుల శిక్షణ తరగతులు ప్రారంభం స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో ఇన్ఫర్మేషన్ టెక్నాలజీ విభాగ ఆధ్వర్యంలో ఇంజనీరింగ్ అధ్యా పకులకు "రీయాక్ట్ జేఎస్ "పై 07 రోజులు శిక్షణా తరగతులు ప్రారంభించినట్లు కళాశాల వైస్ చైర్మ న్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

శిక్షణ తరగతులు ప్రారంభ కార్యక్రమములో ముఖ్య అతిథులుగా ధీరజ్ కోగంటి, కార్పొరేట్ ట్రైనర్ శిక్షకులుగా వ్యవహరించి అధ్యాపకులకు "రీయాక్ట్ జేఎస్" కి సంబంధించిన ఇంట్రడక్షన్ టూ వర్చువల్ డి.ఓ.ఎమ్ & JSX వంటి మొదలగు అంశాలు గురించి వివరించారు.

ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్ డాక్టర్ .స్ .వెంకటేశ్వరులు గారు మాట్లాడుతూ అధ్యా పకులను ఉద్దేశించి ప్రస్తుత సాఫ్ట్వే ర్ ఇంజనీరింగ్ లో "రీయాక్ట్ జేఎస్ " ద్వా రా చాలా ఉద్యో గ అవకాశములు విద్యా ర్థులకు అందించుటకు అధ్యా పకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు కల్పించారని ,అధ్యా పకులకు 07 రోజులు శ్రద్ధగా శిక్షణ తీసుకుని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

ఇన్ఫర్మేషన్ టెక్నాలజీ విభాగ అధిపతి డాక్టర్ బొల్ల జాన్సి వజ్రం గారు మాట్లాడుతూ ,ఈ 07 రోజుల శిక్షణ యందు "రీయాక్ట్ జేఎస్ "ఇంప్లీమెంటింగ్ API కాల్స్, లైఫ్ సైకిల్ మెథడ్స్ మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు, మరియు ఈ తరగతులకు ఆంధ్ర మరియు తెలంగాణ రాష్ట్రాల నుండి 78 మంది ఇంజనీరింగ్ అధ్యా పకులు పాల్గొన్నా రు అని తెలిపారు.

ఈ కార్య క్రమంలో కళాశాల చైర్మ న్ మిట్టపల్లి కోటేశ్వ రావు గారు కళాశాలలోని ప్రతి ఒక్క అధ్యా పకులు సంవత్స రంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వా లని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భంగా గుర్తు చేశారు.
కళాశాల సెక్రటరీ మెట్ప ల్లి రమేష్ గారు మాట్లాడుతూ, ఈ శిక్షణ తరగతులను నిర్వ హిస్తున్న ఇన్ఫర్మేషన్ టెక్నాలజీ అల్లైడ్ విభాగాలను అభినందించారు.

ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు అధ్యా పకులు పాల్గొన్నా రు.

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Principal
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(AUTONOMOUS)
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ప్రభాత సూర్య
తెలుగు జాతీయ దిన పత్రిక

నరసరావుపేట ఇంజనీరింగ్ కళాశాల, నందు ఘనంగా జరిగిన వర్క్ షాప్

నరసరావుపేట టౌన్: స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో" REACT JS" మీద ఇన్సర్మేషన్ టెక్నాలజీ విభాగం ఆధ్వర్యంలో ఒక వారం రోజుల వర్క్ షాప్ ఘనంగా నిర్వహించబడింది. ఈ వర్క్ షాప్ కు వివిధ రిసోర్స్ పర్సన్ హాజరై పూర్తి స్టాక్ అభివృద్ధి మీద ఇంజనీరింగ్ ఉపాధ్యాయులులకు క్షుణ్ణంగా వివరించారు.. ఈ సందర్భంగా విభాగ అధిపతి Dr.B. ఝాన్సీ వజ్రం మరియు కళాశాల చైర్మన్ మిట్టపల్లి కోటేశ్వరరావు గారు, ప్రిన్సిపాల్ డాక్టర్ ఎస్. వెంకటేశ్వర్లు హాజరై అధ్యాపకులు సూచనలు చేసారు.. ఈ కార్యక్రమంలో వివిధ విభాగాలు అధిపతిలు ఉపాధ్యాయులు తదితర సిబ్బంది పాల్గొన్నారు.

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

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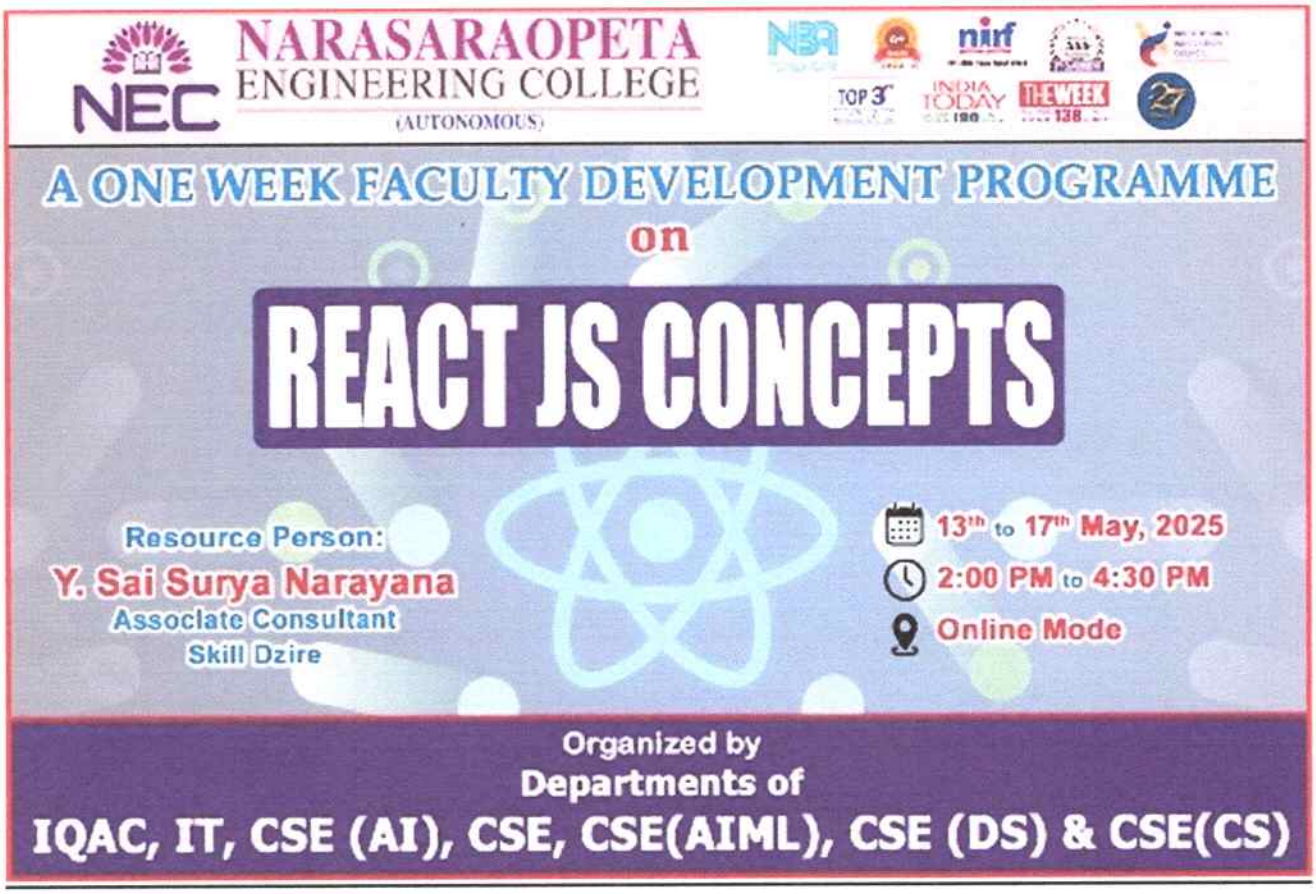
Photos

FDP: A Six Days Virtual Faculty Development Program on React JS



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Screen Shots of Virtual FDP

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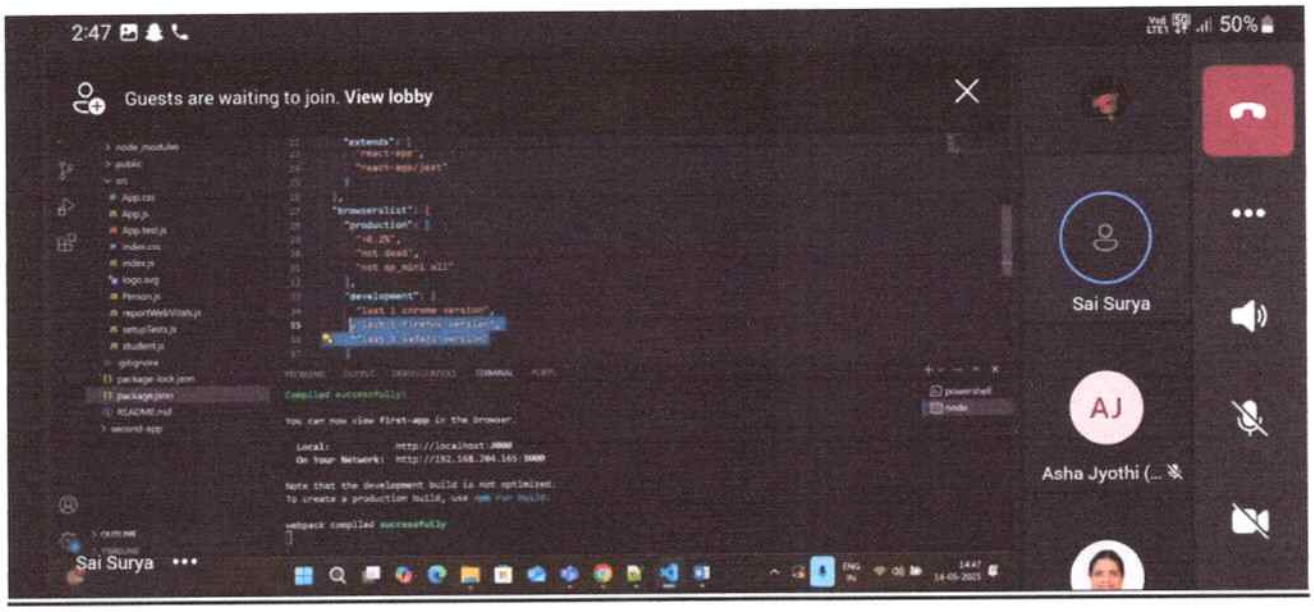

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NARASARAOPET-522601, Palnadu (Dist.), A.P.

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Sample Certificates

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Harischandra Prasad . K

Designation: Asst.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE.**

Duration: 12/05/2025 to 17/05/2025

IQAC

Certificate ID: **FDP-1059**

Issued On: **17-05-2025**

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

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Dr. Jhansi Vazram Bolla

Designation: Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE**.

Duration: 12/05/2025 to 17/05/2025

QAC

Certificate ID: **FDP-1073**

Issued On: **17-05-2025**

AICTE

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

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NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Mohammedjany Shaik

Designation: Assoc.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

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Duration: 12/05/2025 to 17/05/2025

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

IQAC

Certificate ID: **FDP-1061**

Issued On: **17-05-2025**

AICTE

Authorized Signature

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NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

T.V. Manohar

Designation: Asst.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE.**

Duration: 12/05/2025 to 17/05/2025

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

Certificate ID: **FDP-1121**

Issued On: **17-05-2025**

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Uppala Vijay Kumar

Designation: Asst.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE.**

Duration: 12/05/2025 to 17/05/2025

IQAC

Certificate ID: **FDP-1079**

Issued On: **17-05-2025**

AICTE

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

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Santhi Pendem

Designation: Asst.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE.**

Duration: 12/05/2025 to 17/05/2025

IQAC

Certificate ID: **FDP-1065**

Issued On: **17-05-2025**

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET-522601, Palnadu (Dist.) A.P.

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SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Polavarapu Neelima

Designation: Asst.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE.**

Duration: 12/05/2025 to 17/05/2025

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

Certificate ID: **FDP-1064**

Issued On: **17-05-2025**

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

P. Vijaya Lakshmi

Designation: Asst.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE.**

Duration: 12/05/2025 to 17/05/2025

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

IQAC

Certificate ID: **FDP-1067**

Issued On: **17-05-2025**

AICTE

Authorized Signature

SkillDzire

NEC

FACULTY DEVELOPMENT PROGRAM

This is to Certify that Dr./Mr./Ms

Sireesha Kambhampati

Designation: Asst.Professor

Institution: Narasaraopeta Engineering College

has Successfully Completed the online FDP on

ReactJS Concepts

Organized By **SkillDzire** in collaboration with **AICTE.**

Duration: 12/05/2025 to 17/05/2025

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Certificate ID: **FDP-1077**

Issued On: **17-05-2025**

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NEC NARASARAOPETA ENGINEERING COLLEGE
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Outcome based Education

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

(Approved by AICTE, Affiliated to JNTUK, Kakinada, Accredited by NAAC, RTA Approved Pollution test Centre, ISO 9001: 2008 Certified Institution)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur district, Andhra Pradesh

Phone No. : 08647-239904, Fax No. : 08647-239902

E-mail: principal@nrtec.in Website: http://www.nrtec.in

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Date: 04-05-2025

CIRCULAR

All the Teaching staff members are here by informed that IQAC & Department of Computer Science and Engineering is going to organize a one week Faculty Development Program on Outcome Based Education from 09th to 15th May 2025, All the registered Teaching staff are requested to attend the FDP without fail.

Venue : Seminar Hall(2104),Block-2, Narasaraopeta Engineering College.

Coordinator : Shaik Rafi,
Assistant Professor, Dept. of CSE.

IQAC HOD PRINCIPAL

Copy to:

1. Chairman for Favour of Information
2. Principal
3. AO for Necessary arrangements
4. Department Notice Boards
5. Circulation to all Staff Members
6. All HOD's

Principal
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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Brochure

Course Content:

Identify clearly defined **learning outcomes** that guide teaching, learning, and assessment processes.

- Align **course outcomes (COs)** with program outcomes (POs) to ensure structured and measurable learning.
- Implement **direct and indirect assessment methods** to evaluate student performance effectively.
- Use **CO–PO mapping and attainment analysis** to continuously improve curriculum, teaching methods, and student learning.

Resource Persons:

Mr.Rajiv senapathi,
AssistantProfessor, SRM University.

IMPORTANT DATES:

- **Last date for Registration: 07/05/2025**
- **Intimation to Participants: 08/05/2025**

Any Information Contact:
Shaik Rafi,Asst professor,Coordinator,
Mobile: +9052808385,
Email:shaikrafi@nrtec.in

IQAC

ABOUT THE COLLEGE

The Narasaraopet Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence (COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps; 50 Cloud Apps and 100 Windows Apps are uploaded every year.In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

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

A One Week
Faculty Development Program

On
Outcome Bsaed Education.

09th – 15th May,2025

In Association with

SRM UNIVRSITY

Organized

By

Department of
Computer Science and Engineerng

NEC
NARASARAOPETA
ENGINEERING COLLEGE

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

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998 with an intake of 60 later it started M.Tech in PG Level with an intake of 18. Now the intake of the CSE is 240 in UG and M.Tech is 36 in PG, the department has thrice accredited by NBA, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The sincere efforts and dedication of our faculty and keen interest exhibited by our students have produced not only a commendable academic record and also remarkable achievements in co-curricular and extracurricular activities. The laboratory infrastructure is excellent with state of the art equipment and software. The department faculty encourages the students to implement innovative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 40 research publication papers in different thrust areas like AR&VR, AI, ML, DL, cyber securities etc. in every year. Seven Ph.Ds. are awarded under our department.

IQAC

OBJECTIVE OF FDP

The main objective of Outcome Based Education (OBE) is to ensure that students develop the essential knowledge, skills, attitudes, and competencies required for their professional careers and real-world applications. OBE focuses on clearly defined learning outcomes and designs the entire teaching–learning and assessment process to achieve those outcomes. . It aims to improve the quality of education by making learning student-centric, measurable, and continuously improvable

Registration:

- The faculty members of the AICTE Approved institutions, PG & Research scholars from Government, Industry can participate in this FDP.
- Number of participants is limited to 200
- To register, please visit: https://forms.gle/6iwA5Ni3kc7z6W9J9
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

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

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

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. S.Venkateswarulu,
M.Tech., PhD ,Principal.

Convener

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

Coordinator

Dr.Shaik Rafi
Asst Professor, CSE Dept

ORGANIZING COMMITEE

Dr. S.Siva Nageswara Rao

Dr K.S.M.V. Kumar

Dr.M.Sireesha

Dr.k.suresh Babu

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Schedule

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

ORGANIZING BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Outcome Based Education(OBE)-FDP

COURSE SCHEDULE

Date/Time	DATES:09-05-2025 TO 15-05-2025		
DAY-1 09-05-2025	**Introduction to OBE** • What is OBE? • Need for OBE • OBE framework (Vision, Mission, PEO, PO, PSO, CO) • Advantages of OBE in education	**OBE Principles** • Learner-centric approach • Outcome mapping • OBE cycle (Define–Teach–Assess–Improve)	**OBE Documentation** • Preparing Vision & Mission • Writing PEOs & POs • Framing correct CO statements
DAY-2 10-05-2025	**CO–PO Mapping** • What is mapping? • Levels (L1, L2, L3) • Mapping examples	**Assessment Methods** • Direct assessment • Indirect assessment • Weightage allocation	**CO Attainment Calculation** • Direct + Indirect attainment • Sample calculations • Target setting
DAY-3 12-05-2025	**OBE Tools & Rubrics** • Rubrics creation • Evaluation parameters • CO-based question paper setting	**OBE in Teaching–Learning** • Constructive alignment • Outcome-based instruction methods	**OBE Records & Templates** • CO-PO matrix • Course file structure • Lesson plan formats
DAY-4 13-05-2025	**Program Assessment** • PO attainment • PSO attainment • Calculation with examples	**Continuous Quality Improvement (CQI)** • CQI cycle • Using attainment results for improvement	**Accreditation Requirements** • OBE role in NBA/NAAC • Evidence preparation
DAY-5 14-05-2025	• Identify clearly defined learning outcomes that guide teaching, learning, and assessment processes.	•Align course outcomes (COs) with program outcomes (POs) to ensure structured and measurable learning.	•Use CO–PO mapping and attainment analysis to continuously improve curriculum, teaching methods, and student learning
DAY-6 15-05-2025	**OBE Automation Tools** • Software platforms • OBE data management	**Case Studies of Successful OBE Implementation** • Department-level examples	**Workshop / Hands-On** • Creating COs • Mapping CO–PO • Attainment worksheets

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Attendance sheet

NARASARAOPET ENGINEERING COLLEGE : : NARASARAOPET (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

FACULTY LIST ATTEND FDP (OUTCOME BASED EDUCATION)

S. No.	Name	09-05-2025	10-05-2025	11-05-2025	13-05-2025	14-05-2025	15-05-2025
1	Dr.S.N.Tirumala Rao						
2	Dr. S.V.N. Sreenivasu						
3	Dr. S.Siva Nageswara Rao						
4	V. Mahesh Babu						
5	Dr. O. Sambasiva Rao						
6	Dr. V. V. A. S. Lakshmi						
7	Dr G.Dilip Kumar						
8	Dr. B. Jayachandran						
9	Dr. G. Vijaya Kumar						
10	Dr. SK. Chand Basha						
11	Dr.S.Ganesh Babu						
12	Dr. M. Sireesha						
13	N. Vijay Kumar						
14	Dr. G. Siva Raman						
15	Dr. S. Venkatesan						
16	Dr. Vasantha Swaminathan						
17	Dr. R Ramnath						
18	Dr. T. Muni Sankar						
19	Dr.B.Srikanth						
20	Dr.Ch.Venkata Ratnam						
21	Dr.G.Prasanth						
22	Dr.P.Marimuthu.						
23	Dr.S.Janakiramudu						
24	Dr.Y.Lelakrishna						
25	Dr. A. Mahendar						
26	Dr. E. Rama Krishna						
27	Dr. M. Malyadri						
28	Dr. K. Ashok						
29	Dr. T. Nedunchezhian						
30	Sd. Rizwana						
31	Sk. Subhani						
32	P. Swathi						

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S. No.	Name	09-05-2025	10-05-2025	11-05-2025	13-05-2025	14-05-2025	15-05-2025
33	SK. Gousya Pyari						
34	Sk. Khaja Mohiddin Basha						
35	K. Rambabu						
36	M. Satyam Reddy						
37	Sk. Rafi						
38	K V.Narasimha Reddy						
39	Y. Chandana						
40	G. Srinadh						
41	BELLAMKONDA SIVAPRASAD						
42	R. Sowjanya						
43	D.V. Padmavathi						
44	Abburi Ramesh						
45	B. Dileep Kumar						
46	M. Koteswara Rao						
47	P. Sireesha						
48	P. Solman						
49	M. SYAMKUMAR						
50	SANKURI Deva Raju						
51	B. Sathish Kumar						
52	S. Chaitanya Bharathi						
53	P RAMADEVI						
54	D. Venkata Reddy						
55	G. Saranya						
56	M. Venkata Rao						
57	Ch. Rajani						
58	M. Suneetha						
59	M. Suresh						
60	T. G. Ramnadh Babu						

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Program Report

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

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

Date: 17th May ,2025.

Program Report

Name of the program : Faculty Development Program on Outcomecome Based Education(OBE)

Date(s) of FDP : 09th - 15th May ,2025.

Details of the Co- Ordinator:

Name	: Shaik Rafi.
Designation	: AssistantProfessor, Dept. of CSE.
Organization	: Narasaraopeta Engineering College.
Phone No.	: 9885271324
Mail-id	: Rafi @nrtec.in

Details of the Resource Person(s):

Name(s)	: Mr.Rajiv senapathi, Hemanth Kumar
Designation	: AssistantProfessor.
Organization	:SRM University.
Phone No.	: 9177073858
Mail-id	: Hemanth@srmu

Objective of the Program :

The main objective of Outcome Based Education (OBE) is to ensure that students develop the essential knowledge, skills, attitudes, and competencies required for their professional careers and real-world applications. OBE focuses on clearly defined learning outcomes and designs the entire teaching–learning and assessment process to achieve those outcomes. It aims to improve the quality of education by making learning student-centric, measurable, and continuously improvable. OBE focuses on student-centric learning, aligning teaching methods, assessments, and curriculum design to produce graduates who are capable, confident, and industry-ready, is to ensure that every student achieves clearly defined learning outcomes by the end of the course. It emphasizes what students should know, understand, and be able to do after completing the program, ensures that students achieve clearly defined and measurable learning outcomes by the end of a course or program.

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Topics Covered

1. Vision

The long-term goal of the institution.

2. Mission

Actions taken to achieve the vision.

3. PEOs – Program Educational Objectives

What graduates should achieve **3–5 years after completing the program**.
Examples:

- Get employment in industry
- Pursue higher studies
- Become entrepreneurs

4. POs – Program Outcomes

Skills and abilities students should have **at the time of graduation** (NBA defines 12 outcomes).
Examples:

- Engineering knowledge
- Problem analysis
- Modern tool usage
- Ethics
- Communication skills

5. PSOs – Program Specific Outcomes

Outcomes **specific to a department or specialization**.
Examples for CSE:

- Ability to design software
- Ability to use databases and networks

6. COs – Course Outcomes

What a student will learn after completing **each course or subject**.
Each subject has 4–6 COs.
Example:

- Understand SQL queries
- Apply sorting and searching algorithms

7. Mapping (CO–PO Mapping)

Shows how each **Course Outcome (CO)** contributes to **Program Outcomes (PO)**.
Levels:

- L1 – Low
- L2 – Medium
- L3 – High

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8. Direct Assessment

Measured through:

- Mid exams
- Assignments
- End exams
- Lab work

9. Indirect Assessment

Measured through:

- Student feedback
- Alumni feedback
- Employer feedback

10. Attainment

How much of the CO/PO/PSO has been achieved.
Calculated using both **direct + indirect assessment**.

11. Continuous Quality Improvement (CQI)

OBE aims to continuously improve teaching, learning, and evaluation based on attainment results.

. **Outcome of the program**

After completion of this program, the faculty are able to

• Identify clearly defined **learning outcomes** that guide teaching, learning, and assessment processes.
• Align **course outcomes (COs)** with program outcomes (POs) to ensure structured and measurable learning.
• Implement **direct and indirect assessment methods** to evaluate student performance effectively.
• Use **CO–PO mapping and attainment analysis** to continuously improve curriculum, teaching methods, and student learning.

No. of Participants : 60

Coordinator

Shaik Rafi.

IQAC

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

HoD-CSE

Dr.S. N. Tirumala Rao.

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Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Four Times Accredited by NBA & NAAC "A+" Grade ISO 9001: 2015 Certified Institution
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Press Note

ఎన్. ఈ. సి లో "**అవుట్కం బేస్డ్ ఎడ్యుకేషన్**" పై

ఇంజనీరింగ్ అధ్యా పకులకు 07 రోజుల శిక్షణ తరగతి ప్రారంభం

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో కంప్యూ టర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ ఆధ్వ ర్యంలో ఇంజనీరింగ్ అధ్యా పకులకు "**అవుట్కం బేస్డ్ ఎడ్యుకేషన్**"పై 07 రోజుల శిక్షణా తరగ తి ప్రారంభించినట్లు కళాశాల వైస్ చైర్మ న్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

శిక్షణ తరగతి ప్రారంభ కార్యక్రమములో ముఖ్య అతిథులుగా, రాజీవ్ సేనాపతి మరియు హేమంత్ కుమార్ అసిస్టెంట్ ప్రొఫెస్సార్స్, ఎస్ ఆర్ ఎం యూనివర్సిటీ శిక్షకులుగా వ్యవహరించి అధ్యాపకులకు "**అవుట్కం బేస్డ్_ఎడ్యుకేషన్** " కి సంబంధించిన ఓబీఈ యొక్క ప్రధాన లక్ష్యాలు ,_అవుట్కం రకాలు, సీఓ పిఓ మాపింగ్,సీఓ పిఓ అస్సెస్మెంట్ వంటి మొదలగు అంశాలు గురించి వివరించారు.

ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్ డాక్టర్ .స్ .వెంకటేశ్వరులు గారు మాట్లాడుతూ అధ్యా పకులను ఉద్దేశించి ప్రస్తుత సాఫ్ట్వే ర్ ఇంజనీరింగ్ లో "**అవుట్కం బేస్డ్ ఎడ్యుకేషన్**" ద్వారా విద్యార్థిని స్వయంగా నేర్చుకునే వ్యక్తిగా తయారు చేయడం, విద్యార్థులకు ఆఖరులో విద్యార్థి ఏం చేయగలడు? అనే దానిపై దృష్టి పెట్టడం అధ్యాపకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు,అధ్యాపకేతర సిబ్బంది కి కల్పించారని ,అధ్యా పకులకు 07 రోజుల శ్రద్ధగా శిక్షణ తీసుకుని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ అధిపతి డాక్టర్ ఎస్. ఎన్ తిరుమల రావు గారు మాట్లాడుతూ ,ఈ 07 రోజుల శిక్షణ యందు "**అవుట్కం బేస్డ్ ఎడ్యుకేషన్** "లో, పిఈ ఓ-ప్రోగ్రాం ఎడ్యుకేషనల్ ఆబ్జెక్టివ్స్, పిస్ఓ-ప్రోగ్రాం స్పెసిఫిక్ ఆబ్జెక్టివ్స్, ఓబీఈ ప్రయోజనాలు మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు,

మరియు ఈ తరగతులకు ఆంధ్ర మరియు తెలంగాణ రాష్ట్రాల నుండి 23 మంది ఇంజనీరింగ్ అధ్యా పకులు పాల్గొన్నా రు అని తెలిపారు.

ఈ కార్య క్రమంలో కళాశాల చైర్మ న్ మిట్టపల్లి కోటేశ్వ రావు గారు కళాశాలలోని ప్రతి ఒక్క అధ్యా పకులు సంవత్స రంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వా లని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భంగా గుర్తు చేశారు.

కళాశాల సెక్రటరీ మెట్ప ల్లి రమేష్ గారు మాట్లాడుతూ, ఈ శిక్షణ తరగతులను నిర్వ హిస్తున్న కంప్యూ టర్ సైన్స్ అండ్ ఇంజనీరింగ్ అల్లైడ్ విభాగాలను అభినందించారు.

ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు అధ్యా పకులు పాల్గొన్నా రు.

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET-522601 (D)

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Photos

GLIMPSE of FDP-OBE , Resource Person Delivering OBE Concepts

IQAC

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Sample Certificates

SRM UNIVERSITY AP
Andhra Pradesh

Certificate of Participation

This certificate is presented to

Dr. S.V.N. Srinivasu

Professor from the Department of

Computer science and Engineering

for participating in the **Outcome-Based Education (OBE)** Training Programme at Narasaraopeta Engineering College, jointly organised by the Directorate of Admissions and Teaching Learning Center, SRM University AP , Amaravati (Outreach Activity) During May 9th - 15th, 2025.

IQAC

TEACHING LEARNING CENTER AMPLIFYING LEARNING IMPACT

Dr S Mannathan
Associate Director - TLC

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

SRM UNIVERSITY AP
Andhra Pradesh

Certificate of Participation

This certificate is presented to

Syed. Rizwana

Assistant Professor from the Department of

Computer science and Engineering

for participating in the **Outcome-Based Education (OBE)** Training Programme at Narasaraopeta Engineering College, jointly organised by the Directorate of Admissions and Teaching Learning Center, SRM University AP , Amaravati (Outreach Activity) During May 9th - 15th, 2025.

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Associate Director - TLC

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

SRM UNIVERSITY AP
Andhra Pradesh

Certificate of Participation

This certificate is presented to

Sk. Rafi

Assistant Professor from the Department of

Computer science and Engineering

for participating in the **Outcome-Based Education (OBE)** Training Programme at Narasaraopeta Engineering College, jointly organised by the Directorate of Admissions and Teaching Learning Center, SRM University AP , Amaravati (Outreach Activity) During May 9th - 15th, 2025.

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S. M

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Associate Director - TLC

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

SRM UNIVERSITY AP
Andhra Pradesh

Certificate of Participation

This certificate is presented to

G. Saranya

Assistant Professor from the Department of

Computer science and Engineering

for participating in the **Outcome-Based Education (OBE)** Training Programme at Narasaraopeta Engineering College, jointly organised by the Directorate of Admissions and Teaching Learning Center, SRM University AP , Amaravati (Outreach Activity) During May 9th - 15th, 2025.

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

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Andhra Pradesh

Certificate of Participation

This certificate is presented to

Y. Chandana

Assistant Professor from the Department of

Computer science and Engineering

for participating in the **Outcome-Based Education (OBE)** Training Programme at Narasaraopeta Engineering College, jointly organised by the Directorate of Admissions and Teaching Learning Center, SRM University AP , Amaravati (Outreach Activity) During May 9th - 15th, 2025.

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Associate Director - TLC

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

SRM UNIVERSITY AP
Andhra Pradesh

Certificate of Participation

This certificate is presented to

K.V. Narasimha Reddy

Assistant Professor from the Department of

Computer science and Engineering

for participating in the **Outcome-Based Education (OBE)** Training Programme at Narasaraopeta Engineering College, jointly organised by the Directorate of Admissions and Teaching Learning Center, SRM University AP , Amaravati (Outreach Activity) During May 9th - 15th, 2025.

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Associate Director - TLC

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Autodesk AutoCAD

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Circular

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Department of Mechanical Engineering

Date: 02-05-2024

Circular

IQAC & Department of Mechanical Engineering is organizing A one Week Faculty Development Program on "Autodesk AutoCad" in association with ICT Academy Hyderabad from 05-05-20245 to 09-05-2025 for Faculty. Request all the faculty members are to attend.

Program Convenor:

Dr. B. Venkata Siva (mechhod@nrtec.in, 9692464540)

Dr. M. Venkannababu (venkannababu.mendi@gmail.com, 9985808908)

IQAC HOD-ME PRINCIPAL

Copy to

1. Chairman for Favour of information
2. Principal
3. IQAC
4. AO for making necessary arrangement
5. Department Notice Boards
6. Circulation to all Staff Members
7. All HOD's

IQAC

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

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Brochure

Course Content:

- Introduction to AutoCAD
- Basic Drawing Tools
- Modifying Tools
- Drawing Organization and Layers
- Object Properties and Selection
- Blocks and Groups
- Annotation and Dimensions
- Layouts and Printing
- Advanced Drawing Tools (Optional/Intermediate)
- Customization and Shortcuts
- Templates and Standards
- Optional Modules (Advanced or Industry-Specific)

For Any Queries Contact:

Dr. M. Venkanna Babu, Coordinator.

Mobile No: 9985808908

IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and ECE, CSE and ME departments were Accredited by NBA under Tier 1. NEC accorded 'AUTONOMOUS' status since 2016 and valid upto 2032.

NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2024, 201-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 3 rd Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2024. INDIA TODAY Ranked NEC as 183 among Private Engineering Colleges in India for the year 2023. THE WEEK Magazine also ranked NEC as 14 among Private Engineering Colleges in AP for the year 2023. Careers 360 ranked NEC with AAA+ Grade for the year 2024. The college has approved research centres by JNTUK, Kakinada in CSE, ECE and Mechanical Engineering Depts. The college has launched Incubation Centre where the students can implement their ideas. NEC got approved for "NIDHI Technology Business Incubator" by Dept of Science & Technology, New Delhi. NEC received grant for establishment of IP facilitation centre (IPFC) in association with the Ministry of MSME, Govt. of India. The college has signed 70+ MoUs with reputed industries and International & National organizations like IES and the Swiss innovation powerhouse, Factor-Y (for innovation and entrepreneurial support), Red Hat Academy, Efftronics Systems Pvt. Ltd, Byte XL , New Mexico State University (NMSU), New Mexico, USA, TiE Hyderabad, Edu Skills etc. NEC is recipient of IBM Watsonx Generative AI Faculty Award of worth $10,000 USD. Our institute has academic partnership with WIPRO through their ELITE program, TalentNext. Also empanelled with BOSCH as training partner under "BRIDGE" Programme. The college offers Eight M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches EEE, CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME andCIVIL.

The college has well equipped laboratories and computers. The college has well experienced and dedicated faculty out of which 72 faculty hold Doctorate Degrees while 78+ patents and 416+ Publications (over last five years), 36 Books were onto the credit of faculty. The college has AP CM's Excellence centre. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC, Germany. Dassault Systems Lab is established to provide access to the students on most advanced courses by industry giants. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport.

A ONE WEEK

Faculty Development Program

on

"AUTODESK AUTOCAD"

During

05th – 09th May- 2025

In association with

ICT ACADEMY

Organized by

IQAC & Department of Mechanical Engineering

NEC NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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

(Sponsored by Gayatri Educational Development Society), Narasaraopet.

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

Accredited by NBA (Tier 1) - CSE, ECE, ME & NAAC "A+" Grade.

Code: 47, NIRF: 2022 (251-300 Band) & ISO 9001: 2015 Certified Institution.

Phone : 08647-239923

E-Mail : mechhod@nrtec.in

Website : www.nrtec.in

: https://www.facebook.com/nrtenggcollege

: https://www.instagram.com/nrtec/

:https://www.linkedin.com/company/narasaraopeta-engineering-college/

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

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited **thrice by NBA**. The department is accredited by **NBA under Tier 2 in 2009 & 2013 and under Tier 1 in 2023**.

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 wellequipped with modern laboratories like Dassault systems and ARC laboratory. Department has equipment beyond curriculum like stir casting machine, Ultimaker S5 Pro Bundle 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. Our department has four professional student chapters i.e. ISTE, ASME, IE(I) and SAME. The department has Mechanical Engineering Student Association (MESA).

IQAC

OBJECTIVES OF THE FDP

- Understand the AutoCAD interface and workspace
- Master basic drawing and editing commands
- Organize drawings using layers and properties
- Apply precision drawing techniques
- Create and use blocks and groups
- Add annotations and dimensions
- Prepare drawings for printing and presentation
- Understand and implement drawing standards
- Gain familiarity with advanced features (optional)
- Develop problem-solving skills related to CAD design.

RESORUCE PERSON DETAILS:

Mr. Kumar Mayank Priyadarshi

Technical Trainer-ICT Academy.

Guidelines:

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

Registration:

- UG/PG students in Engineering and Applied Sciences.
- Any Faculty in thrust of knowledge.
- Participants are restricted to 50 and will be selected on first come first serve basis.
- Registration link:

https://tinyurl.com/NEC-ME-FDP-AUTODESK AUTOCAD

No Registration Fee

Chief Patron

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

Patrons

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

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

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

Convener

Dr. B. Venkata Siva
Professor, HOD, Dept. of Mechanical Engineering

Coordinators

Dr. P. Suresh Babu
Associate Professor, Dept. of Mechanical Engineering

Dr. M Venkannababu
Associate Professor, Dept. of Mechanical Engineering

ORGANIZING COMMITTEE

Dr. M.Rama Kotaiah	Mrs.P.Sravani
Mr. M. Venkaiah	Mrs. D.Raghavendra
Mr. P.Srinivasa Rao	Mr. D.Ratna Babu
Mr. Ch.Sekhar	Mr. U.Nagaraju
Mr. K.Kiran Chand	Mr. T.Ashok Kumar
Mr. K.John Babu	Mr. A.Anka Rao
Mr. A.Pavan Kumar	Mr. M.Mothilal Naik
Mr. P.Kiran Kumar	Mr. V.Swamulu

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Schedule

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A ONE WEEK Faculty Development Program on

"AUTODESK AUTOCAD"

During: 05th – 09th May- 2025

In association with: ICT Academy

Organized by: IQAC & Department of Mechanical Engineering

SCHEDULE

Date	10:00AM to 12:30PM	BREAK	1:30PM to 4:00PM
05-05-2025	❖ Introduction to AutoCAD	LUNCH	❖ Basic Drawing Tools
06-05-2025	❖ Modifying Tools ❖ Drawing Organization and Layers		❖ Object Properties and Selection ❖ Blocks and Groups
07-05-2025	❖ Annotation and Dimensions		❖ Layouts and Printing
08-05-2025	❖ Advanced Drawing Tools (Optional/Intermediate)		❖ Customization and Shortcuts
09-05-2025	❖ Templates and Standards		❖ Optional Modules (Advanced or Industry-Specific) ❖ Valediction

Coordinator

IQAC

HOD-ME

Principal

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

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Attendance sheet

NARASARAOPE[illegible]A ENGINEERING COLLEGE (AUTONOMOUS): NARASARAOPET

DEPARTMENT OF MECHANICAL ENGINEERING

A ONE WEEK FDP ON AUTO DESK AUTOCAD

Organized by- ICT ACADEMY

Attendance Sheet

S.No	Faculty Id	Name	Designation	College Name	Session	05-05-2025	06-05-2025	07-05-2025	08-05-2025	09-05-2025
1	118395	Dr G. Nagamalleswara Rao	Professor	Eswar College of Engineering, Narasaraopet	FN					
					AN					
2	118394	Shaik Chand Mabhu Subhani	Assistant Professor& HOD	Eswar College of Engineering, Narasaraopet	FN					
					AN					
3	118454	Balajinaiak Mudavath	Assistant Professor	JNTUK University College of Engineering Narasaraopet	FN					
					AN					
4	118455	Dr.G.Sulochana	Assistant Professor	JNTUK University College of Engineering Narasaraopet	FN					
					AN					
5	118230	Dr Y Pratapa Reddy	Associate Professor	KKR & KSR Institute of Technology and Sciences, Guntur	FN					
					AN					
6	118231	Mr V Srikumar	Associate Professor	KKR & KSR Institute of Technology and Sciences, Guntur	FN					
					AN					
7	118377	Dr. Siva Sankara Babu Chinka	Associate Professor	Lakireddy Bali Reddy College of Engineering	FN					
					AN					
8	118376	Kothari Venkata Viswanadh	Assistant Professor	Lakireddy Bali Reddy College of Engineering	FN					
					AN					
9	117970	Arigela pavan kumar	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
10	117968	D Raghavendra	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					

IQAC

Professor & Head
Department of Mechanical Engineering
NARASARAOPET - 522601

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522601 Palnadu (Dist), A.P.

Principal
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11	117965	Dondapati Ratnababu	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
12	117974	Dr B Venkat Siva	Professor & HOD	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
13	117976	Dr D. Suneel	Professor & Vice Principal	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
14	117898	Dr Venkannababu Mendi	Associate Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
15	117966	Dr. Penugonda Suresh Babu	Associate Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
16	117975	K John Babu	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
17	117967	Kiran Chand Kopila	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
18	117963	Meghavathu Mothilal Naik	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
19	117972	Pathuri Srinivasarao	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
20	117973	Pilli Sravani	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
21	117971	Sekhar Chinthamreddy	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
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NARASARAOPETA ENGINEERING COLLEGE
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S.No	Faculty Id	Name	Designation	College Name	Session	05-05-2025	06-05-2025	07-05-2025	08-05-2025	09-05-2025
22	117969	Thella Ashok Kumar	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
23	117964	Venkaiah Mandula	Assistant Professor	Narasaraopeta Engineering College (Autonomous): Narasaraopet	FN					
					AN					
24	118399	Mandhadi Anusha	Assistant Professor	PACE Institute Of Technology & Sciences, Andhra Pradesh	FN					
					AN					
25	118400	Nukathoti Vijaya Kumar	Assistant Professor	PACE Institute Of Technology & Sciences, Andhra Pradesh	FN					
					AN					
26	118225	K Sudhir	Deputy HoD	Parvathaneni Brahmayya Siddhartha College of Arts & Science	FN					
					AN					
27	118224	M, Vijitha	Assistant Professor	Parvathaneni Brahmayya Siddhartha College of Arts & Science	FN					
					AN					
28	118006	Pulletikurthi Surya	Assistant Professor	Srinivasa Institute Of Engineering And Technology	FN					
					AN					
29	118007	Vishnuprasad Mahanti	Assistant Professor	Srinivasa Institute Of Engineering And Technology	FN					
					AN					
30	118015	Dr. M. Peeru Naik	Associate Professor	Srinivasa Ramanujan Institute of Technology, Anantapur	FN	M.P.Naik	M.P.Naik	M.P.Naik	M.P.Naik	M.P.Naik
					AN	M.P.Naik	M.P.Naik	M.P.Naik	M.P.Naik	M.P.Naik
31	118013	Dr. Y. Ramamohan Reddy	Professor	Srinivasa Ramanujan Institute of Technology, Anantapur	FN					
					AN					
32	118378	Abdul Azeez	Assistant Professor	Swarnandhra College of Engineering and Technology	FN	A.Azeez	A.Azeez	A.Azeez	A.Azeez	A.Azeez
					AN	A.Azeez	A.Azeez	A.Azeez	A.Azeez	A.Azeez

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No.	Faculty Id	Name	Designation	College Name	Session	05-05-2025	06-05-2025	07-05-2025	08-05-2025	09-05-2025
33	118379	V. Rambabu	Assistant Professor	Swarnandhra College of Engineering and Technology	FN					
					AN					
34	118380	Dr. M. Balaji.	Associate Professor	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada	FN					
					AN					
35	118381	Dr. V. Sridhar	Assistant Professor,	Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada	FN					
					AN					
36	118398	B.Yedukondala Rao	Assistant Professor,	Vignan's Nirula Institute of Technology and Science for Women	FN					
					AN					
37	118470	Dr. M. Kedar Mallik	Professor	Vasireddy Venkatadri Institute of Technology, Andhra Pradesh	FN					
					AN					
38	118471	Mr. P V S M Kumar	Professor	Vasireddy Venkatadri Institute of Technology, Andhra Pradesh	FN	P. Kumar	P. Kumar	P. Kumar	P. Kumar	P. Kumar
					AN	P. Kumar	P. Kumar	P. Kumar	P. Kumar	P. Kumar

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Program Report

NARASARAOPETA ENGINEERING COLLEGE
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Department of Mechanical Engineering

Date: 10-05-2025

PROGRAMME REPORT

Name of the Programme : A one week FDP on "AUTODESK AUTOCAD"

Dates : **05th – 09th May, 2025**

Details of the Resource Persons : **Mr. Kumar Mayank Priyadarshi**
Technical Trainer -ICT Academy

Course Coordinator : **Dr. P. Suresh Babu,**
Associate Professor, Dept. of Mechanical Engineering,
8500857969,drsureshbabu@nrtec.in

: **Dr. M Venkannababu,**
Associate Professor, Dept. of Mechanical Engineering,
9985808908, venkannababu.mendi@gamil.com

OBJECTIVE OF THE PROGRAMME:

This training programme is specially designed for Faculty members and it mainly deals with various aspects AUTODESK AUTOCAD.

THE COURSE AIMS TO ACHIEVE THE FOLLOWING OBJECTIVES:

- Understand the AutoCAD interface and workspace
- Master basic drawing and editing commands
- Organize drawings using layers and properties
- Apply precision drawing techniques
- Create and use blocks and groups
- Add annotations and dimensions
- Prepare drawings for printing and presentation
- Understand and implement drawing standards
- Gain familiarity with advanced features (optional)
- Develop problem-solving skills related to CAD design.

TOPIC COVERED:

- Introduction to AutoCAD
- Basic Drawing Tools
- Modifying Tools
- Drawing Organization and Layers
- Object Properties and Selection

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- ❖ Blocks and Groups
- ❖ Annotation and Dimensions
- ❖ Layouts and Printing
- ❖ Advanced Drawing Tools (Optional/Intermediate)
- ❖ Customization and Shortcuts
- ❖ Templates and Standards
- ❖ Optional Modules (Advanced or Industry-Specific)

OUTCOME OF THE PROGRAMME:

1. **Career Advancement Opportunities**
   AutoCAD skills are valued in fields like:
   - Architecture
   - Mechanical Engineering
   - Civil Engineering
   - Electrical Design
   - Interior Design
2. **Portfolio Development**
   Create a strong set of professional drawings and models to showcase skills.
3. **Certification**
   Gain Autodesk Certified User (ACU) or Autodesk Certified Professional (ACP) credentials, which boost credibility.
4. **Improved Precision and Efficiency**
   - AutoCAD allows for accurate measurements and efficient revisions.
   - Reusable blocks and templates save time.
5. **Enhanced Collaboration**
   - DWG and DXF files enable easy sharing and team-based project collaboration.
   - Cloud-based storage and integration with Autodesk services improve workflow.
6. **Visualization and Simulation**
   - Create 3D models for better spatial understanding and presentations.
   - Apply rendering and walkthroughs to simulate real-world views.

No. of Participants: 38

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Press Note & Coverage

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(AUTONOMOUS)
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Press Note

05.05.2025

ఎన్.ఈ.సీ లో ప్రారంభమైన "ఆటోక్యాడ్ సాఫ్ట్వేర్" - వారం రోజుల ఉపాధ్యాయ శిక్షణా తరగతులు

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో, ఐసీటీ అకాడమీ మరియు ఆటోడెస్క్ సహకారంతో **"AutoCAD (ఆటోక్యాడ్)"** అనే సాఫ్ట్వేర్ ప్యాకేజ్ పై వారం రోజుల ఉపాధ్యాయ శిక్షణా తరగతులు ఈ రోజు న ప్రారంభించారని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు అన్నారు. ఈ కార్యక్రమంలో లో ఐసీటీ అకాడమీ రీజినల్ మేనేజర్ శ్రీనివాస్ గారు, ఎన్.ఈ.సీ తో పాటు వివిధ కళాశాలల నుండి వచ్చిన ముప్పై ఆరు మంది అధ్యాపకులు పాల్గొన్నారని అన్నారు. అలాగే శిక్షకులుగా కుమార్ మయాంక్ ప్రియదర్శి గారు వ్యవహరిస్తారని తెలియజేశారు.

ఈ వారం రోజుల శిక్షణ శిబిరంలో ఆటోక్యాడ్ లోని డ్రాఫ్టింగ్ మరియు త్రీడీ మోడలింగ్ అనే అంశాలపై శిక్షణ ఇస్తారని కళాశాల వైస్ పిన్సిపాల్ డాక్టర్ డి. సునీల్ గారు గారు తెలియజేశారు. ముఖ్యంగా డ్రాఫ్టింగ్ లోని డ్రా టూల్ బార్స్, మోడిఫై, ఆనోటేషన్, లేయర్స్, బ్లాక్ మరియు ఇన్సర్ట్, ఐసోమెట్రిక్ డ్రాయింగ్స్ తదితర అంశాలు, అలాగే 3డి మోడలింగ్ లోని మోడలింగ్ టూల్స్, మోడిఫై, సాలిడ్ ఎడిటింగ్ మొదలగు అంశాలపై అధ్యాపకులకు శిక్షణ ఉంటుందన్నారు

ఈ సందర్భంగా కళాశాల పిన్సిపాల్ డాక్టర్ ఎస్.వెంకటేశ్వర్లు గారు మాట్లాడుతూ ఈ సాఫ్ట్వేర్ ప్యాకేజీని వివిధ రంగాలైన ఆటోమొబైల్, బిల్డింగ్ కంస్ట్రక్షన్స్, ఎక్విప్మెంట్ డిజైన్, ప్రోడక్ట్ డిజైన్, ఏరోస్పేస్ తదితర రంగాల లో ఎక్కువగా వాడతారని తెలియజేశారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు మాట్లాడుతూ ఇటువంటి శిక్షణా కార్యక్రమాలు నిర్వహించడం వలన అధ్యాపకుల యొక్క సాంకేతిక మరియు కంప్యూటర్ పరిజ్ఞానం పెరుగుతుందని, తద్వారా విద్యార్థులు లబ్ధి పొంది మెకానికల్ రంగం లోనే కాకుండా సాఫ్ట్వేర్ రంగం లో కూడా బాగా రాణిస్తారని ఆశాభావం వ్యక్తం చేసారు.

కళాశాల సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు మాట్లాడుతూ తమ కళాశాలలో అధ్యాపకులకు మరియు విద్యార్థులకు ఆధునిక పరిజ్ఞానం పై నిర్వహిస్తున్న ఇలాంటి కార్యక్రమాలు వారి పురోభివృద్ధికి మరియు అభ్యున్నతికి ఎంతగానో ఉపయోగపడతాయని తెలిపారు

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు ఐసీటీ అకాడమీ మరియు ఆటోడెస్క్ నిర్వాహకులకు తమ కృతజ్ఞతలు తెలియజేస్తూ, అధ్యాపకులను, ఈ కార్యక్రమ నిర్వాహకులను మరియు సమన్వయకర్త ఎం.వెంకన్న బాబు గార్లను అభినందించారు.

Dr. B.Venkata Siva
Head – Mechanical Eng. Dept., NEC
Cell: 9692464540

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C.No: 025-222964
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B.YEDUKONDALA RAO

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has participated in one week Faculty Development Program on

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THELLA ASHOK KUMAR

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has participated in one week Faculty Development Program on

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C.No: 025-222958
Date: 09 May 2025

VENKAIAH MANDULA

Narasaraopeta Engineering College

has participated in one week Faculty Development Program on

Autodesk AutoCAD

conducted by ICT Academy on 05 May 2025 to 09 May 2025 at

Narasaraopeta Engineering College

ICT ACADEMY FACULTY DEVELOPMENT PROGRAM

In association with

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C.No: 025-223038
Date: 09 May 2025

MANDHADI ANUSHA

PACE INSTITUTE OF TECHNOLOGY & SCIENCES, Andhra Pradesh

has participated in one week Faculty Development Program on

Autodesk AutoCAD

conducted by ICT Academy on 05 May 2025 to 09 May 2025 at

Narasaraopeta Engineering College

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C.No: 025-223039
Date: 09 May 2025

NUKATHOTI VIJAYA KUMAR

PACE INSTITUTE OF TECHNOLOGY & SCIENCES, Andhra Pradesh

has participated in one week Faculty Development Program on

Autodesk AutoCAD

conducted by ICT Academy on 05 May 2025 to 09 May 2025 at

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C.No: 025-222956
Date: 09 May 2025

M, VIJITHA

Parvathaneni Brahmayya Siddhartha College of Arts & Science

has participated in one week Faculty Development Program on

Autodesk AutoCAD

conducted by ICT Academy on 05 May 2025 to 09 May 2025 at

Narasaraopeta Engineering College

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Sustainable constructions Practices in Modern Infrastructure

NEC

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Circular

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Phone No. : 08647-239923, 9692464540, Fax No. : 08647-239902
Website: http://www.nrtec.in
DEPARTMENT OF CIVIL ENGINEERING

Date: 11-03-2025

CIRCULAR

Department of Civil Engineering with association of IQAC is organizing Seminar on "**Sustainable Construction Practices in Modern Infrastructure**" on **17/03/2025** for civil faculty. Request all the faculty members to attend for this program to enhance your skills.

Program Convenor: **Dr. P. Naga Sowjanya,** (8897170424)
Assoc Professor & HOD. Dept. of Civil

IQAC

HOD

PRINCIPAL
Principal
NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601, Palnadu (Dist.), A.P.

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2. Principal
3. AO for Necessary arrangements
4. Department Notice Boards
5. Circulation to all staff members
6. All HODs

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ENGINEERING COLLEGE
(AUTONOMOUS)

Brochure

Seminar
On

"SUSTAINABLE CONSTRUCTION PRACTICES IN MODERN INFRASTRUCTURE"

17, MAR, 2025

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 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.

Seminar
On

"SUSTAINABLE CONSTRUCTION PRACTICES IN MODERN INFRASTRUCTURE"

17, MAR, 2025

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 : principal@nrtec.in

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601, Palnadu (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.

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OBJECTIVE OF COURSE

After completing this course you will able to:

- Understanding the concept of sustainable construction and its importance.
- Knowledge of energy-efficient and environmentally friendly construction practices.
- Insights into waste reduction and resource management in construction
- Understanding sustainable design principles for modern infrastructure projects

Resource Persons

Prof.Shyam Kumar. Inturi,
NICMAR University of Construction studies,
Hyderabad

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. S. Venkateswarlu,
Principal, NEC

Convener:

Dr. Dr. P. Naga Sowjanya, M.Tech., Ph.D
Associate Professor & Head, Dept. of CE

Coordinator:

Mr. M.N.S. Sambasivarao, M.Tech
Assistant Professor, Dept. of CE

Organizing Committee:

Mr. K Anil kumar	Assistant Professor
Mr. N M Subhani	Assistant Professor
Mrs. A L Prasanna	Assistant Professor
Mr.SK.Saida	Assistant Professor
Mr.B.V.Srinivasa Rao	Assistant Professor
Mr.M.Venkatesh	Assistant Professor

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Schedule

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DEPARTMENT OF CIVIL ENGINEERING

PROGRAM SCHEDULE

Program Name: Seminar on "Sustainable Construction Practices in Modern Infrastructure"

Date/Duration: 17/03/2025 / 10:00 AM to 01:00 PM

Name of the Resource Person: Prof. Shyam Kumar Inturi, NICMAR University of construction studies, Hyderabad

Time	Schedule
10:00AM	Welcome
10:00 to 10:30	Resource Person and Faculty Introduction
10:30 to 12:30	Lecture by Resource person
12:30 to 12:50	Questions
12:50 to 01:00	Vote of Thanks & Closing

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Attendance sheet

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DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE SHEET

Program Name: Seminar on "Sustainable Construction Practices in Modern Infrastructure"

Date/Duration: 17/03/2025 / 10:00 AM to 01:00 PM

Name of the Resource Person: Prof. Shyam Kumar Inturi, NICMAR University of construction studies, Hyderabad

S. No.	Name of the Faculty	Signature of the Faculty
1.	DO. P. Nagasanjay	
2.	K. Anilkumar	
3.	SK. Sydha	
4.	B.V. Srinivasa Rao	
5.	G. Ezri Babu	
6	M. Vasavi	
7.	A. Lakshmiprasanna	
8.	N. Mb. Subhani	
9.	M.N.S. Sambasiva	
10	S. Maheswari	
11.	B.V. Srinivasarao	

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Program Report

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DEPARTMENT OF CIVIL ENGINEERING

Date:18/03/2025

Program Report

Program Name: "Seminar on Sustainable Construction Practices in Modern Infrastructure"

Date/Duration: 17/03/2025 / 10:00 AM to 01:00 PM

Name of the Resource Person: Prof. Shyam Kumar Inturi, NICMAR University of construction studies, Hyderabad

No. of Faculty Enrolled: 11

Program Objective:

The objective of this seminar is to create awareness about sustainable construction practices in modern infrastructure development. It aims to educate students on eco-friendly materials, energy-efficient construction methods, and sustainable design principles that minimize environmental impact and promote long-term resource conservation.

Program Outcome:

The participants gained knowledge on:

- Understanding the concept of sustainable construction and its importance.
- Awareness of green building materials and technologies.
- Knowledge of energy-efficient and environmentally friendly construction practices.
- Insights into waste reduction and resource management in construction.
- Understanding sustainable design principles for modern infrastructure projects.

Coordinator

IQAC

Head of the Department

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Press Note & Coverage

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Press Note

ఎన్. ఈ. సి లో "సస్టైనబుల్ కన్స్ట్రక్షన్ ప్రాక్టీసెస్ ఇన్ మోడరన్ ఇన్ఫ్రాస్ట్రక్చర్"పై

ఇంజనీరింగ్ అధ్యాపకులకు ఒక రోజు సెమినార్

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో సివిల్ ఇంజనీరింగ్ విభాగ ఆధ్వర్యంలో ఇంజనీరింగ్ అధ్యా పకులకు "సస్టైనబుల్ కన్స్ట్రక్షన్ ప్రాక్టీసెస్ ఇన్ మోడరన్ ఇన్ఫ్రాస్ట్రక్చర్"పై ఒక రోజు సెమినార్ప్రారంభించినట్లు కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

సెమినార్ ప్రారంభ కార్యక్రమములో ముఖ్యఅతిథులుగా హైదరాబాద్ నుండి ఐ. శాఖి కుమార్ శిక్షకులుగా వ్యవహరించి అధ్యాపకులకు "సస్టైనబుల్ కన్స్ట్రక్షన్ ప్రాక్టీసెస్ ఇన్ మోడరన్ ఇన్ఫ్రాస్ట్రక్చర్" కి సంబంధించి చాలా అంశాలు గురించి వివరించారు.

ఈ సందర్భగా కళాశాల ప్రిన్సిపల్ డాక్టర్ .స్ .వెంకటేశ్వర్లు గారు మాట్లాడుతూ అధ్యాపకులను ఉద్దేశించి ప్రస్తుత సివిల్ ఇంజనీరింగ్ లో "సస్టైనబుల్ కన్స్ట్రక్షన్ ప్రాక్టీసెస్ ఇన్ మోడరన్ ఇన్ఫ్రాస్ట్రక్చర్" ద్వారా చాలా ఉద్యోగ అవకాశములు విద్యార్థులకు అందించుటకు అధ్యాపకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు కల్పించారని ,అధ్యాపకులకు ఒక రోజు శ్రద్ధగా సెమినార్ విని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

సివిల్ ఇంజనీరింగ్ విభాగ అధిపతి డాక్టర్ పి. నాగ సౌజన్య గారు మాట్లాడుతూ ,ఈ ఒక రోజు సెమినార్ "సస్టైనబుల్ కన్స్ట్రక్షన్ ప్రాక్టీసెస్ ఇన్ మోడరన్ ఇన్ఫ్రాస్ట్రక్చర్ "అప్లికేషన్స్ మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు,

మరియు ఈ తరగతులకు 11 మంది ఇంజనీరింగ్ అధ్యాపకులు పాల్గొన్నారు అని తెలిపారు.

ఈ కార్యక్రమంలో కళాశాల చైర్మన్ మిట్టపల్లి కోటేశ్వరావు గారు కళాశాలలోని ప్రతి ఒక్కఅధ్యాపకులు సంవత్స రంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వాలని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భగా గుర్తు చేశారు.

కళాశాల సెక్రటరీ మెట్టపల్లి రమేష్ గారు మాట్లాడుతూ, ఈ శిక్షణ తరగతిని నిర్వహిస్తున్న సివిల్ఇంజనీరింగ్ విభాగాన్ని అభినందించారు.

ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు అధ్యా పకులు పాల్గొన్నారు.

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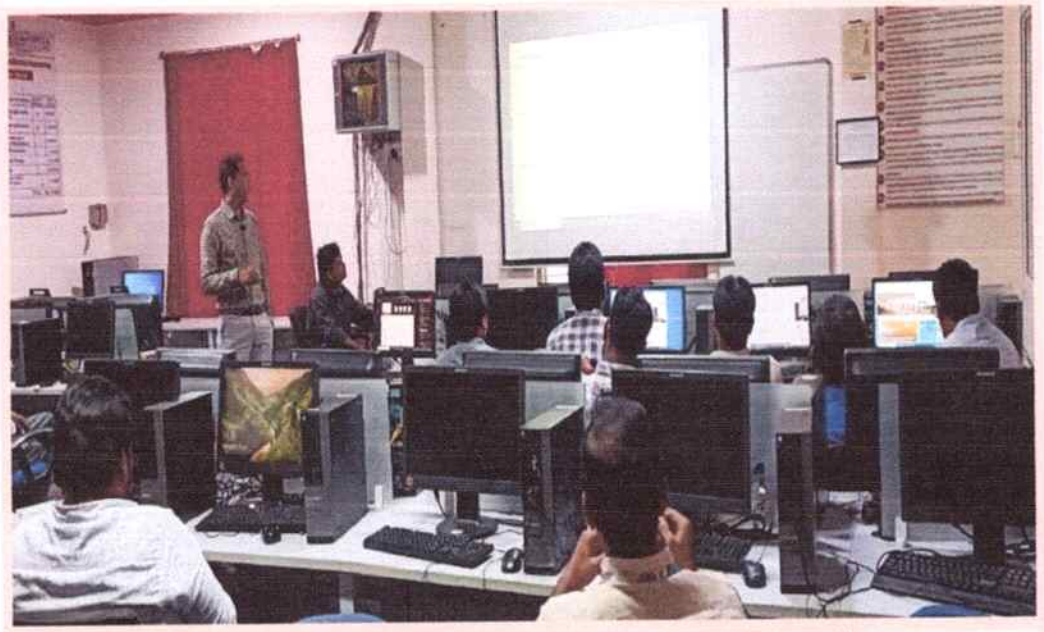

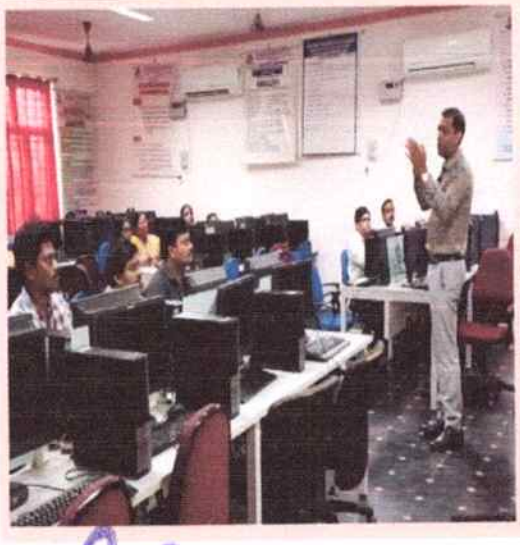

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This to Certify that Mr./Ms. M.N.S. Sambasivarao, Assistant professor has participated in the Seminar on "Sustainable Construction Practices in Modern Infrastructure" conducted by Department of Civil Engineering, Narasaraopeta Engineering College (Autonomous) on 17th March 2025 .

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HOD - Civil
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— OF PARTICIPATION —

This to Certify that Mr./Ms. K. Anil Kumar, Assistant professor has participated in the Seminar on "Sustainable Construction Practices in Modern Infrastructure" conducted by Department of Civil Engineering, Narasaraopeta Engineering College (Autonomous) on 17th March 2025 .

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This to Certify that Mr./Ms. A. Lakshmi prasanna, Assistant professor has participated in the Seminar on "Sustainable Construction Practices in Modern Infrastructure" conducted by Department of Civil Engineering, Narasaraopeta Engineering College (Autonomous) on 17th March 2025 .

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(AUTONOMOUS)
NARASARAOPET - 522 601, Palnadu (Dist.), AP

No.12,Ramasamy Street,Tambaram West, Chennai - 600 045,Tamilnadu,India,Email : info@litaaacademy.com

CERTIFICATE

— OF PARTICIPATION —

This to Certify that Mr./Ms. Sk. Sydha, Assistant professor has participated in the Seminar on "Sustainable Construction Practices in Modern Infrastructure" conducted by Department of Civil Engineering, Narasaraopeta Engineering College (Autonomous) on 17th March 2025 .

IQAC

Director
CPLR

HOD - Civil
NEC

Principal
NEC

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NEC NARASARAOPETA ENGINEERING COLLEGE
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Revolutionizing Education with Gen AI

NEC NARASARAOPETA ENGINEERING COLLEGE
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Circular

NARASARAOPETA ENGINEERING COLLEGE
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(Approved by AICTE, Affiliated to JNTUK, Kakinada, Accredited by NAAC, RTA Approved Pollution test Centre, ISO 9001: 2008 Certified Institution)

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur district, Andhra Pradesh

Phone No. : 08647-239904, Fax No. : 08647-239902

E-mail: principal@nrtec.in Website: http://www.nrtec.in

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Date: 04-03-2025

CIRCULAR

All the Teaching staff members are here by informed that IQAC & Department of Computer Science and Engineering is going to organize a one week Faculty Development Program on Revolutionizing Education with Gen AI:Teaching and Learning Strategies during 10th -15th March,2025. All the registered Teaching staff are requested to attend the FDP without fail.

Venue : Computer Lab (2304), Block-2, Narasaraopet Engineering College.

Coordinator: Dr. K. Suresh Babu
Associate Professor, CSE Dept.

IQAC

HOD

PRINCIPAL

Copy to:

IQAC

1. Chairman for Favour of Information
2. Principal
3. AO for Necessary arrangements
4. Department Notice Boards
5. Circulation to all Staff Members
6. All HOD's

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Brochure

Course Content:

- Improving dubbing for movies and educational content in different languages.
- Writing email responses, dating profiles, resumes and term papers.
- Creating photorealistic art in a particular style.
- Use APIs or fine-tuned models, Hugging Face Spaces / Google Colab

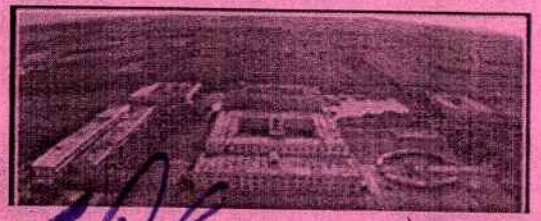
.Resource Persons:

Mr.Arpit Yadav
Sr.AI Scientist,Reseacher in AIML.

IMPORTANT DATES:

- **Last date for Registration: 08/03/2025**
- **Intimation to Participants: 09/03/2025**

Any Information Contact:
Dr.K.Suresh Babu, Coordinator,
Mobile: +9052808385,
Email:sureshkunda@nrtec.in



IQAC

ABOUT THE COLLEGE

The Narasaraopet Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence (COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps; 50 Cloud Apps and 100 Windows Apps are uploaded every year.In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

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

A One Week
Faculty Development Program

On

Revolutionizing Education with Generative AI:Teaching and Learning Strategies.

10th – 15th March,2025

In Association with
BLACKBUCK

Organized

By

Department of
Computer Science and Engineerng

NEC
NARASARAOPETA
ENGINEERING COLLEGE

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Accredited By NAAC A+
(Approved By AICTE, New Delhi, Affiliated To JNTUK, Kakinada)
Kotappakonda Road, Yallamanda Village,
NARASARAOPET, GUNTUR DIST, A.P.
www.nrtec.in, Email: csehod@nrtec.in

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. Seven Ph.Ds. are awarded under our department.

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OBJECTIVE OF FDP

Generative AI models use neural networks to identify patterns in existing data to generate new content. Trained on unsupervised and semi-supervised learning approaches, organisations can create foundation models from large, unlabeled data sets, forming a base for AI systems to perform tasks. GenAI uses neural networks to generate images, text, and other media from text prompts. Writing email responses, dating profiles, resumes and term papers.

Registration:

- The faculty members of the AICTE Approved institutions, PG & Research scholars from Government, Industry can participate in this FDP.
- Number of participants is limited to 200
- To register, please visit: https://forms.gle/6iwA5Ni3kc7z6W9J9
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.
- Last date for Registration: 08/03/2025.
- Intimation to Participants: 09/03/2025.

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

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. S.Venkateswarulu,
M.Tech., PhD ,Principal.

Convener

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

Coordinator

Dr. K. Suresh Babu
Assoc Professor, CSE Dept

ORGANIZING COMMITEE

Dr. S.Siva Nageswara Rao

Dr K.S.M.V. Kumar

Dr.M.Sireesha

Dr.k.suresh Babu

NEC NARASARAOPETA ENGINEERING COLLEGE
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Schedule

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

One Week FDP on Revolutionizing Education with Gen AI:Teaching and Learning Strategies FDP - Schedule

Date	Session	Topics	Sub Topics
10-03-2025	1	Fundamentals of AI,	Evolution of AI → ML → DL → Generative AI
	2	Fundamentals Machine Learning	Key concepts: models, datasets, training, inference
	3	Fundamentals Deep Learning	Popular frameworks: TensorFlow, PyTorch, Hugging Face
	4	Overview of Generative AI	Difference between discriminative vs generative models
11-03-2025	1	Types of generative models	text, image, audio, video
	2	Architecture of Transformer models	Attention mechanism and self-attention
	3	Overview of GPT models	GPT-4
	4	Overview of BERT, T5, LLaMA	Pretraining vs fine-tuning
12-03-2025	1	Understanding Large Language Models	Tokenization and embeddings
	2	Generative Models for Images and Media	Audio generation with OpenAI Jukebox / ElevenLabs
	3	Introduction to Generative Adversarial Networks (GANs)	Multimodal models: CLIP and GPT-4V
	4	Introduction to Diffusion models	Tools: Stable Diffusion, DALL·E, Midjourney
13-03-2025	1	Training generative models	Transfer learning and parameter-efficient fine-tuning
	2	customizing generative models	Prompt engineering and prompt chaining
	3	Preparing datasets	cleaning, preprocessing, augmentation
	4	Using LangChain	building LLM-based apps
14-03-2025	1	Responsible AI	Ethical considerations and bias in AI models
	2	Evaluation and Deployment of Models	Privacy, copyright, and data security issues
	3	Model evaluation metrics	BLEU, ROUGE, FID, perplexity
	4	Deploying models	Streamlit / Gradio
15-03-2025	1	Hosting models	Hugging Face Spaces / Google Colab
	2	Project Development	Build, test, and integrate with UI
	3	Plan and design a small Generative AI project	textbot, image generator, chatbot, etc.
	4	Presentation & Review	Use APIs or fine-tuned models

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Attendance sheet

NARASARAOPET ENGINEERING COLLEGE : : NARASARAOPET (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

FACULTY LIST ATTEND FDP (Revolution Education With Generative AI:Teaching and Learning Strategies)

S. No.	Name	10-03-2025	11-03-2025	12-03-2025	13-03-2025	14-03-2025	15-03-2025
1	Dr.S.N.Tirumala Rao						
2	Dr. S.V.N. Sreenivasu						
3	Dr. S.Siva Nageswara Rao						
4	V. Mahesh Babu						
5	Dr. O. Sambasiva Rao						
6	Dr. V. V. A. S. Lakshmi						
7	Dr G.Dilip Kumar						
8	Dr. B. Jayachandran						
9	Dr. G. Vijaya Kumar						
10	Dr. SK. Chand Basha						
11	Dr.S.Ganesh Babu						
12	Dr. M. Sireesha						
13	N. Vijay Kumar						
14	Dr. G. Siva Raman						
15	Dr. S. Venkatesan						
16	Dr. Vasantha Swaminathan						
17	Dr. R Ramnath						
18	Dr. T. Muni Sankar						
19	Dr.B.Srikanth						
20	Dr.Ch.Venkata Ratnam						
21	Dr.G.Prasanth						
22	Dr.P.Marimuthu.						
23	Dr.S.Janakiramudu						
24	Dr.Y.Lelakrishna						
25	Dr. A. Mahendar						
26	Dr. E. Rama Krishna						
27	Dr. M. Malyadri						
28	Dr. K. Ashok						
29	Dr. T. Nedunchezhian						
30	Sd. Rizwana						
31	Sk. Subhani						

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S. No.	Name	10-03-2025	11-03-2025	12-03-2025	13-03-2025	14-03-2025	15-03-2025
32	P. Swathi						
33	SK. Gousya Pyari						
34	Sk. Khaja Mohiddin Basha						
35	K. Rambabu						
36	M. Satyam Reddy						
37	Sk. Rafi						
38	K V.Narasimha Reddy						
39	Y. Chandana						
40	G. Srinadh						
41	BELLAMKONDA SIVAPRASAD						
42	R. Sowjanya						
43	D.V. Padmavathi						
44	Abburi Ramesh						
45	B. Dileep Kumar						
46	M. Koteswara Rao						
47	P. Sireesha						
48	P. Solman						
49	M. SYAMKUMAR						
50	SANKURI Deva Raju						
51	B. Sathish Kumar						
52	S. Chaitanya Bharathi						
53	P RAMADEVI						
54	D. Venkata Reddy						
55	G. Saranya						
56	M. Venkata Rao						
57	Ch. Rajani						
58	M. Suneetha						
59	M. Suresh						
60	T. G. Ramnadh Babu						

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Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 18th March, 2025.

Program Report

Name of the program : **One Week FDP on Revolutionizing Education with Gen AI:Teaching and Learning Strategies.**

Date(s) of FDP : 10th March to 15th 2025

Details of the Resource Person(s):

Name : Arpit Yadav,
Designation : Sr. AI Scientist in AIML
Organization : Black Bucks
Phone No. : 95029 89869
Mail-id : arpityadav@blackbucks.in

Details of the Co- Ordinator:

Name : Dr. K. Suresh Babu
Designation : Associate Professor, C S E Dept.
Organization : Narasaraopet Engineering College
Phone No. : 9052808385
Mail-id :sureshkunda@nrtec.in

Objective of the Program:

Generative AI models use neural networks to identify patterns in existing data to generate new content. Trained on unsupervised and semi-supervised learning approaches, organisations can create foundation models from large, unlabeled data sets, forming a base for AI systems to perform tasks.

Some examples of foundation models include LLMs, GANs, VAEs, and Multimodal, which power tools like ChatGPT, DALL-E, and more. ChatGPT draws data from GPT-3 and enables users to generate a story based on a prompt. Another foundation model, Stable Diffusion, allows users to create realistic images based on text input.

GenAI uses neural networks to generate images, text, and other media from text prompts. It trains on large unlabeled datasets and has a variety of use cases, such as content creation, coding, and language translation. The more we concerns surrounding it.

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Topics Covered:

- Introduction to Artificial Intelligence, Image Recognition, Traffic Prediction, Medical Diagnosis, SelfDriving Cars.

- Introduction to Machine Learning, Supervised Learning, Unsupervised Learning, Semi Supervised Learning Reinforcement Learning, K-Means Clustering, Cross-Validation, Overfitting, Under Fitting.

- Introduction to Deep Learning, Fraud detection, Customer service, Predictive analytics, Industrial. Types of generative models, Overview of GPT models, Deploying models, Hosting models.

Outcome of the Program:

- Implementing chatbots for customer service and technical support.
- CLIP and GPT-4V models, Stable Diffusion, DALL·E, Midjourney.
- Deploying deepfakes for mimicking people or even specific individuals.
- Improving dubbing for movies and educational content in different languages.
- Writing email responses, dating profiles, resumes and term papers.
- Creating photorealistic art in a particular style.
- Use APIs or fine-tuned models, Hugging Face Spaces / Google Colab.

No.of Participants: 60

Signature of co-ordinator

K.Suresh Babu(Assoc professor)

Signature of HOD

Dr.S.N.Tirumala Rao.

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Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
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DEPARTMENTOF COMPUTER SCIENCE AND ENGINEERING
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
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Phone: 08647-239912 e-mail: csehod@nrtec.in visit us at : www.nrtec.in

Press Note

ఎన్. ఈ. సి లో " **రివొల్యూషనైజింగ్ ఎడ్యుకేషన్ విత్ జెన్ ఏఐ :టీచింగ్ అండ్ లెర్నింగ్ స్ట్రాటెజిఎస్ ఐ** " పై ఇంజనీరింగ్ అధ్యా పకులకు 07 రోజుల శిక్షణ తరగతులు ప్రారంభం స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ ఆధ్వర్యంలో ఇంజనీరింగ్ అధ్యా పకులకు " **రివొల్యూషనైజింగ్ ఎడ్యుకేషన్ విత్ జెన్ ఏఐ :టీచింగ్ అండ్ లెర్నింగ్ స్ట్రాటెజిఎస్** "పై 07 రోజులు శిక్షణా తరగతులు ప్రారంభించినట్లు కళాశాల వైస్ చైర్మ న్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

శిక్షణ తరగతులు ప్రారంభ కార్యక్రమములో ముఖ్య అతిథులుగా **అర్పిత్ యాదవ్ సీనియర్ సైంటిస్ట్ ఇన్ AIML, బ్లాక్ బక్స్ సంస్థ ఆద్యర్యం లో శిక్షకులుగా** వ్యవహరించి అధ్యాపకులకు " **రివొల్యూషనైజింగ్ ఎడ్యుకేషన్ విత్ జెన్ ఏఐ :టీచింగ్ అండ్ లెర్నింగ్ స్ట్రాటెజిఎస్**" కి సంబంధించిన ఇంట్రడక్షన్ టూ ఆర్టిఫిషల్ ఇంటలిజెన్స్, ఇమేజ్ రెకగ్నిషన్, ఫ్రాడ్ డిటెక్షన్ వంటి మొదలగు అంశాలు గురించి వివరించారు.

ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్ డాక్టర్ .స్ .వెంకటేశ్వరులు గారు మాట్లాడుతూ అధ్యా పకులను ఉద్దేశించి ప్రస్తుత సాఫ్ట్వేర్ ఇంజనీరింగ్ లో "**రివొల్యూషనైజింగ్ ఎడ్యుకేషన్ విత్ జెన్ ఏఐ :టీచింగ్ అండ్ లెర్నింగ్ స్ట్రాటెజిఎస్**" ద్వా రా చాలా ఉద్యోగ అవకాశములు విద్యార్థులకు అందించుటకు అధ్యా పకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు కల్పించారని ,అధ్యా పకులకు 07 రోజులు శ్రద్ధగా శిక్షణ తీసుకుని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ అధిపతి డాక్టర్ స్.న్.తిరుమల రావు గారు మాట్లాడుతూ ,ఈ 07 రోజుల శిక్షణ యందు "**జెన్ ఏఐ** " చాటబోట్స్, ఎడ్యుకేషనల్ కంటెంట్ ఇన్ డిఫరెంట్ లాంగుఏజెస్, డిజైనింగ్ యూసర్ ఇంటెర్ఫేసెస్ మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు, మరియు ఈ తరగతులకు ఆంధ్ర మరియు తెలంగాణ రాష్ట్రాల నుండి 60 మంది ఇంజనీరింగ్ అధ్యా పకులు పాల్గొన్నా రు అని తెలిపారు.

ఈ కార్య క్రమంలో కళాశాల చైర్మ న్ మిట్టపల్లి కోటేశ్వ రావు గారు కళాశాలలోని ప్రతి ఒక్క అధ్యా పకులు సంవత్స రంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వా లని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భంగా గుర్తు చేశారు.
కళాశాల సెక్రటరీ మెట్టపల్లి రమేష్ గారు మాట్లాడుతూ ఈ శిక్షణ తరగతులను నిర్వ హిస్తున్న కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ అల్లైడ్ విభాగాలను అభినందించారు.
ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు, అధ్యా పకులు పాల్గొన్నా రు.

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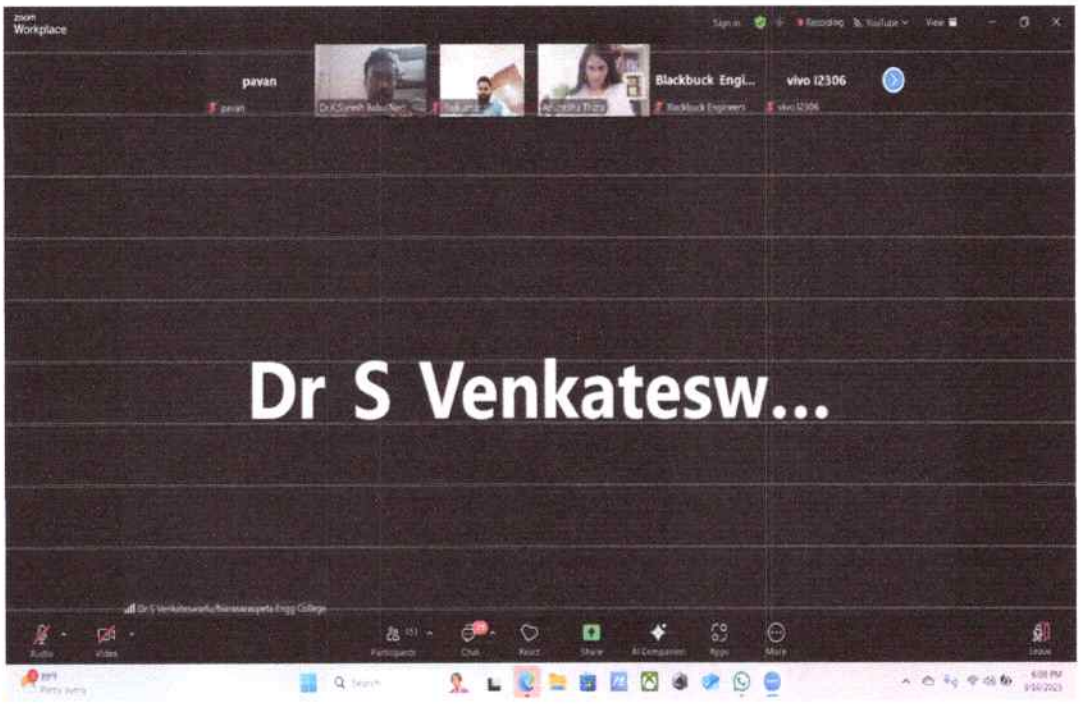
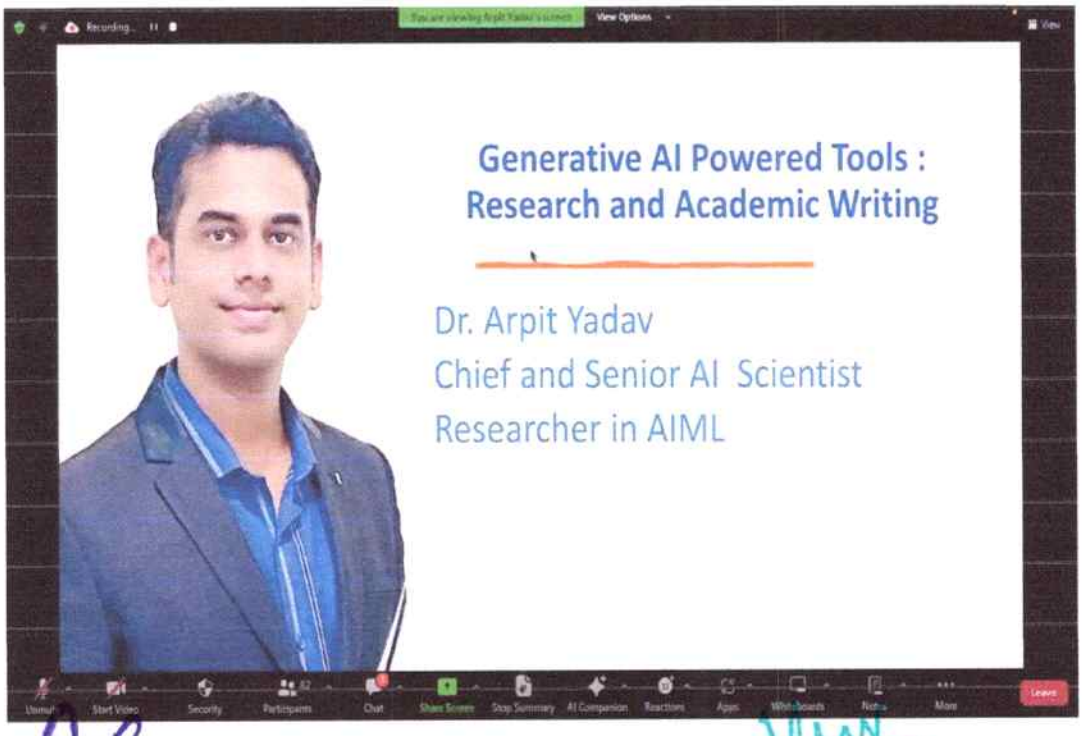
Photos

Revolutionizing Education with Gen AI:Teaching and Learning Strategies-

FDP Glimpse





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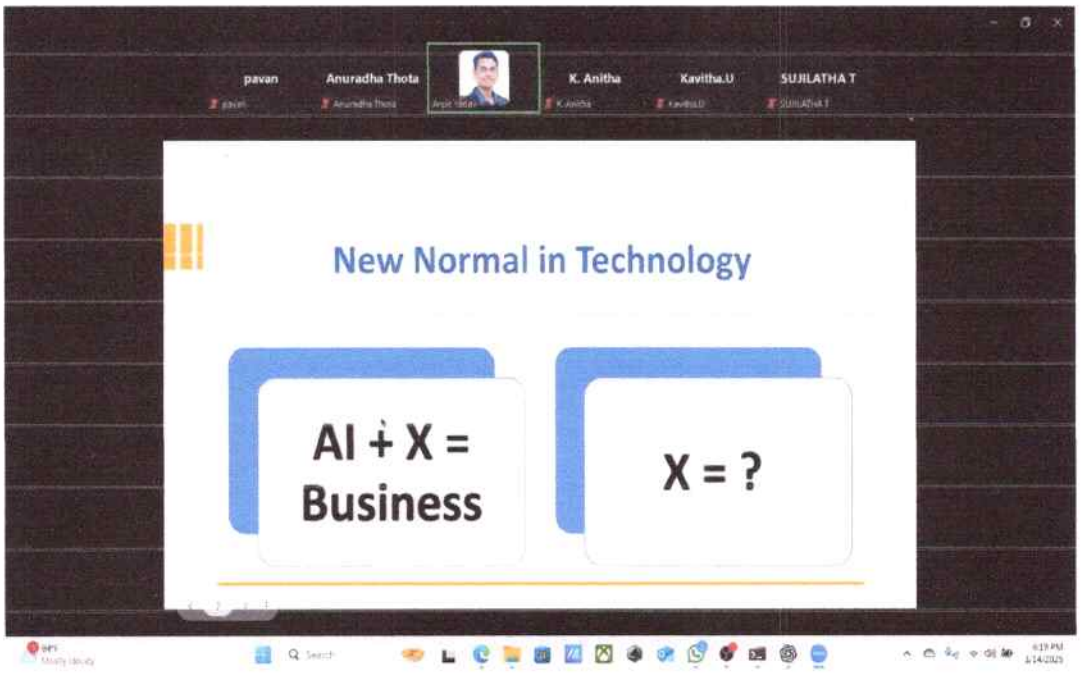
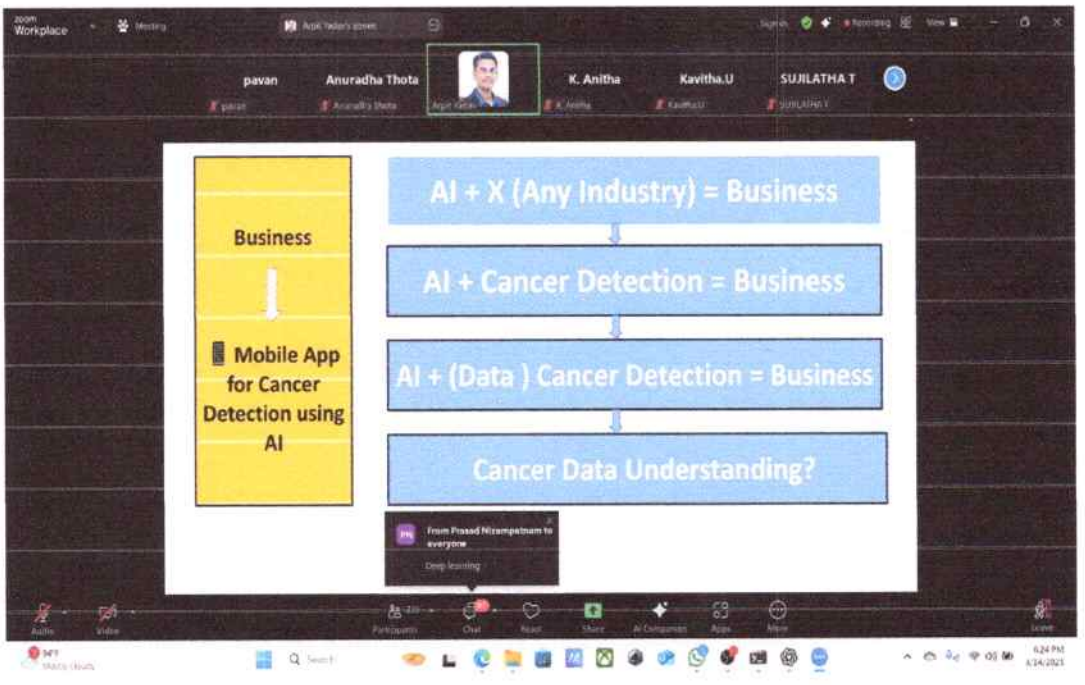


Resource person deliverig the content



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Sample Certificates

BLACKBUCK EDUCATION

NEC NARASARAOPETA ENGINEERING COLLEGE

CERTIFICATE

Of Participation

THIS CERTIFICATE IS PRESENTED TO

Dr. S.V.N. Sreenivasu

Professor,Department of Computer Science and Engineering ,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

"Revolutionizing Education with Generative AI: Teaching and Learning Strategies"

held from 10th-15th, March,2025 Organized by the Departments of CSE, IT, CSE(AI), CSE(AI&ML), CSE(DS), CSE(CS), MCA & ECE at Narasaraopeta Engineering College(NEC) in Collaboration with Blackbucks Group

Dr.K.SURESH BABU
Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

ANURADHA THOTA
Blackbucks Group
MD & CEO

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

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Dr. S.Siva Nageswara Rao

Professor,Department of Computer Science and Engineering ,Narasaraopeta Engineering College

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Narasaraopeta Engineering College(NEC)
Cobrdinator,Dept of CSE

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
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ANURADHA THOTA
Blackbucks Group
MD & CEO

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Dr. M. Sireesha

Assoc. Professor,Department of Computer Science and Engineering ,Narasaraopeta Engineering College

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Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

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Of Participation

THIS CERTIFICATE IS PRESENTED TO

N. Vijay Kumar

Assoc. Professor,Department of Computer Science and Engineering ,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

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Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
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Generative AI

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Circular

NARASARAOPETA ENGINEERING COLLEGE
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DEPARTMENTOFINFORMATIONTECHNOLOGY

Date:8-03-2025

CIRCULAR

All the Teaching Faculty members are here by informed that the Department of Information Technology is going to organize a One Week Faculty Development Program on Generative AI during10th – 15thMarch,2025. Allthe registered Teaching staff are requested to attend the FDP without fail.

Venue **:ComputerLab (2304),Block-2,NarasaraopetEngineering College.**

Coordinator:Dr.K.Suresh Babu
Associate Professor, ITDept.

Coordinator IQAC

HOD

PRINCIPAL

Copyto:

1. Chairman for Favour of Information
2. Principal
3. AO for Necessary arrangements
4. Department Notice Boards
5. Circulationto all Staff Members
6. All HOD's

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Brochure

Course Content:

- Introduction to Cyber Security and Current Threat Landscape
- Overview of Cyber Security
- Network Protocols & Architecture
- Firewalls and Intrusion Detection/Prevention Systems
- Cryptography and Data Protection
- Emerging Technologies and Trends in Cyber Security

Resource Persons:

- Dheeraj Koganti Partnerships Manager, Black Bucks

IMPORTANT DATES:

- **Last date for Registration: 8/03/2025**
- **Intimation to Participants: 9/03/2025**

Any Information Contact:
Dr. K. Suresh Babu, Coordinator,
Mobile: 9052808385,
Email: mohammadjani@gmail.com

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ABOUT THE COLLEGE

The Narasaraopet Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence (COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps; 50 Cloud Apps and 100 Windows Apps are uploaded every year.In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

A One Week
Faculty Development Program

On

Generative AI

10th – 15th March 2025

In Association with Blackbucks

Organized

By

Department of Information Technology

NEC
NARASARAOPETA
ENGINEERING COLLEGE

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

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ABOUT THE DEPARTMENT

The Department of IT started in the year 2019. with an intake of 60. Now the intake of the IT is 120 in UG, 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 responsi- bilities, 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 stu- dents have produced not only a commendable ac- ademic 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 in- novative ideas in their project works, to develop industry readiness and R&D. The faculty has published around 25 research publication papers in different thrust areas like AR&VR, AI, ML, DL, cyber securities etc in every year. Many of the faculty members are upgrading their skills by attending the FDP, Con- ferences, seminars and workshops in innovative and thrust area technologies regularly.

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OBJECTIVE OF FDP

Cyber Security awareness is one of the most important aspects that everyone must handle in their day-to-day operations. This online FDP will discuss and demonstrate how technology becomes vulnerable to cybercrime and how hackers exploit technological systems. Hands-on sessions will explore the depth of knowledge in Cyber Security. This Program provides an opportunity to perform research in the area of Cyber Security. The Program also tends to provide a forum for academic experts, industry experts and research scholars to exchange and share their experiences and innovations about all aspects of Cyber Security

Registration:

- The faculty members of the AICTE Approved institutions, PG & Research scholars from Government, Industry can participate in this FDP.
- Number of participants is limited to 200
- To register, please visit: https://forms.gle/6iwA5Ni3kc7z6W9J9
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.
- Last date for Registration: 08/03/2025.
- Intimation to Participants: 09/03/2025.

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. B. Jhansi Vazram
Professor & Head, Dept. of IT.

Coordinator

Dr. K. Suresh Babu
Associate Professor, Dept of IT

Organizing Committee

Dr. G Syam Prasad
K. Suresh Babu
K. Jaya Prakash
Dr. R Sathees Kumar
N.B.S Vijay Kumar
B. Babu
Dr. Y. Ravi Kumar
B. Veera Bramham
Dr. V Surya Narayana
U. Vijay Kumar
P. Vijaya Lakshmi
Dr. K. Soma Sekhar
T. Venkata Manohar
M. Ravindra Babu
Dr. M. Sireesha
K. Sireesha

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Schedule

NARASARAOPETA ENGINEERING COLLEGE
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DEPARTMENTOFINFORMATIONTECHNOLOGY

Generative AI

Date	Session	Topics	Sub Topics
10-03-2025	1	Fundamentals of AI,	Evolution of AI → ML → DL → Generative AI
	2	Fundamentals Machine Learning	Key concepts: models, datasets, training, inferen
	3	Fundamentals Deep Learning	Popular frameworks: TensorFlow, PyTorch, Hugging Face
	4	Overview of Generative AI	Difference between discriminative vs generativ models
11-03-2025	1	Types of generative models	text, image, audio, video
	2	Architecture of Transformer models	Attention mechanism and self-attention
	3	Overview of GPT models	GPT-4
	4	Overview of BERT, T5, LLaMA	Pretraining vs fine-tuning
12-03-2025	1	Understanding Large Language Models	Tokenization and embeddings
	2	Generative Models for Images and Media	Audio generation with OpenAI Jukebo / ElevenLabs
	3	Introduction to Generative Adversarial Networks (GANs)	Multimodal models: CLIP and GPT-4V
	4	Introduction to Diffusion models	Tools: Stable Diffusion, DALL·E, Midjourney
13-03-2025	1	Traininggenerative models	Transfer learning and parameter-efficient fine-tuning
	2	customizing generative models	Prompt engineering and prompt chaining
	3	Preparing datasets	cleaning, preprocessing, augmentation
	4	Using LangChain	building LLM-based apps
14-03-2025	1	Responsible AI	Ethical considerations and bias in AI models
	2	Evaluation and Deployment of Models	Privacy, copyright, and data security issues
	3	Model evaluation metrics	BLEU, ROUGE, FID, perplexity
	4	Deploying models	Streamlit / Gradio
15-03-2025	1	Hosting models	Hugging Face Spaces / Google Colab
	2	Project Development	Build, test, and integrate with UI
	3	Plan and design a small Generative AI project	textbot, image generator, chatbot, etc.
	4	Presentation & Review	Use APIs or fine-tuned models

No.ofParticipants: 45

DAC

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Coordinator

HOD-IT

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Attendance sheet

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DEPARTMENT OF INFORMATION TECHNOLOGY

A One Week Faculty Development Program on "Revolutionizing Education with Generative AI: Teaching and Learning Strategies" from 10/03/2025 to 15/03/2025

Sl.No	Name of the Faculty	Department	Date: 10/03/2025	Date: 11/03/2025	Date: 12/03/2025	Date: 13/03/2025	Date: 14/03/2025	Date: 15/03/2025
			Signature	Signature	Signature	Signature	Signature	Signature
1	Dr.B Jhansi Vazram	IT	P	P	P	P	P	P
2	Dr.G Syam Prasad	IT	A	P	P	P	P	P
3	Dr.R Sathees Kumar	IT	P	P	P	P	P	P
4	Dr.Y.Ravi Kumar	IT	P	P	P	P	P	P
5	Dr.V Surya Narayana	IT	P	P	P	P	P	P
6	Dr.K.Soma Sekhar	IT	P	P	P	P	P	P
7	Dr.M.Sireesha	IT	P	P	P	P	P	P
8	K.Suresh Babu	IT	P	P	P	P	P	P
9	N.B.S Vijay Kumar	IT	P	P	P	P	P	P
10	P.Santhi	IT	P	P	P	P	P	P
11	U.Vijay Kumar	IT	P	A	P	P	P	P
12	Sk.Mohammed Jany	IT	P	P	P	P	P	P
13	T.Venkata Manohar	IT	A	P	P	P	P	P
14	K.Sireesha	IT	P	P	P	P	P	P
15	P.Neelima	IT	P	P	P	P	P	P
16	K.Jaya Prakash	IT	P	P	A	P	P	P
17	B.Babu	IT	P	P	P	P	P	P

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			Signature	Signature	Signature	Signature	Signature	Signature
18	B.Veera Brahmam	IT	P	P	P	P	P	P
19	P.Vijaya Lakshmi	IT	P	P	P	P	P	P
20	M.Ravindra Babu	IT	P	P	P	A	P	P
21	G.Nagendram	IT	P	P	P	P	A	P
22	M Rama Krishna Reddy	IT	P	P	P	P	P	P
23	Dr.G.Prasanth	CSE	P	P	P	P	P	P
24	Dr. R Ramnath	CSE	P	P	P	P	P	P
25	V. Mahesh Babu	CSE	P	A	P	P	P	P
26	Sd. Rizwana	CSE	P	P	P	P	P	P
27	M. SYAMKUMAR	CSE	A	P	P	P	A	P
28	Sk. Subhani	CSE	P	P	P	P	P	P
29	SK. Gousya Pyari	CSE	P	P	P	P	P	A
30	Sk. Khaja Mohiddin	CSE	P	P	P	P	P	P
31	K. Rambabu	CSE	P	P	P	P	P	A
32	G. Saranya	CSE	P	P	P	P	P	P
33	D. Thabitha	CSE	P	P	P	P	P	P
34	K.John Paul	CSE	P	P	P	A	P	P

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(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

A One Week Faculty Development Program on "Revolutionizing Education with Generative AI: Teaching and Learning Strategies" from 10/03/2025 to 15/03/2025

Sl.No	Name of the Faculty	Department	Date: 10/03/2025	Date: 11/03/2025	Date: 12/03/2025	Date: 13/03/2025	Date: 14/03/2025	Date: 15/03/2025
			Signature	Signature	Signature	Signature	Signature	Signature
35	Y.Sherly	CSE	P	P	P	P	P	P
36	P.Deepthi Sowmya	CSE	P	A	P	P	P	P
37	Papa Rao	MCA	P	P	P	P	P	P
38	Shaik Rasool	MCA	P	P	P	P	A	P
39	B. Dileep Kumar	MCA	P	P	P	P	P	P
40	N. Vijaya Kumar	MCA	P	P	P	P	P	P
41	P. Swathi	MBA	P	P	P	P	P	P
42	Sankuri Deva Raju	MBA	P	P	P	P	P	P
43	D. Venkata Reddy	MBA	P	P	P	P	P	P
44	Neelima	AIML	P	P	P	P	P	P
45	D. Mounika	AIML	P	A	P	P	P	P
	Total No. of Faculty Absebties:		3	4	1	2	3	2

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Program Coordinator

Head of the Department

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Program Report

NARASARAOPETA ENGINEERING COLLEGE
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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 18th March, 2025.

Program Report

Name of the program : A One Week Faculty Development Program on" **Generative AI** "

Date(s) of FDP : 10th March to 15th 2025

Details of the Resource Person(s):

Name : Dheeraj Koganti,
Designation : Partnerships Manager
Organization : Black Bucks
Phone No. : 95029 89869
Mail-id : dheeraj@blackbucks.in

Details of the Co- Ordinator:

Name : Dr. K. Suresh Babu
Designation : Associate Professor, IT Dept.
Organization : Narasaraopet Engineering College
Phone No. : 9052808385
Mail-id :sureshbabu@gmail.com

Objective of the Program:

This FDP is specially designed for Engineering College Teachers and UG Students.

The course aims to achieve the following objectives:

- To create awareness among faculty members about GENERATIVE AI and developing a practical understanding of how generative AI systems work, gaining hands-on experience in building applications, and understanding the ethical implications of technology.
- Where as on the other hand Generative AI refers to unsupervised and semi-supervised machine learning algorithms that enable computers to use existing content like text, audio and video files, images, and even code to create new possible content. The main idea is to generate completely original artifacts that would look like the real deal.
- To use various innovative teaching- learning methods to improve student engagement research trends in the field of modern process and learning outcomes.

Topics Covered:

Introduction to Artificial Intelligence, Image Recognition, Traffic Prediction, Medical Diagnosis, Self Driving Cars.
Introduction to Machine Learning, Supervised Learning, Unsupervised Learning, Semi Supervised Learning Reinforcement Learning, K-Means Clustering, Cross-Validation, Overfitting, Under Fitting.
Introduction to Deep Learning, Fraud detection, Customer service, Predictive analytics, Industrial.
Types of generative models, Overview of GPT models, Deploying models, Hosting models.

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Outcome of the Program:

- Implementing chatbots for customer service and technical support.
- CLIP and GPT-4V models, Stable Diffusion, DALL·E, Midjourney.
- Deploying deepfakes for mimicking people or even specific individuals.
- Improving dubbing for movies and educational content in different languages.
- Writing email responses, dating profiles, resumes and term papers.
- Creating photorealistic art in a particular style.
- Use APIs or fine-tuned models, Hugging Face Spaces / Google Colab.

No.of Participants: 45

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Press Note &Coverage

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DEPARTMENTOF INFORMATION TECHNOLOGY
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Four Times Accredited by NBA & NAAC "A+" Grade ISO 9001: 2015 Certified Institution
Phone: 08647-239912 e-mail: ithod@nrtec.in visit us at : www.nrtec.in

Press Note

ఎన్. ఈ. సి లో "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**" పై ఇంజనీరింగ్ అధ్యా పకులకు 07 రోజుల శిక్షణ తరగతులు ప్రారంభం స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో ఇన్ఫర్మేషన్ టెక్నాలజీ విభాగ ఆధ్వర్యంలో ఇంజనీరింగ్ అధ్యా పకులకు "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్** "పై 07 రోజులు శిక్షణా తరగతులు ప్రారంభించినట్లు కళాశాల వైస్ చైర్మ న్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

శిక్షణ తరగతులు ప్రారంభ కార్యక్రమములో ముఖ్య అతిథులుగా ధీరజ్ కోగంటి, కార్పొరేట్ ట్రైనర్ శిక్షకులుగా వ్యవహరించి అధ్యాపకులకు "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**" కి సంబంధించిన ఇంట్రడక్షన్ టూ ఆర్టిఫిషల్ ఇంటలిజెన్స్, ఇమేజ్ రెకగ్నిషన్, ఫ్రాడ్ డిటెక్షన్ వంటి మొదలగు అంశాలు గురించి వివరించారు.

ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్ డాక్టర్ .స్ .వెంకటేశ్వరులు గారు మాట్లాడుతూ అధ్యా పకులను ఉద్దేశించి ప్రస్తుత సాఫ్ట్వే ర్ ఇంజనీరింగ్ లో "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**" ద్వా రా చాలా ఉద్యో గ అవకాశములు విద్యా ర్థులకు అందించుటకు అధ్యా పకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు కల్పించారని ,అధ్యా పకులకు 07 రోజులు శ్రద్ధగా శిక్షణ తీసుకుని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

ఇన్ఫర్మేషన్ టెక్నాలజీ విభాగ అధిపతి డాక్టర్ బొల్ల జాన్సి వజ్రం గారు మాట్లాడుతూ ,ఈ 07 రోజుల శిక్షణ యందు "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**లో "ఇంప్లిమెంటింగ్ చాటబోట్స్, ఎడ్యుకేషనల్ కంటెంట్ ఇన్ డిఫరెంట్ లాంగుఏజెస్, డిజైనింగ్ యూసర్ ఇంటెర్ఫేసెస్ మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు, మరియు ఈ తరగతులకు ఆంధ్ర మరియు తెలంగాణ రాష్ట్రాల నుండి 45 మంది ఇంజనీరింగ్ అధ్యా పకులు పాల్గొన్నా రు అని తెలిపారు.

ఈ కార్య క్రమంలో కళాశాల చైర్మ న్ మిట్టపల్లి కోటేశ్వ రావు గారు కళాశాలలోని ప్రతి ఒక్క అధ్యా పకులు సంవత్స రంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వా లని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భంగా గుర్తు చేశారు. కళాశాల సెక్రటరీ మెట్ప ల్లి రమేష్ గారు మాట్లాడుతూ, ఈ శిక్షణ తరగతులను నిర్వ హిస్తున్న ఇన్ఫర్మేషన్ టెక్నాలజీ అల్లైడ్ విభాగాలను అభినందించారు.

ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు అధ్యా పకులు పాల్గొన్నా రు.

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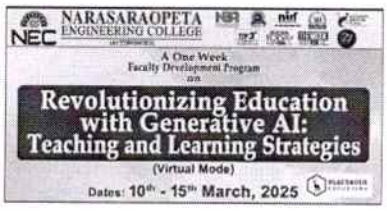
ఆంధ్రప్రభ

నరసరావుపేట ఇంజనీరింగ్ కళాశాల, ఇన్ఫర్మేషన్ టెక్నాలజీ విభాగం నందు ఘనంగా ముగిసిన జెనెరేటివ్ ఐ మిద వర్క్ షాప్



నరసరావుపేట టౌన్: స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో" GENERATIVE AI" మీద ఇన్ఫర్మేషన్ టెక్నాలజీ విభాగం ఆధ్వర్యంలో ఒక వారం రోజుల వర్క్ షాప్ ఘనంగా నిర్వహించబడింది. ఈ వర్క్ షాప్ కు వివిధ రిసోర్స్ పర్సన్ హాజరై టెక్నాలజీస్ మీద ఇంజనీరింగ్ ఉపాధ్యాయులులకు క్షుణ్ణంగా వివరించారు.. ఈ సందర్భంగా విభాగ అధిపతి Dr.B. ఝాన్సీ వజ్రం మరియు కళాశాల చైర్మన్ మిట్టపల్లి కోటేశ్వరరావు గారు, ప్రిన్సిపాల్ డాక్టర్ ఎస్. వెంకటేశ్వర్లు హాజరై అధ్యాపకులు సూచనలు చేసారు.. ఈ కార్యక్రమంలో వివిధ విభాగాలు అధిపతిలు ఉపాధ్యాయులు తదితర సిబ్బంది పాల్గొన్నారు.

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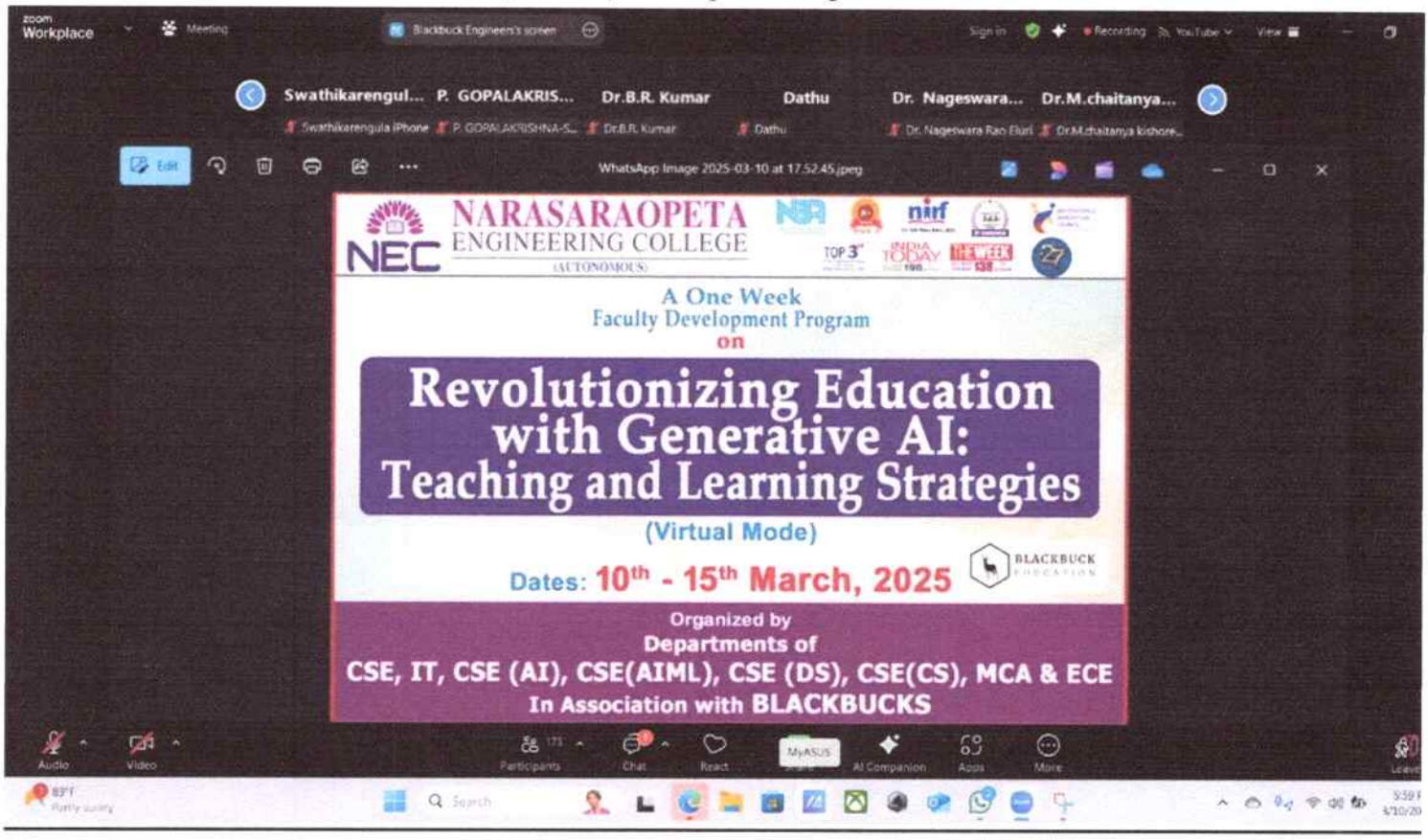
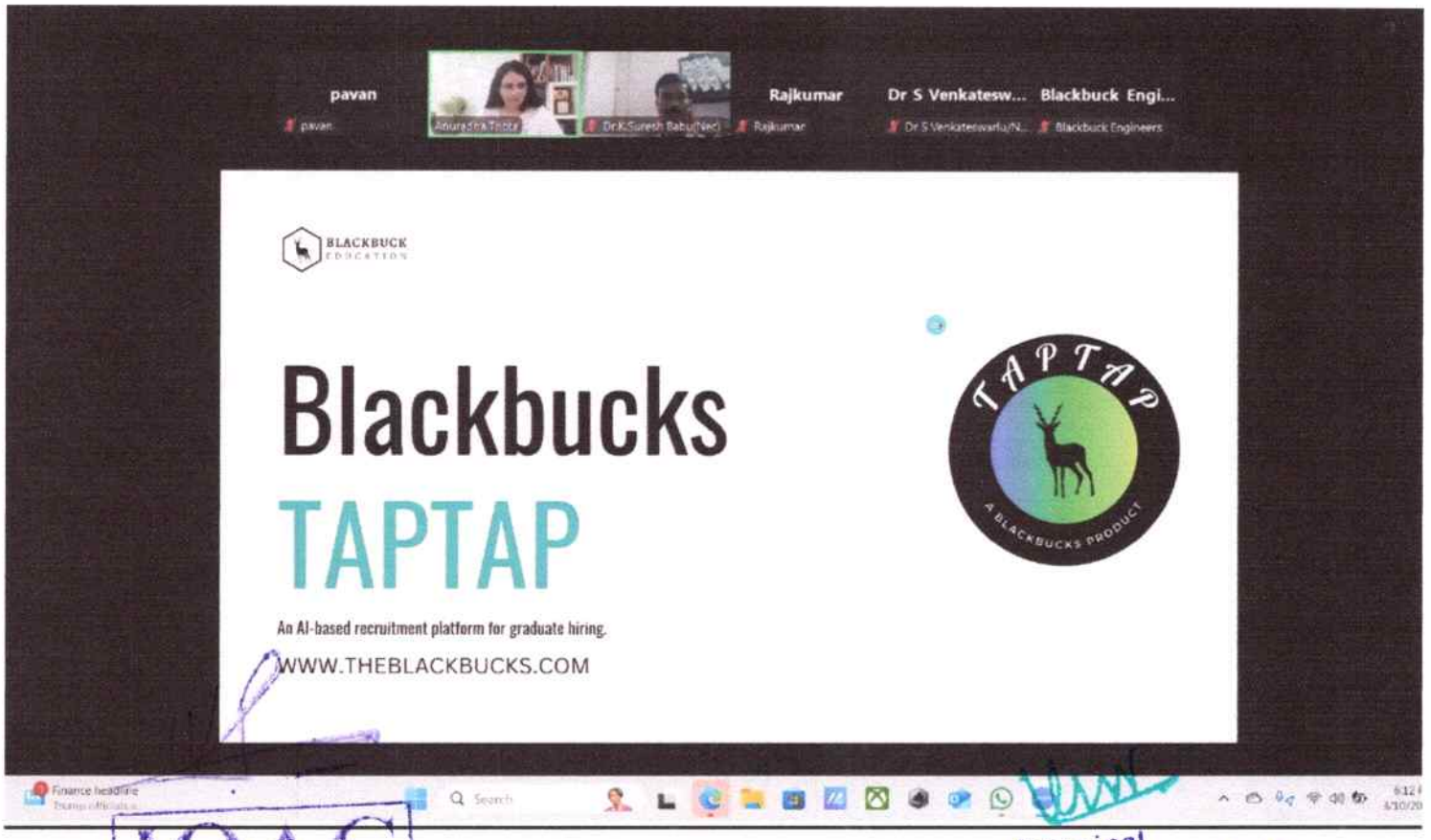
Photos

FDP: A Six Days Faculty Development Program on Generative AI





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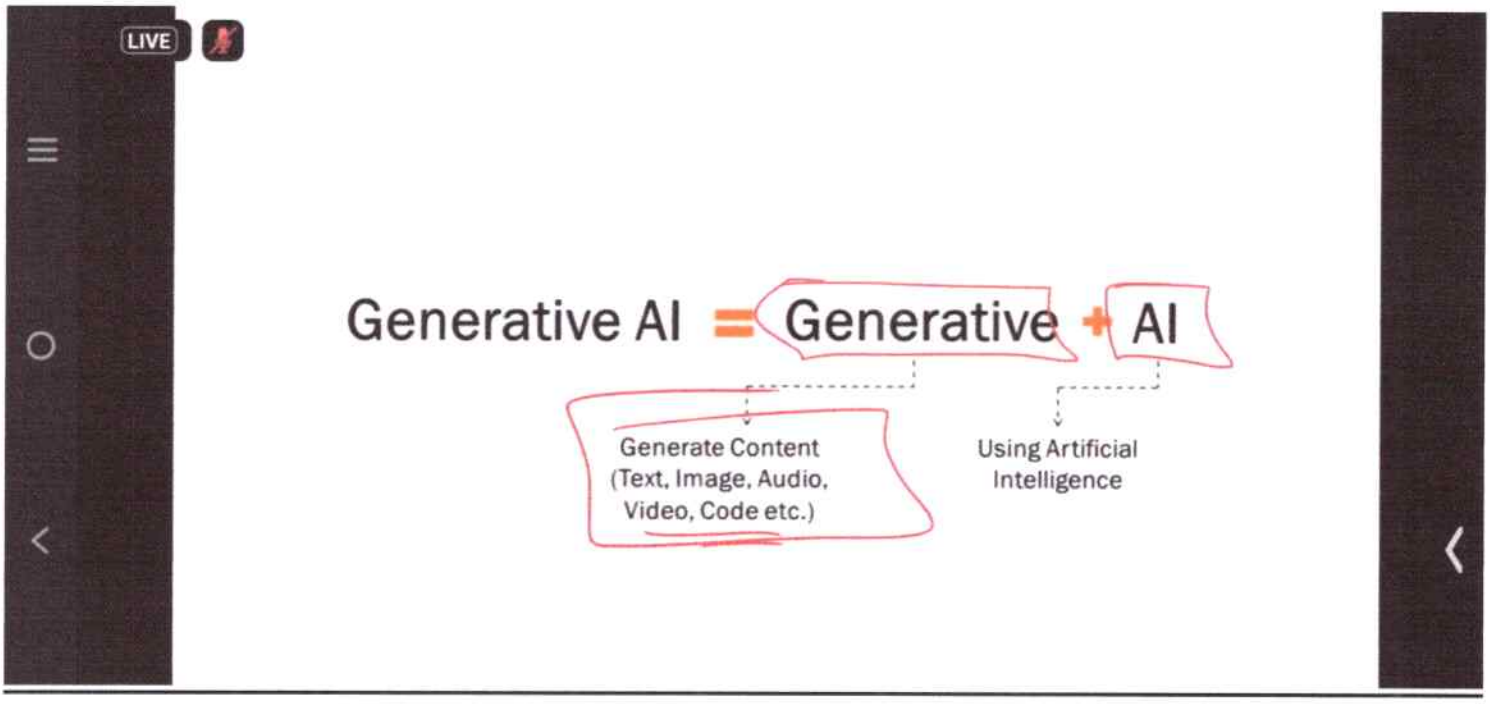

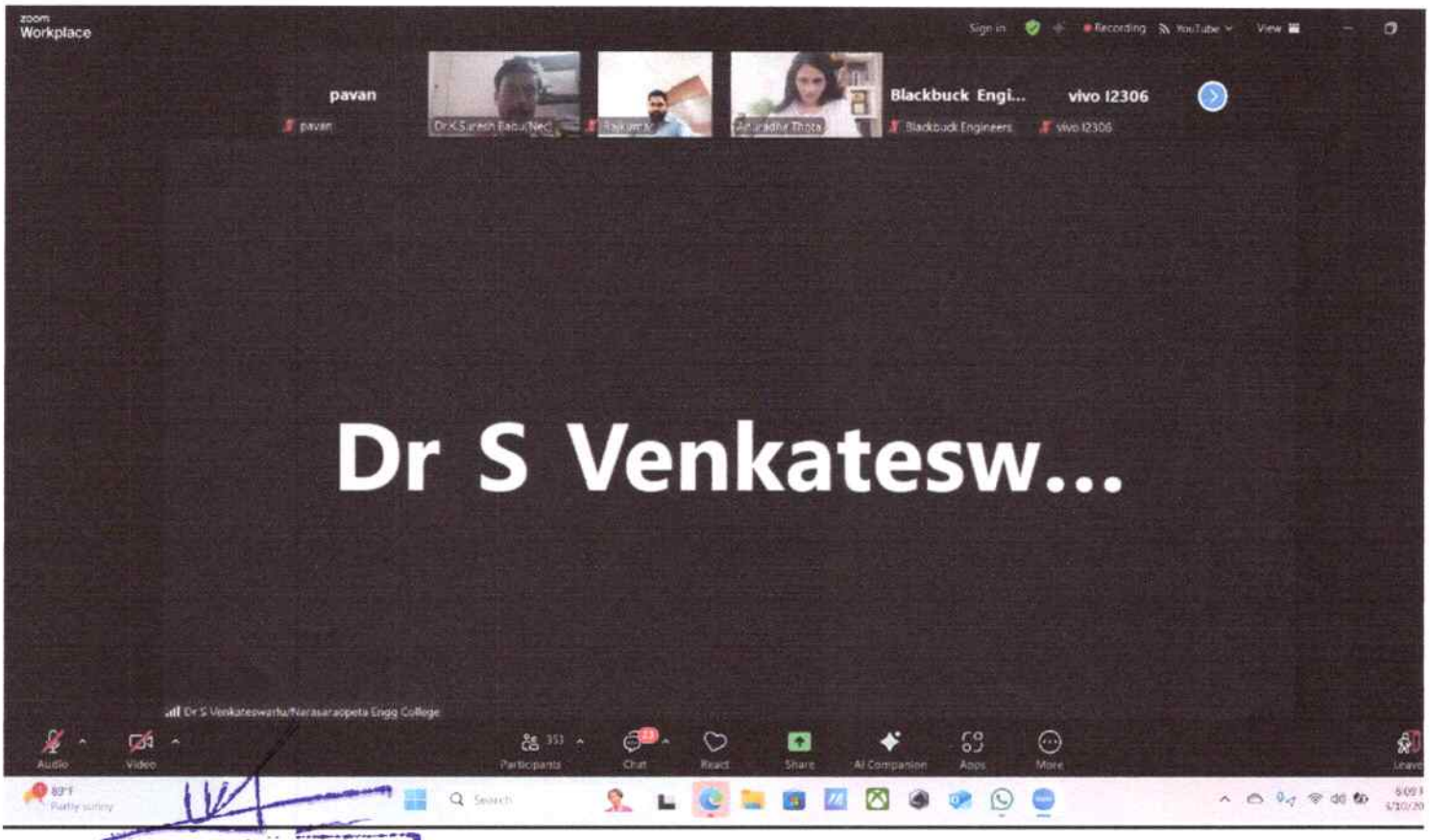

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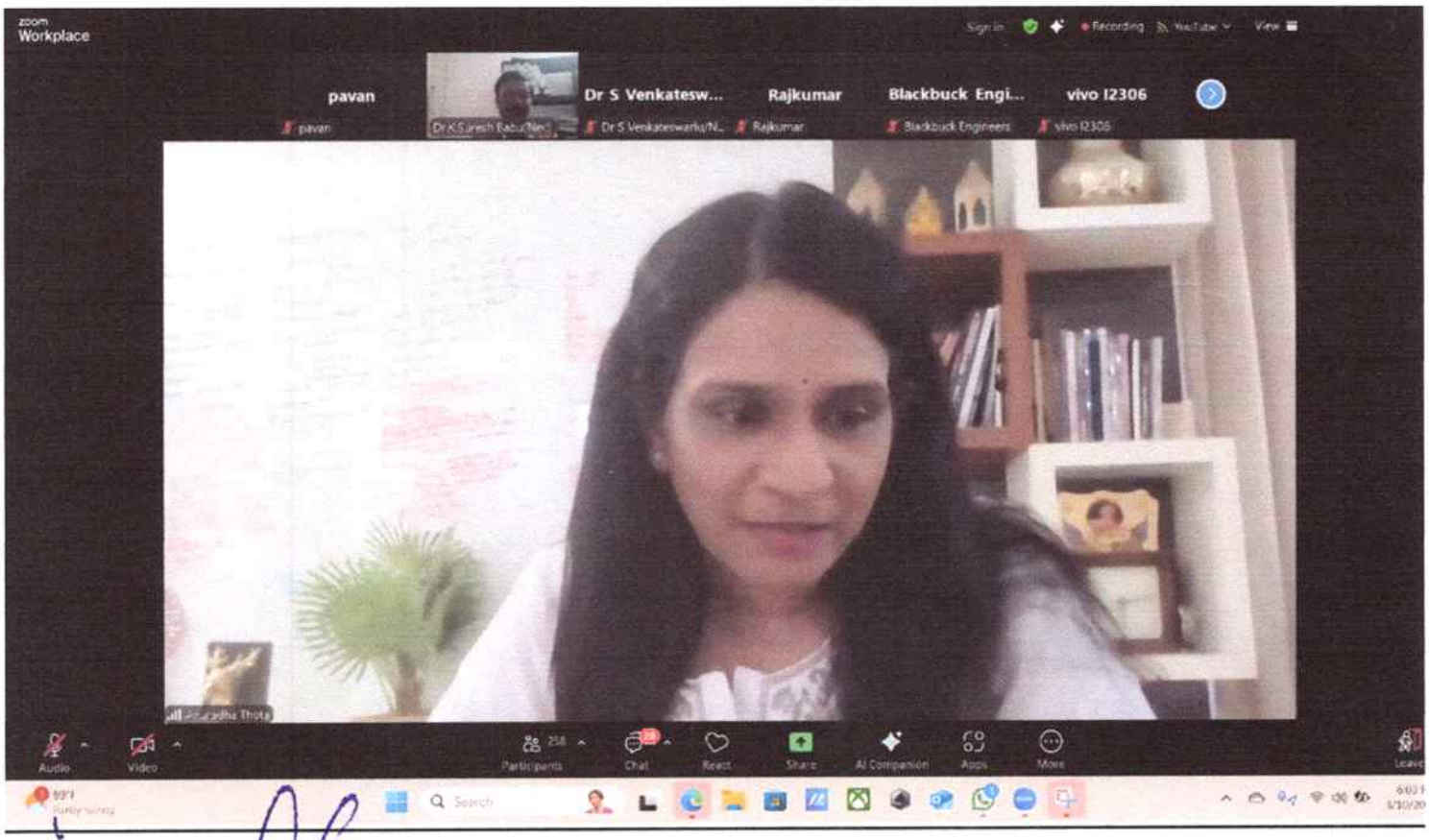

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(AUTONOMOUS)
NARASARAOPET - 522601, Palnadu (Dist.), A.P.

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(AUTONOMOUS)

Sample Certificates

BLACKBUCK EDUCATION

NEC NARASARAOPETA ENGINEERING COLLEGE

CERTIFICATE

Of Participation

THIS CERTIFICATE IS PRESENTED TO

Dr.B Jhansi Vazram

Professor & HOD,Department of Information Technology,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

"Revolutionizing Education with Generative AI: Teaching and Learning Strategies"

held from 10th-15th, March,2025 Organized by the Departments of CSE, IT, CSE(AI), CSE(AI&ML), CSE(DS), CSE(CS), MCA & ECE at Narasaraopeta Engineering College(NEC) in Collaboration with Blackbucks Group

Principal
NARASARAOPET ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET-522601, Palnadu Dist.), A.P

Dr.K.SURESH BABU
Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

IQAC

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

ANURADHA THOTA
Blackbucks Group
MD & CEO

BLACKBUCK EDUCATION

NEC NARASARAOPETA

CERTIFICATE

Of Participation

THIS CERTIFICATE IS PRESENTED TO

Dr. Sk.Mohammed Jany

Associate Professor,Department of Information Technology,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522601, Palnadu (Dist.), A.P.

Dr.K.SURESH BABU
Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

ANURADHA THOTA
Blackbucks Group
MD & CEO

BLACKBUCK EDUCATION

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CERTIFICATE

Of Participation

THIS CERTIFICATE IS PRESENTED TO

T.Venkata Manohar

Assistant Professor,Department of Information Technology,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

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Dr.K.SURESH BABU
Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

ANURADHA THOTA
Blackbucks Group
MD & CEO

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET-522601, Palnadu (Dist.), A.P.

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BLACKBUCK EDUCATION

NEC NARASARAOPETA ENGINEERING COLLEGE

CERTIFICATE

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THIS CERTIFICATE IS PRESENTED TO

U.Vijay Kumar

Assistant Professor,Department of Information Technology,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

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Dr.K.SURESH BABU
Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

IQAC

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

ANURADHA THOTA
Blackbucks Group
MD & CEO

BLACKBUCK EDUCATION

NEC NARASARAOPETA ENGINEERING COLLEGE

CERTIFICATE

Of Participation

THIS CERTIFICATE IS PRESENTED TO

P.Santhi

Assistant Professor,Department of Information Technology,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

"Revolutionizing Education with Generative AI: Teaching and Learning Strategies"

held from 10th-15th, March,2025 Organized by the Departments of CSE, IT, CSE(AI), CSE(AI&ML), CSE(DS), CSE(CS), MCA & ECE at Narasaraopeta Engineering College(NEC) in Collaboration with Blackbucks Group.

Dr.K.SURESH BABU
Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

ANURADHA THOTA
Blackbucks Group
MD & CEO

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

IQAC

BLACKBUCK EDUCATION

NEC NARASARAOPETA ENGINEERING COLLEGE

CERTIFICATE

Of Participation

THIS CERTIFICATE IS PRESENTED TO

P.Neelima

Assistant Professor,Department of Information Technology,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

"Revolutionizing Education with Generative AI: Teaching and Learning Strategies"

held from 10th-15th, March,2025 Organized by the Departments of CSE, IT, CSE(AI), CSE(AI&ML), CSE(DS), CSE(CS), MCA & ECE at Narasaraopeta Engineering College(NEC) in Collaboration with Blackbucks Group

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

Dr.K.SURESH BABU	Dr.S.VENKATESWARLU	ANURADHA THOTA
Narasaraopeta Engineering College(NEC) Coordinator,Dept of CSE	Narasaraopeta Engineering College(NEC) Principal	Blackbucks Group MD & CEO

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BLACKBUCK EDUCATION

NEC NARASARAOPETA ENGINEERING COLLEGE

CERTIFICATE

Of Participation

THIS CERTIFICATE IS PRESENTED TO

P.Vijaya Lakshmi

Assistant Professor,Department of Information Technology,Narasaraopeta Engineering College

for completing the 6-day Faculty Development Program On

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held from 10th-15th, March,2025 Organized by the Departments of CSE, IT, CSE(AI), CSE(AI&ML), CSE(DS), CSE(CS), MCA & ECE at Narasaraopeta Engineering College(NEC) in Collaboration with Blackbucks Group

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

Dr.K.SURESH BABU
Narasaraopeta Engineering College(NEC)
Coordinator,Dept of CSE

IQAC

Dr.S.VENKATESWARLU
Narasaraopeta Engineering College(NEC)
Principal

ANURADHA THOTA
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MD & CEO

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Science, Technology and Innovation for sustainable development

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET
(Approved by AICTE, Affiliated to JNTUK, Kakinada, Accredited by NBA, ISO 9001:2008 Certified Institution)
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601,Guntur District, Andra Pradesh, INDIA
Phone No: 08647 – 239913, 9908740746, Fax No. : 08647-239902
E – mail: nrtec_eee@yahoo.com, & hod.eee@nrtenggcollege.com Website: http://www.nrtenggcollege.com
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 21-01-2025

Circular

A **Five-Day Faculty Development Program (FDP)** on **"Science, Technology, and Innovation for Sustainable Development"** will be conducted from **27th January 2025 to 31st January 2025**.The FDP aims to enhance the knowledge and skills of faculty members in integrating scientific advancements, emerging technologies, and innovative practices to promote sustainable development. The program will focus on key areas such as sustainable technologies, environmental challenges, renewable energy solutions, and innovation-driven development aligned with global sustainability goals promoted by the United Nations.

IQAC Coordinator HoD-EEE Principal

Copy to

1. Chairman, for favour of information
2. Principal
3. AO, for necessary arrangements
4. Department notice board
5. Circulation to all the Staff Members.

Principal
NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522601, Palnadu (Dist.), A.P.

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NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Brochure

A 5-day Short Term Course on

"Science, Technology, and Innovation for Sustainable Development"

On

27th JAN 2025 to 31st JAN 2025

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No.: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

DECLARATION

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

Signature of the Applicant

Date :

Place :

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

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ABOUT THE COLLEGE

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

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

A 5-day Short Term Course on

"Science, Technology, and Innovation for Sustainable Development On

27th JAN 2025 to 31st JAN 2025

In Association
with
NITTTR-Chandigarh

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

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

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

The course aims to provide students with a comprehensive understanding of how science, technology, and innovation contribute to achieving sustainable development. It focuses on developing the ability to apply scientific knowledge and technological solutions to address global challenges such as environmental degradation, climate change, resource depletion, and social inequality.

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The main contents of this course is

Significant Aspects of Research and Development for Sustainable Growth

Optimization Models for Sustainable Development

Electric Vehicles and Future Mobility

Innovative Technologies for Wastewater Management

Watershed Development for Natural Resource Management

Innovative Clean Technology Solutions for Sustainable Manufacturing

RESOURCE PERSONS:

Prof. Rajesh Mehra, NITTTR, Chandigarh.

Dr. Lini Mathew, Professor,
Electrical Engineering Department, NITTTR..

Prof. Meenakshi Sood, NITTTR, Chandigarh

Er. Ajay Kumar Godara,
Ennovate Technologies, Chandigarh.

Prof. S K Gupta, NITTTR, Chandigarh.

Prof. P K Singla, NITTTR, Chandigarh

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.Sk.Md.Shareef
Associate Professor & Head, Dept. of EEE

Coordinator

Mr.P.D.V.S.K.Kishore
Associate Professor, Dept. of EEE

Organizing Committee

G.Naga Raju	Associate Professor
M.Chandra Sekhar	Associate Professor
Sk.Karimulla	Assistant Professor
G.Naveen	Assistant Professor
P.Bravarambavathi	Assistant Professor
P.Ragavarani	Assistant Professor
K.Silpa	Assistant Professor

Principal
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NEC

NARASARAOPETA
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(AUTONOMOUS)

Schedule

National Institute of Technical Teachers Training and Research, Chandigarh

Electrical Engineering Department

ICT based STC (ICT-89)

"Science, Technology and Innovation for Sustainable Development"

27 to 31 January 2025

TIME-TABLE

DAY/DATE	Session - 1 10 AM to 11.30 AM	Session -2 11.30 AM to 1 PM	Session - 3 2.30 PM to 4 PM
Monday **27/1/2025**	Significant Aspects of Research and Development for Sustainable Development (Prof. Poonam Syal)	Optimisation Model for Sustainable Development (Dr. KC Lachhwani, NITTTR, Chandigarh)	Electric Vehicle (Dr. Avik Bhattacharya, Associate Professor, IIT, Roorkee)
Tuesday **28/1/2025**	Technologies and Innovation for Wastewater Management (Prof. Sanjay K Sharma, NITTTR, Chandigarh)	Watershed Development for Natural Resources Management (Dr. Pankaj Panwar, Principal Scientist , ICAR-IISWR, Chandigarh)	Innovative Clean Technology Alternatives for Sustainable Manufacturing (Dr. Ashok Sharma, Chief Executive, Cleantech Foundation, Delhi)
Wednesday **29/1/2025**	Green Building for Sustainability (Arch. Jit Kumar Gupta, Former Director, Director-College of Architecture, IET Bhaddal)	Biofuels for Sustainable Future (Dr. S Srinath, Professor, NIT Warangal)	Practices for Sustainability in Highway Sector (Prof. AK Duggal, NITTTR, Chandigarh)
Thursday **30/1/2025**	Wind Power Generation (Dr. Vineet P Chandra, Deputy Manager-Technology Group, Suzlon Energy Ltd. Pune)	Plant Disease Detection through Deep Learning (Dr. Amit Doegar, NITTTR, Chandigarh)	Technologies and Innovation in Sustainable Construction (Dr. Amit Goyal, NITTTR, Chandigarh)
Friday **31/1/2025**	Smart Grid for Sustainable Environment (Prof. Lini Mathew, NITTTR, Chandigarh)	Green Energy Technologies (Prof. Poonam Syal)	STC Feedback & Valediction (Prof. Poonam Syal)

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Attendance sheet

Attendance Record – Nodal Remote Centre

ICT based STC on **"Science, Technology and Innovation for Sustainable Development" from 27 to 31 Jan 2025** by NITTTR Chandigarh **(ICT-89)**

Name and Address of the Institute / Engineering College / Polytechnic –

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET

(AUTONOMOUS)

S.No	Name of the Participant, Designation, Department	Signature of the participant				
		27.01.25	28.01.25	29.01.25	30.01.25	31.01.25
1	ABDUL KALAM SHAIK ASSOCIATE PROFESSOR, EEE	Kalam	Kalam	Kalam	Kalam	Kalam
2	ANJANEYULU ATKURI ASSISTANT PROFESSOR, EEE					ABSENT
3	ANNAVARAPU SRINIVASA RAO ASST PROFESSOR, EEE					
4	ANNEPAKA RAVEENDRA BABU ASST PROFESSOR, ECE	ARao	ARao	ARao	ARao	ARao
5	ANSAR SHAIK SATULURU ASSOCIATE PROFESSOR, EEE	Ansar	Ansar	Ansar	Ansar	Ansar
6	BADUGU JAYABABU ASSOCIATE PROFESSOR, EEE			ABSENT		
7	BANDARU ANJIBABU ASST.PROF, EEE	Anji	Anji	Anji	ABSENT	Anji
8	BANDARU VIJAYCHANDRA ASSISTANT PROFESSOR, EEE	chandra	chandra	chandra	chandra	chandra
9	CH RAMBABU PROFESSOR, EEE	Rambabu	Rambabu	Rambabu	Rambabu	Rambabu
10	D V S K KISHORE PODILA ASSOC.PROF, EEE					
11	DHUPATI V SRINIVASA RAO ASSISTANT PROFESSOR, EEE					
12	DR B VENKATA SIVA PROFESSOR, MECH.					
13	DR.DHARMAIAH GURRAM ASSOCIATE PROFESSOR, BS&H					
14	R. G. V. PRASANNA ANJANEYULU ASSOC. PROF, EEE	GVP	GVP	GVP	GVP	GVP

Professor and Head of the Department
Electrical and Electronics Engineering
NARASARAOPETA ENGINEERING COLLEGE
Narasaraopet - 522 601, Guntur (Dt.)

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15	DR. Y. LAKSHMAN KUMAR ASSISTANT PROFESSOR, BS&H					
16	DR.A.N.VENKATESWARLU PROFESSOR, EEE					
17	DR.K.SANTHA KUMARI ASST.PROF, BS&H					
18	DR.P.LAKSHMAN NAIK ASSOCIATE PROFESSOR, EEE					
19	DR.PAPISETTI HARIKRISHNAPRASAD PROFESSOR, EEE					
20	G TEJASWI ASSOCIATE PROFESSOR, EEE					
21	GALLA NAGARAJU ASSISTANT PROFESSOR, EEE					
22	GUBBA NAVEEN ASSISTANT PROFESSOR, EEE					
23	I SRIDHAR ASSOCIATE PROFESSOR, MBA					
24	JAGADISH DONEPUDI PROFESSOR, MECH.					ABSENT
25	JHANSI VAZRAM BOLLA PROFESSOR, IT					
26	JYOTHI SUNIL BABU ASSOC.PROF, EEE					
27	KALADHAR GADDALA ASSISTANT PROFESSOR, EEE		ABSENT			
28	KOTI REDDY GOGULAMOODI PRINCIPAL, EEE			ABSENT		
29	KUNDA SILPA ASSISTANT PROFESSOR, EEE					
30	MADAKA CHANDRA SEKHAR ASST PROFESSOR, EEE					
31	METTU GOWTHAMI ASSISTANT PROFESSOR, EEE					
32	NAGARAJU GUNDIMEDA ASSISTANT PROFESSOR, BS&H					
33	NBS VIJAY KUMAR ASSISTANT PROFESSOR, IT					
34	P V NARENDRA KUMAR ASSOCIATE PROFESSOR & HOD, EEE				ABSENT	
35	PARUCHURI RAGHAVA RANI ASSISTANT PROFESSOR, EEE					
36	PRAVEEN KUMAR BATHULA ASSISTANT PROFESSOR, EEE					

Professor & Head of the Department
Electrical and Electronics Engineering
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
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(AUTONOMOUS)
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37	PURNA CHANDRA RAO PODILA ASSOC.PROFESSOR, EEE					
38	PUTLURI BRAMARAMBA VATHI ASSISTANT PROFESSOR, EEE					
39	RAJU KONATHAM ASSISTANT PROFESSOR, EEE					ABSENT
40	SHAIK A JOHNY BEGAM ASSISTANAT PROFESSOR, EEE					
41	SHAIK KARIMULLA ASSISTANT PROFESSOR, EEE					
42	SHAIK MAHAMMAD SHAREEF ASSOC.PROFESSOR, EEE					
43	SHAIK RASULULLA ASSOCIATE PROFESSOR, EEE					
44	SINGAREDDY SARITHA ASSISTANT PROFESSOR, EEE					
45	SK EBRAHEEM KHALEELULLA ASSISTANT PROFESSOR, ECE					
46	UPPALA VIJAY KUMAR ASSISTANT PROFESSOR, IT					
47	VEERAVALLI VENKATA RAO PROFESSOR, ECE					
48	VENKATA LAKSHMAIAH Y ASST PROF, ECE					
49	YAMPARALA NAGENDRAIAH ASSIST. PROFESSOR,EEE					
50	YARAMASU SURIBABU ASSISTANT PROFESSOR, EEE					
51	VENUBABU PASAM ASSIST. PROFESSOR, EEE					
52	MYLA SUSMITHA ASSIST. PROFESSOR, EEE					
53	RAJESH VANAM ASSIST. PROFESSOR, EEE					
54	KISHOR BABU GUNTI PROFESSOR, , EEE					
55	RAMA KRISHNA - Boni ASSIST. PROFESSOR, EEE					
56	NAGALINGACHARY K ASSIST. PROFESSOR, EEE					

Professor and Head of the Department
Electrical and Electronics Engineering
NARASARAOPET ENGINEERING COLLEGE (A)
Narasaraopet - 522 601, Guntur (Dt.)

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

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Program Report

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

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

Date:2.2.2025

PROGRAMME REPORT

Name of the Programme : A Five Day Faculty Development Programme on "Science, Technology, and Innovation for Sustainable Development"

Dates : 27th to 31nd January, 2025

Details of the Resource Persons :

1. Name : Prof. Rajesh Mehra, NITTTR, Chandigarh
   Designation : Professor
   Organization : NITTTR, Chandigarh
   Phone No : 9059789952
   Mail.Id : rajeshmetra@gmail.com

2. Name : **Dr. Lini Mathew,**
   Designation : Professor
   Organization : **NITTTR, Chandigarh**
   Phone No : 9492258640
   Mail.Id : litin@nittr.com

Objective of the programme:

The course aims to provide students with a comprehensive understanding of how science, technology, and innovation contribute to achieving sustainable development. It focuses on developing the ability to apply scientific knowledge and technological solutions to address global challenges such as environmental degradation, climate change, resource depletion, and social inequality the following objectives:

- Understand the role of scientific advancements in sustainable growth

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- Analyze the impact of technology on environmental and societal systems
- Explore innovative solutions for sustainable energy, agriculture, and urban development
- Develop critical thinking and problem-solving skills for real-world sustainability challenges
- Promote responsible innovation aligned with global sustainability goals such as the United Nations Sustainable Development Goals (SDGs).

Topic Covered:

- Significant Aspects of Research and Development for Sustainable Growth
- Optimization Models for Sustainable Development
- Electric Vehicles and Future Mobility
- Innovative Technologies for Wastewater Management
- Watershed Development for Natural Resource Management
- Innovative Clean Technology Solutions for Sustainable Manufacturing
- Green Building Design for Environmental Sustainability

Outcome of the programme:

- Understand the role of science, technology, and innovation in achieving sustainable development goals.
- Integrate sustainability concepts into teaching, research, and curriculum design.
- Apply modern tools, technologies, and innovative methodologies to address environmental and societal challenges.
- Analyze and evaluate sustainable solutions in areas such as renewable energy, smart agriculture, water management, and urban development.
- Enhance research capabilities in emerging areas aligned with the United Nations Sustainable Development Goals (SDGs).

No. of participants: 56

Photo tag line

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Press Note & Coverage

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(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Palnadu Dist., A.P.
(Sponsored by Gayatri Educational Development Society), Narasaraopet.
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Accredited by NBA (CSE, ECE & ME) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.
08647-239904 Visit us at : www.nrtec.in e-mail : principal@nrtec.in

31/1/25

సైన్సెస్, టెక్నికలిటీ మరియు ఇన్నోవేషన్ ద్వారా స్టార్టప్ బుల్ - డెవలప్‌మెంట్ పై 5 రోజుల షార్ట్‌టర్మ్ కోర్సు.

సాంకేతిక సరసరావుపేట ఇంజనీరింగ్ కళాశాలలో ఇ.ఇ.ఇ. డిపార్ట్‌మెంట్ వారు నిర్వహించిన సైన్సెస్, టెక్నికలిటీ మరియు ఇన్నోవేషన్ ఫర్ స్టార్టప్ బుల్ డెవలప్‌మెంట్ అను అంశం పై 5 రోజుల షార్ట్‌టర్మ్ కోర్సు విజయవంతంగా నిర్వహించ బడింది. ఈ కార్యక్రమం 2025 జనవరి 27 నుండి 31 వరకు జరిగింది.

ఈ కార్యక్రమంలో వివిధ కళాశాలల అధ్యాపకులు, పరిశోధకులు మరియు వ్యాపారులు పాల్గొన్నారు. ఈ వర్క్‌షాపులో స్టార్టప్ బుల్ డెవలప్‌మెంట్‌కు సంబంధించిన ఆధునిక సాంకేతికతలు, పరిశోధనలు మరియు ఇన్నోవేషన్ అంశాలపై నిపుణులు విపులంగా అందించారు.

కార్యక్రమం ప్రారంభంలో కళాశాల ప్రిన్సిపల్ డాక్టర్. యస్. వెంకటేశ్వర్లుగారు మాట్లాడుతూ ప్రస్తుత కాలంలో స్టార్టప్ బుల్ డెవలప్‌మెంట్ ఎంతో ముఖ్యమని ఈ తరహా శిక్షణా కార్యక్రమాలు అధ్యాపకులు మరియు విద్యార్థులకు ఎంతో ఉపయోగకరమని తెలిపి చెప్పారు.

ఈ సందర్భంగా ఇ.ఇ.ఇ. విభాగాధిపతి డాక్టర్. యస్. కె. యమ్మేది పరిష్కారం మాట్లాడుతూ వివిధ కళాశాలల నుంచి వచ్చిన 56 మందికి పరిశోధన పత్రాలు అందచేశారు.

ఈ ముగింపు కార్యక్రమంలో కళాశాల వివిధ విభాగాధిపతులు అధ్యాపకులు మరియు ఇంటర్నల్ మరియు ఇ.ఇ.ఇ విభాగం అధ్యాపకులు మరియు నాన్‌టీచింగ్ సిబ్బంది పాల్గొన్నారు.

Principal (Dr.S.Venkateswarlu)
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NARASARAOPET - 522 601, Palnadu (Dist.), A.P.

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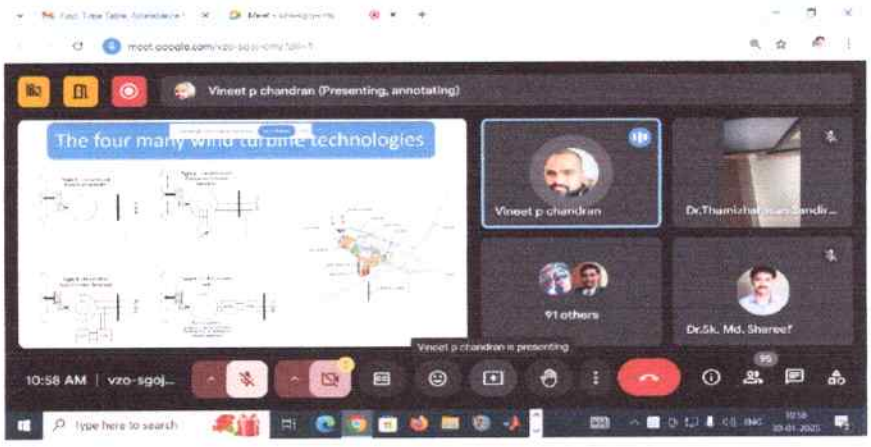
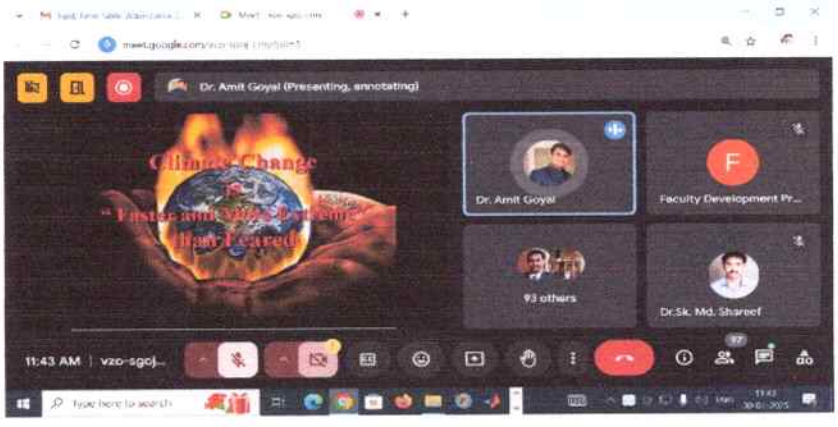
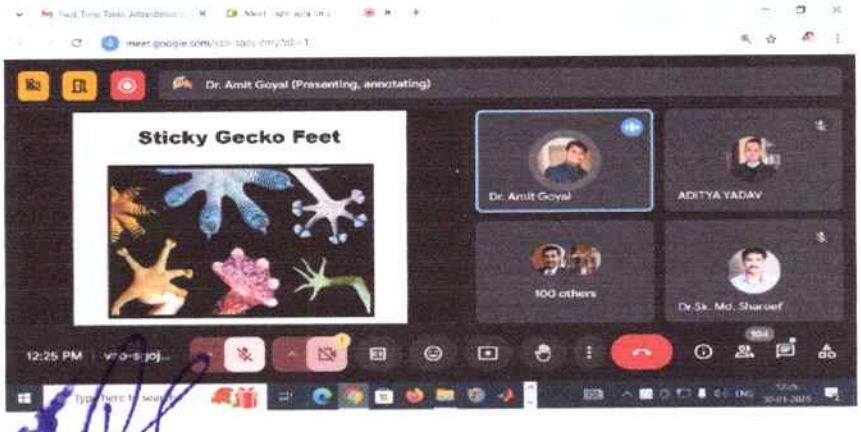
(AUTONOMOUS)

Photos







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Coordinator

HoD

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

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Sample Certificates

Certificate No: ICT-22089/25

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

MADAKA CHANDRA SEKHAR

NARASARAOPETA ENGINEERING COLLEGE, YELLAMANDA
NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Science, Technology and Innovation for Sustainable Development

Conducted by

Electrical Engineering Department

from

27/01/2025 to 31/01/2025 (One Week)

at

Narasaraopete Engineering College, Harasaraopet, Andhra Pradesh

Coordinator

Director

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522601, Palnadu (Dist.), A.P.

IQAC

Certificate No. ICT-22089/25

National Institute of Technical Teachers Training and Research
Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

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SK.KARIMULLA

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NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Science, Technology and Innovation for Sustainable Development

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Narasaraopete Engineering College, Harasaraopet, Andhra Pradesh

Coordinator

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

IQAC

Certificate No: ICT-22467/25

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

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GUBBA NAVEEN

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NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Science, Technology and Innovation for Sustainable Development

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Electrical Engineering Department

from

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Narasaraopeta Engineering College, Narasaraopet, Andhra Pradesh

Coordinator

Director

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National Institute of Technical Teachers Training and Research Chandigarh

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NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Science, Technology and Innovation for Sustainable Development

Conducted by

Electrical Engineering Department

from

27/01/2025 to 31/01/2025 (One Week)

at

Narasaraopeta Engineering College, Narasaraopet, Andhra Pradesh

IQAC

Coordinator

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

Director

Certificate No. ICT-22877/25

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

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PUTLURI BRAMARAMBAVATHI

NARASARAOPETA ENGINEERING COLLEGE, YELLAMANDA
NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Science, Technology and Innovation for Sustainable Development

Conducted by

Electrical Engineering Department

from

27/01/2025 to 31/01/2025 (One Week)

at

Narasaraopeta Engineering College, Narasaraopet, Andhra Pradesh

Coordinator

Director

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NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET-522601, Palnadu (Dist.), A.P.

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P RAGHAVA RANI

NARASARAOPETA ENGINEERING COLLEGE, YELLAMANDA

NARASARAOPET

ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Science, Technology and Innovation for Sustainable Development

Conducted by

Electrical Engineering Department

from

27/01/2025 to 31/01/2025 (One Week)

at

Narasaraopeta Engineering College, Narasaraopet, Andhra Pradesh

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

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Certificate No: ICT-22444/25

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SHAIK MAHAMMAD SHAREEF

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ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Science, Technology and Innovation for Sustainable Development

Conducted by

Electrical Engineering Department

from

27/01/2025 to 31/01/2025 (One Week)

at

Narasaraopeta Engineering College, Narasaraopet, Andhra Pradesh

PByal

Coordinator

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(AUTONOMOUS)
NARASARAOPET, Palnadu (Dist.), A.P.

Director

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Outcome based Assessment in Psychomotor and affective domain in NEP context

NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date: 19-09-2024

CIRCULAR

All the Faculty are here by informed that the Department of Master Of Computer Applications is going to organize A One Week Faculty Development Program On "Outcome Based Assessment in Psychomotor and Affective Domain in NEP Context'' during 23rd - 27th September,2024 in association with NITTTR Bhopal. All the registered Faculty are informed to attend the program without fail.

Venue : Computer Lab (1206), Block-1, Narasaraopeta Engineering College

Coordinator's : B.N.V.Udaya Lakshmi
Asst.Professor in MCA Dept.

IQAC **HOD** **PRINCIPAL**

Copy to:

1. Chairman for Favor of Information
2. Principal
3. AO for Necessary arrangements
4. Department Notice Boards
5. Circulation to all Staff Members
6. All HOD's

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

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Brochure

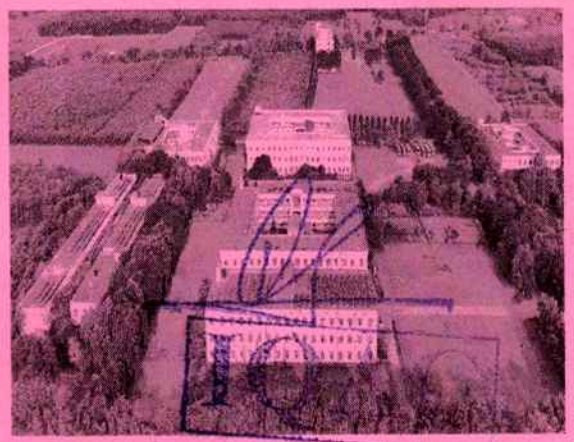
Course Content:

- Philosophy of Outcome Based Education
- Importance of NEP 2020
- Concept of Programme outcomes & Programme specific outcomes
- Domains of Learning
- Concept and process of formulating Course outcomes (COs)
- Tools and techniques of outcome-based assessment
- Concepts of Rubrics
- Assessment of projects, seminars, industrial training and laboratory work
- .

For Any Queries Contact:

B.N.V.Udaya Lakshmi, **Coordinator.**

Mobile No: 9502387955



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 ECE, CSE and ME departments were Accredited by NBA under Tier 1. NEC accorded 'AUTONOMOUS' status since 2016 and valid upto 2032.

NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2024, 201-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 3 rd Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2024. INDIA TODAY Ranked NEC as 183 among Private Engineering Colleges in India for the year 2023. THE WEEK Magazine also ranked NEC as 14 among Private Engineering Colleges in AP for the year 2023. Careers 360 ranked NEC with AAA+ Grade for the year 2024. The college has approved research centres by JNTUK, Kakinada in CSE, ECE and Mechanical Engineering Depts. The college has launched Incubation Centre where the students can implement their ideas. NEC got approved for "NIDHI Technology Business Incubator" by Dept of Science & Technology, New Delhi. NEC received grant for establishment of IP facilitation centre (IPFC) in association with the Ministry of MSME, Govt. of India. The college has signed 70+ MoUs with reputed industries and International & National organizations like IES and the Swiss innovation powerhouse, Factor-Y (for innovation and entrepreneurial support), Red Hat Academy, Efftronics Systems Pvt. Ltd, Byte XL , New Mexico State University (NMSU), New Mexico, USA, TiE Hyderabad, Edu Skills etc. NEC is recipient of IBM Watsonx Generative AI Faculty Award of worth $10,000 USD. Our institute has academic partnership with WIPRO through their ELITE program, TalentNext. Also empanelled with BOSCH as training partner under "BRIDGE" Programme. The college offers Eight M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches EEE, CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME andCIVIL.

The college has well equipped laboratories and computers. The college has well experienced and dedicated faculty out of which 72 faculty hold Doctorate Degrees while 78+ patents and 416+ Publications (over last five years), 36 Books were onto the credit of faculty. The college has AP CM's Excellence centre. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC, Germany. Dassault Systems Lab is established to provide access to the students on most advanced courses by industry giants. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport.

A ONE WEEK

Faculty Development Program

on

"Outcome Based Assessment in Psychomotor and Affective Domain in NEP Context"

During

23th – 27th September- 2024

In association with

TEAMING TOGETHER
NITTTR
CHANDIGARH

Organized by

IQAC & Department of Master of Computer Applications

NEC NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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

(Sponsored by Gayatri Educational Development Society), Narasaraopet.

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

Accredited by NBA (Tier-1) - CSE, ECE, ME & NAAC "A+" Grade.

Code: 47, NIRF: 2022 (251-300 Band) & ISO 9001:2015 Certified Institution.

Phone : 08647-239523

E-Mail : mechhod@nrtec.in

Website : www.nrtec.in

: https://www.facebook.com/nrtengcollege

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

ABOUT THE DEPARTMENT

. The Department of Computer Applications educates students in an advanced discipline on which relies the entire IT industry. Students are taught advanced programming, computational mathematics, computing technology, and more in an application-oriented manner. Our course prepares students for the industry.

Established in 2002, the Department of Computer Applications offers a postgraduate programme (Master of Computer Applications). We provide students with application-oriented knowledge and problem-solving skills in computers, which can also be used in management, engineering, and sciences.

The MCA department is equipped with state-of-the-art fully air-conditioned computer laboratories. All the computer systems in the lab are connected to powerful HP servers through Gigabit LAN. 100 mbps internet connection is available for all the systems in the lab for students.

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The labs are equipped with genuine software applications, an LCD projector lab sessions and

OBJECTIVES OF THE FDP

- ✓ Explain the importance of outcome based learning and assessment
- ✓ Appreciate need of NEP 2020
- ✓ Formulate Course outcomes in Psychomotor and Affective domain
- ✓ Develop Tools to assess workshop and Laboratory work
- ✓ Develop tools to assess Industrial training
- ✓ Develop tools to assess Project work

COURSE COORDINATOR:

Dr. A.S. Rocha
NITTTR-BHOPAL.

Guidelines:

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

Registration:

- ❖ UG/PG students in Engineering and Applied Sciences.
- ❖ Any Faculty in thrust of knowledge.
- ❖ Participants are restricted to 50 and will be selected on first come first serve basis.
- ❖ Registration link:

https://tinyurl.com/NEC-ME-FDP-3D&4D PRINTING

No Registration Fee

Chief Patron

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

Patrons

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

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

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

Convener

Dr. Lakshmi Nadh, MTech. ,Ph.D.
Professor, HOD, Dept. of MCA

Coordinators

ORGANIZING COMMITTEE

Mr Sai Yaswanth
Miss Yoga Chandana
Mrs.A Aruna Kumari
Mr. G. Sai Krishna
Miss D Lakshmi Dheeraja

Principal
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(AUTONOMOUS)

Schedule

National Institute of Technical Teachers Training and Research, Bhopal

Department of Master of Computer Applications

Tentative Programme Schedule from 23rd -27th September 2024

Day	Session I 10.00 - 11.30	Session II 11.45-1.15	Session III 2.15-3.45	Session IV 4.00- 5.30
I	• Registration • Inauguration • Programme brief • Expectations **ASR/AR**	Outcome Based Education: Outcome based Curriculum and assessment **ASR**	NEP 2020 Importance in OBE and Assesment AR	**Task 1** **AR**
II	Concept of Programme outcomes& Programme specific outcomes AR	• Domains of Learning, **AR**	Concept and process of formulating Course outcomes in Affective domain (COs) **ASR**	Task -2: Formulate Cos in Affective domain **ASR**
III	Formulating Course outcomes in psychomotor domain (COs) **AR**	Task -3 Formulate Cos in psychomotor domain **AR**	Tools and techniques of outcome-based Assessment **ASR**	• Characteristics of Assessment systems • Assessment of Higher order Thinking Skills • **ASR**
IV	Rubrics as assessment tool, Develop a Rubric to assessthe performance of students. **ASR**	Task -3: Develop a sample Rubric to assess Projects and industrial training **ASR**	Assessment of seminars, and laboratory work using Rubrics **AR**	Task -4: Develop a sampleRubric to assess laboratory work **AR**
V	Consolidation of Tasks and submission of Portfolio Open session **AR/ASR**	**Presentation Of implementation Plan** **AR/ASR**	Achievement Test ASR/AR	Summarization of learning, Valedictory

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Attendance sheet

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMET OF MASTER OF COMPUTER APPLICATIONS

A One Week Faculty Development Program on

Outcome Based Assessment in Psychomotor and Affective Domain in NEP Context

NITTTR BHOPAL

List of participants:

S.NO	Faculty name	Designation	Signature
1	Dr.K.LakshmiNadh	Professor	
2	M.Sai Yaswanth	Asst.Professor	
3	B.N.V.Udaya Lakshmi	Asst.Professor	
4	N.Yoga Chandana	Asst.Professor	
5	D.Lakshmi Dheeraja	Asst.Professor	
6	G.Sai Krishna	Asst.Professor	
7	A.Aruna Kumari	Asst.Professor	
8	G.Ravi Purna Chandrarao	Asst.Professor	
9	Sd.J.Saida	Asst.Professor	

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(AUTONOMOUS)

Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Department of Master of Computer Applications

Program Report

Date: 29-09-2026

Name of the Program: Outcome Based Assessment in Psychomotor and Affective Domain in NEP Context

Date: **23-27th Sept 2024**

Details of Resource Person: Dr. A.S. Rocha Professor Extension Centre (NITTTRI),Goa
asrocha@nitttrbpl.ac.in
Dr. Anju Rawlley Professor Department of Curriculum Development and Assessment Education could you please explain these professor

Course Co-ordinators: Dr Alan Sanjay Rocha Professor and Goa State Coordinator, NITTTR Extension Centre, Goa.
Email: asrocha@nitttrbpl.ac.in

Objectives of Programme:

The Course aims to achieve the followers:

The participants of the training programme will be able to:

- ✓ Explain the importance of outcome based learning and assessment
- ✓ Appreciate need of NEP 2020
- ✓ Formulate Course outcomes in Psychomotor and Affective domain
- ✓ Develop Tools to assess workshop and Laboratory work
- ✓ Develop tools to assess Industrial training
- ✓ Develop tools to assess Project work

Topics covered:

- Philosophy of Outcome Based Education
- Importance of NEP 2020
- Concept of Programme outcomes & Programme specific outcomes

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- Domains of Learning
- Concept and process of formulating Course outcomes (COs)
- Tools and techniques of outcome-based assessment
- Concepts of Rubrics
- Assessment of projects, seminars, industrial training and laboratory work

Outcome of the Programme

- ✔ In-depth understanding of Outcome Based Assessment
- ✔ Applications of Assessment Tools for learning in different Domains
- ✔ Strategies for effectiveness of Outcome Based assessment
- ✔ Develop Rubrics for practical skills assessment in Psychomotor domain
- ✔ Develop Rubrics for affective skills assessment in Affective domain
- ✔ Discuss practical strategies for integrating OBA into current teaching practices aligned with NEP's goals.

. **List of participants: 8**

B. N. V. Udaya Lakshmi
Co-ordinator

HOD -MCA

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Press Note & Coverage

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Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.
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08647-239903 Visit us at : www.nrtec.in e-mail : principal@nrtec.in

EXCELLENCE 28 YEARS ESTD 1998

press note

29-09-2024

ఎన్. ఈ. సి. లో NITTR Bhopal సౌజన్యంతో "Outcome Based Assessment in psychomotor and Affective Domain" పై మూడు రోజుల అధ్యాపక శిక్షణ శిబిరం

స్థానిక సంస్థలతో పాటు ఇంజనీరింగ్ కళాశాల మెకానికల్ ఇంజనీరింగ్ విభాగం అధ్యాపకుల నైపుణ్యాభివృద్ధి అత్యవసరాల దృష్ట్యా భోపాల్ (NITTR), Bhopal, అధ్యాపక శిక్షణ పరివార్క్ష్యలో "Outcome Based Assessment in psychomotor and Affective Domains in NEP Context" అనే అంశంపై 5 రోజుల ఈ ప్రత్యేక కార్యక్రమం విజయవంతంగా నిర్వహించబడింది.

ఈ కార్యక్రమం 2024 సెప్టెంబర్ 23 నుండి 27 వ తేది వరకు గురువుల మరియు వారిలోని అనేకమైన విద్యార్థులు పరిశీలించి. కొత్తగా వచ్చిన విధానాలు, మార్పులు చేయడంలో వారిలోని విద్యార్థుల నైపుణ్యాలు, జ్ఞానాలు, అభిరుచులు మరియు విలువలు అంచనా వేయడానికి ఉపయోగపడే పద్ధతులు అనుభవాల మదింపు విధానాలపై అధ్యాపకులకు అవగాహన కల్పించడం ఈ శిక్షణ ముఖ్య ఉద్దేశం.

ఈ కార్యక్రమానికి ముఖ్య వక్తలుగా విచ్చేసిన NITTR భోపాల్ నుండి వచ్చిన సీనియర్ ప్రొఫెసర్ డా. ఎ.కె.సింగ్, అసిస్టెంట్ ప్రొఫెసర్ డా. అంజు రాణి మరియు కళాశాల పూర్వ విద్యార్థి అయిన ప్రస్తుతం ప్రొఫెసర్ డా. అంజి రాణి గారు వారి అనుభవాలను పంచుకుంటూ సైకోమోటార్ డొమైన్, అంటే ప్రాక్టికల్ నైపుణ్యాలు, అఫెక్టివ్ డొమైన్, అంటే వైఖరులు, విలువలు వంటి అంశాలను ఎలా మదింపు చేయాలో ఆచరణాత్మకంగా వివరించారు.

IQAC

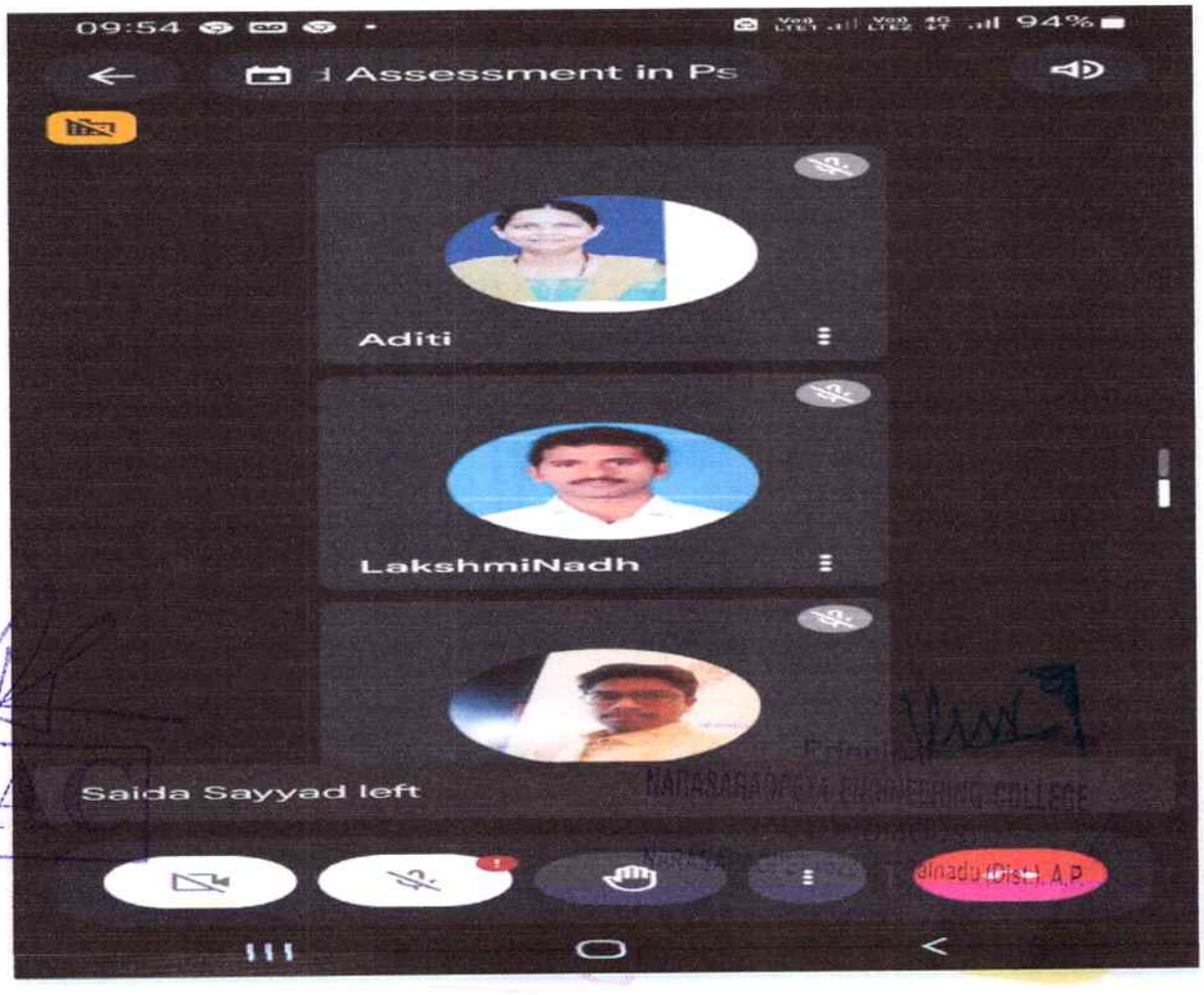
Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601, Palnadu (Dist.), A.P.

PROFESSOR & HEAD
Dept. of Master of Computer Applications
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601.

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Photos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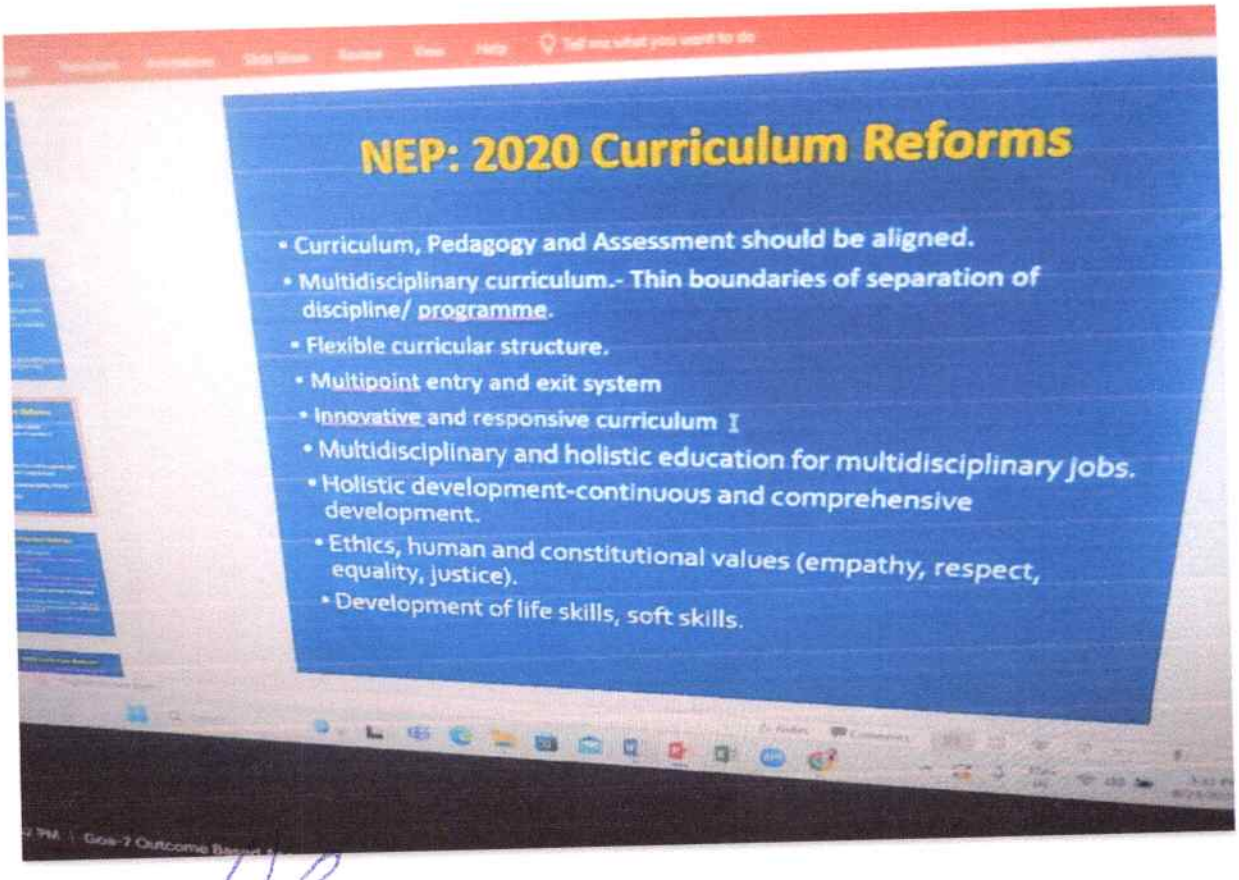
LakshmiNadh
Saida Sayyad left

IQA



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NEC

NARASARAOPETA
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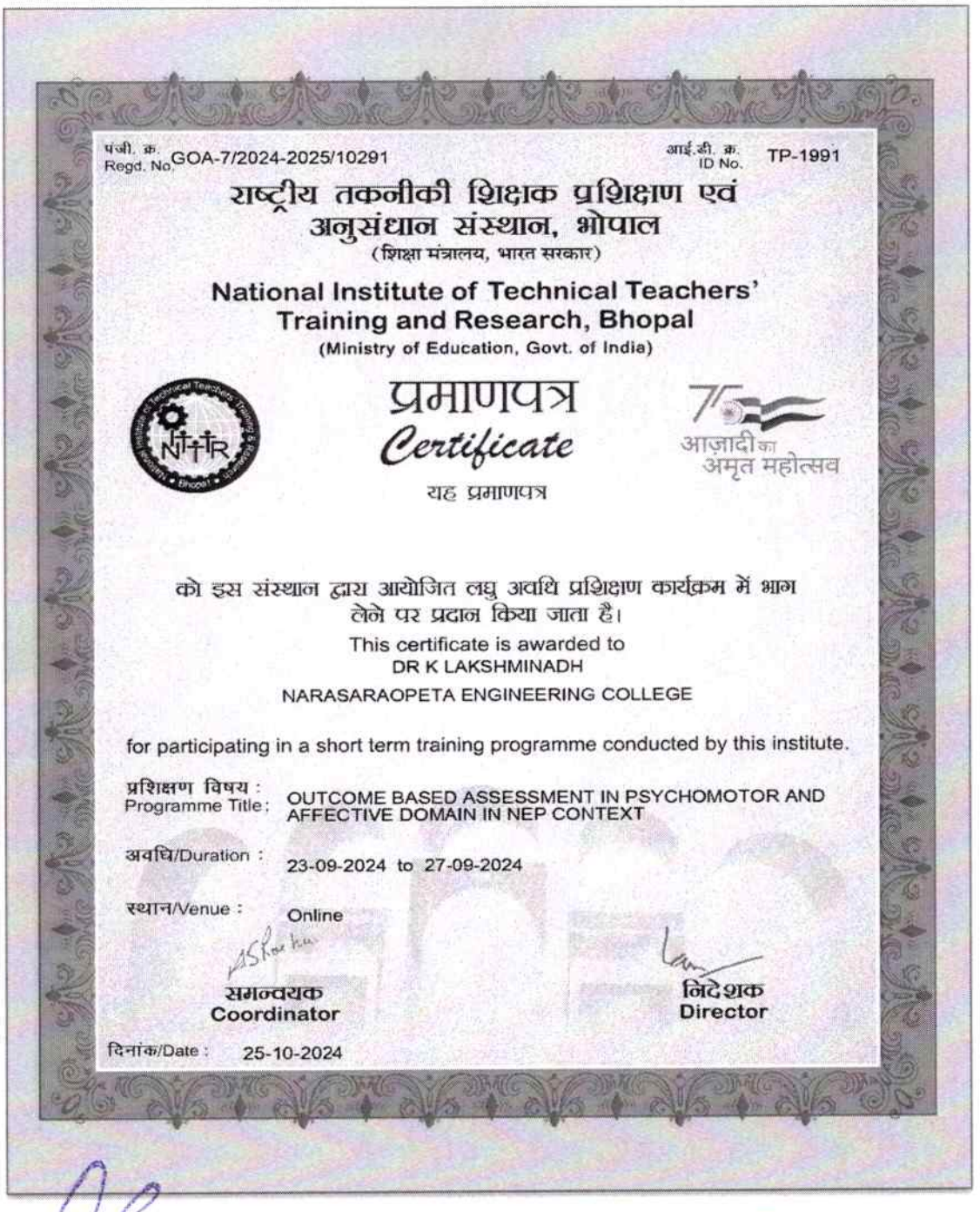
(AUTONOMOUS)

Sample Certificates

Sample Certificates:



पंजी. क्र.
Regd. No. GOA-7/2024-2025/10291

आई.डी. क्र.
ID No. TP-1991

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं
अनुसंधान संस्थान, भोपाल
(शिक्षा मंत्रालय, भारत सरकार)

National Institute of Technical Teachers'
Training and Research, Bhopal
(Ministry of Education, Govt. of India)

प्रमाणपत्र
Certificate

आज़ादी का अमृत महोत्सव

यह प्रमाणपत्र

को इस संस्थान द्वारा आयोजित लघु अवधि प्रशिक्षण कार्यक्रम में भाग लेने पर प्रदान किया जाता है।

This certificate is awarded to
DR K LAKSHMINADH
NARASARAOPETA ENGINEERING COLLEGE

for participating in a short term training programme conducted by this institute.

प्रशिक्षण विषय :
Programme Title : OUTCOME BASED ASSESSMENT IN PSYCHOMOTOR AND AFFECTIVE DOMAIN IN NEP CONTEXT

अवधि/Duration : 23-09-2024 to 27-09-2024

स्थान/Venue : Online

समन्वयक
Coordinator

निदेशक
Director

दिनांक/Date : 25-10-2024

IQAC

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

पंजी. क्र.
Regd. No. GOA-7/2024-2025/10297

आई.डी. क्र.
ID No. TP-2016

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, भोपाल

(शिक्षा मंत्रालय, भारत सरकार)

National Institute of Technical Teachers' Training and Research, Bhopal

(Ministry of Education, Govt. of India)

प्रमाणपत्र
Certificate

आज़ादी का अमृत महोत्सव

यह प्रमाणपत्र

को इस संस्थान द्वारा आयोजित लघु अवधि प्रशिक्षण कार्यक्रम में भाग लेने पर प्रदान किया जाता है।

This certificate is awarded to

B N V UDAYA LAKSHMI

NARASARAOPETA ENGINEERING COLLEGE

for participating in a short term training programme conducted by this institute.

प्रशिक्षण विषय :
Programme Title : OUTCOME BASED ASSESSMENT IN PSYCHOMOTOR AND AFFECTIVE DOMAIN IN NEP CONTEXT

अवधि/Duration : 23-09-2024 to 27-09-2024

स्थान/Venue : Online

समन्वयक
Coordinator

निदेशक
Director

दिनांक/Date : 25-10-2024

IQAC

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

पंजी. क्र.
Regd. No. GOA-7/2024-2025/10298

आई.डी. क्र.
ID No. TP-1995

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, भोपाल

(शिक्षा मंत्रालय, भारत सरकार)

National Institute of Technical Teachers' Training and Research, Bhopal

(Ministry of Education, Govt. of India)

प्रमाणपत्र

Certificate

आज़ादी का अमृत महोत्सव

यह प्रमाणपत्र

को इस संस्थान द्वारा आयोजित लघु अवधि प्रशिक्षण कार्यक्रम में भाग लेने पर प्रदान किया जाता है।

This certificate is awarded to

GOLLAPATI SAI KRISHNA

NARASARAOPETA ENGINEERING COLLEGE

for participating in a short term training programme conducted by this institute.

प्रशिक्षण विषय :
Programme Title : OUTCOME BASED ASSESSMENT IN PSYCHOMOTOR AND AFFECTIVE DOMAIN IN NEP CONTEXT

अवधि/Duration : 23-09-2024 to 27-09-2024

स्थान/Venue : Online

समन्वयक
Coordinator

निदेशक
Director

दिनांक/Date : 25-10-2024

IQAC

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

पंजी. क्र. Regd. No. GOA-7/2024-2025/10294

आई.डी. क्र. ID No. TP-1987

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, भोपाल

(शिक्षा मंत्रालय, भारत सरकार)

National Institute of Technical Teachers' Training and Research, Bhopal

(Ministry of Education, Govt. of India)

प्रमाणपत्र

Certificate

आज़ादी का अमृत महोत्सव

यह प्रमाणपत्र

को इस संस्थान द्वारा आयोजित लघु अवधि प्रशिक्षण कार्यक्रम में भाग लेने पर प्रदान किया जाता है।

This certificate is awarded to

NARISETI YOGACHANDANA

NARASARAOPETA ENGINEERING COLLEGE(AUTONOMOUS)

for participating in a short term training programme conducted by this institute.

प्रशिक्षण विषय : Programme Title : OUTCOME BASED ASSESSMENT IN PSYCHOMOTOR AND AFFECTIVE DOMAIN IN NEP CONTEXT

अवधि/Duration : 23-09-2024 to 27-09-2024

स्थान/Venue : Online

समन्वयक
Coordinator

निदेशक
Director

दिनांक/Date : 25-10-2024

QAC

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

पंजी. क्र.
Regd. No. GOA-7/2024-2025/10295

आई.डी. क्र.
ID No. TP-1999

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, भोपाल

(शिक्षा मंत्रालय, भारत सरकार)

National Institute of Technical Teachers' Training and Research, Bhopal

(Ministry of Education, Govt. of India)

प्रमाणपत्र
Certificate

आज़ादी का अमृत महोत्सव

यह प्रमाणपत्र

को इस संस्थान द्वारा आयोजित लघु अवधि प्रशिक्षण कार्यक्रम में भाग लेने पर प्रदान किया जाता है।

This certificate is awarded to

DARAM LAKSHMI DHEERAJA

NARASARAOPETA ENGINEERING COLLEGE(AUTONOMOUS)

for participating in a short term training programme conducted by this institute.

प्रशिक्षण विषय :
Programme Title : **OUTCOME BASED ASSESSMENT IN PSYCHOMOTOR AND AFFECTIVE DOMAIN IN NEP CONTEXT**

अवधि/Duration : **23-09-2024 to 27-09-2024**

स्थान/Venue : **Online**

समन्वयक
Coordinator

निदेशक
Director

दिनांक/Date : **25-10-2024**

IQAC

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

पंजी. क्र. Regd. No. GOA-7/2024-2025/10340

आई.डी. क्र. ID No. TP-1986

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, भोपाल

(शिक्षा मंत्रालय, भारत सरकार)

National Institute of Technical Teachers' Training and Research, Bhopal

(Ministry of Education, Govt. of India)

प्रमाणपत्र

Certificate

आज़ादी का अमृत महोत्सव

यह प्रमाणपत्र

को इस संस्थान द्वारा आयोजित लघु अवधि प्रशिक्षण कार्यक्रम में भाग लेने पर प्रदान किया जाता है।

This certificate is awarded to

A ARUNA KUMARI

NARASARAOPET ENGINEERING COLLEGE

for participating in a short term training programme conducted by this institute.

प्रशिक्षण विषय : Programme Title : OUTCOME BASED ASSESSMENT IN PSYCHOMOTOR AND AFFECTIVE DOMAIN IN NEP CONTEXT

अवधि/Duration : 23-09-2024 to 27-09-2024

स्थान/Venue : Online

समन्वयक Coordinator

निदेशक Director

दिनांक/Date : 25-10-2024

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

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Machine Learning with Python

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Department of Mechanical Engineering

Date: 05-09-2024

Circular

IQAC & Department of Mechanical Engineering is organizing A one Week Faculty Development Program on "Machine Learning with Python" in association with ICT Academy Hyderabad from 09-09-2024 to 14-09-2024 for Faculty. Request all the faculty members are to attend.

Program Convenor:

Dr. M.Venkanna Babu (venkannababu.mendi@gmail.com, 9985808908)

Mr. M.Mothilal Naik (swamimothi@gmail.com, 8977119366)

IQAC HOD-ME PRINCIPAL

Copy to

1. Chairman for Favour of information
2. Principal
3. IQAC
4. AO for making necessary arrangement
5. Department Notice Boards
6. Circulation to all Staff Members
7. All HOD's

IQAC

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

NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

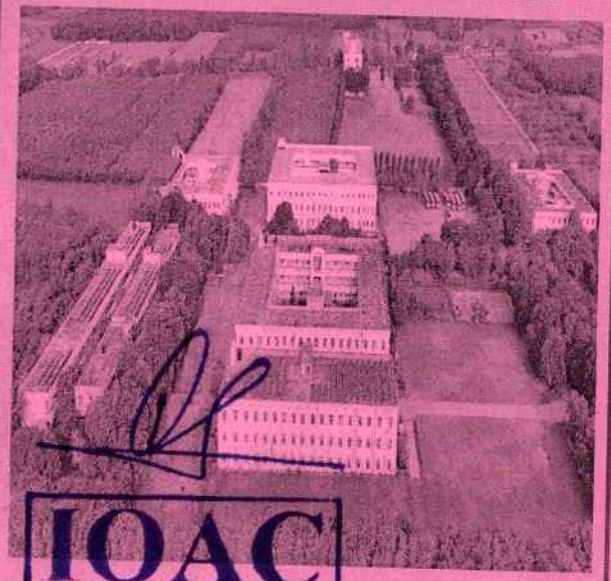
Brochure

Course Content:

- Introduction to Industrial Automation, Evolution, Benefits and Challenges of Industrial Automation
- Introduction to AI, Types, AI Techniques, AI Applications in Industrial Automation.
- Introduction to ML, Types, ML Algorithms, ML Applications in Industrial Automation.
- Case Studies of AI and ML in Industrial Automation, Challenges and Limitations, Future Trends and Directions of AI and ML in Industrial Automation.
- ICT Technologies for Industrial Automation, Communication Protocols for Industrial Automation (Modbus, Profibus, Ethernet/IP).
- Hands-on Training on AI and ML Tools, Case Studies and Projects on AI and ML in Industrial Automation.
- Project Development on Industrial Automation using AI and ML

For Any Queries Contact:

Dr. M. Venkanna Babu, Coordinator.
Mobile No: 9985808908



IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and ECE, CSE and ME departments were Accredited by NBA under Tier 1. NEC accorded 'AUTONOMOUS' status since 2016 and valid up to 2032.

NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2022, 251-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 3rd Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2024. INDIA TODAY Ranked NEC as 183 among Private Engineering Colleges in India for the year 2023. THE WEEK Magazine also ranked NEC as 14 among Private Engineering Colleges in AP for the year 2023. Careers 360 ranked NEC with AAA+ Grade for the year 2024. The college has approved research centres by JNTUK, Kakinada in CSE, ECE and Mechanical Engineering Depts. The college has launched Incubation Centre where the students can implement their ideas. NEC got approved for "NIDHI Technology Business Incubator" by Dept of Science & Technology, New Delhi. NEC received grant for establishment of IP facilitation centre (IPFC) in association with the Ministry of MSME, Govt. of India. The college has signed 70+ MoUs with reputed industries and International & National organizations like IES and the Swiss innovation powerhouse, Factor-Y (for innovation and entrepreneurial support), Red Hat Academy, Efftronics Systems Pvt. Ltd, Bytexl, New Mexico State University (NMSU), New Mexico, USA, TiE Hyderabad, Edu Skills etc. NEC is recipient of IBM Watsonx Generative AI Faculty Award of worth $10,000 USD. Our institute has academic partnership with WIPRO through their ELITE program, Talent-Next. Also empanelled with BOSCH as training partner under "BRIDGE" Programme.

The college offers Eight M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches EEE, CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. The college has well experienced and dedicated faculty out of which 72 faculty hold Doctorate Degrees while 78+ patents and 416+ Publications (over last five years), 36 Books were onto the credit of faculty. The college has AP CM's Excellence centre. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC, Germany. Dassault Systems Lab is established to provide access to the students on most advanced courses by industry giants. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport.

A ONE WEEK

Faculty Development Program

on

"MACHINE LEARNING WITH PYTHON"

During

09th – 14th September- 2024

In association with

ICTACADEMY

TiE HYDERABAD

Organized by

IQAC & Department of Mechanical Engineering

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Palnadu Dist., A.P.
(Sponsored by Gayatri Educational Development Society), Narasaraopet.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada.
Accredited by NBA (Tier 1) - CSE, ECE, ME & NAAC "A+" Grade.
Code: 47, NIRF: 2022 (251-300 Band) & ISO 9001: 2015 Certified Institution.

Phone : 08647-239923
E-Mail : mechhod@nrtec.in
Website : www.nrtec.in

: https://www.facebook.com/nrtenggcollege
: https://www.instagram.com/nrtec/
: https://www.linkedin.com/company/narasaraopeta-engineering-college/

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

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited **thrice by NBA.** The department is accredited by **NBA under Tier 2 in 2009 & 2013 and under Tier 1 in 2023.**

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, Ultimaker S5 Pro Bundle 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. Our department has four professional student chapters i.e. ISTE, ASME, IE(I) and SAME. The department has Mechanical Engineering Student Association (MESA).

IQAC

OBJECTIVES OF THE FDP

- Bring awareness on Industrial Automation using AI and ML.
- To learn about ICT technologies and their role in Industrial Automation.
- To develop skills in designing and implementing AI and ML-based solutions for Industrial Automation.
- To explore case studies and projects on Industrial Automation using AI and ML.
- To create a network of faculty members working in the area of Industrial Automation.

RESOURCE PERSON:

Aman Raj,

Freelance JAVA Trainer,
Hyderabad, India.

Guidelines:

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

Registration:

- Any Faculty/Student in thrust of knowledge.
- Participants are restricted to 50 and will be selected on first come first serve basis.
- Registration link:
  https://tinyurl.com/NEC-ME-FDP-IAAIMLICT

No Registration Fee

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

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

Coordinators

Dr. M Venkannababu
Associate Professor, Dept. of Mechanical Engineering

Mr. M.Mothilal Naik
Assistant Professor, Dept. of Mechanical Engineering

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Dr. M.Rama Kotaiah	Mrs. P.Suresh Babu
Mr. M. Venkaiah	Mrs. D.Raghavendra
Mr. P.Srinivasa Rao	Mr. G.Bhargav
Mr. Ch.Sekhar	Mr. Y.Suvarna Kumar
Mr. K.Kiran Chand	Mr. T.Ashok Kumar
Mr. K.John Babu	Mr. A.Anka Rao
Mr. A.Pavan Kumar	Mrs. P.Sravani
Mr. P.Kiran Kumar	Mr. P.Kiran Kumar
Mr. D.Ratna Babu	Mr. V.Swamulu

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NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Schedule

During

09th – 14th September- 2024

In association with: ICT ACADEMY- HYDERABAD

Organized by: IQAC & Department of Mechanical Engineering

SCHEDULE

Date	10:00AM to 12:30PM	BREAK	1:30PM to 4:00PM
09-09-2024	❖ Introduction to Industrial Automation, Evolution, Benefits and Challenges of Industrial Automation	LUNCH	❖ Introduction to AI, Types, AI Techniques, AI Applications in Industrial Automation.
10-09-2024	❖ Introduction to ML, Types, ML Algorithms, ML Applications in Industrial Automation.		❖ Case Studies of AI and ML in Industrial Automation, Challenges and Limitations, Future Trends and Directions of AI and ML in Industrial Automation.
11-09-2024	❖ ICT Technologies for Industrial Automation, Communication Protocols for Industrial Automation (Modbus, Profibus, Ethernet/IP).		❖ Hands-on Training on AI and ML Tools, Case Studies and Projects on AI and ML in Industrial Automation.
12-09-2024	❖ Project Development on Industrial Automation using AI and ML		❖ Hands-on Training on AI and ML Tools, Case Studies and Projects on AI and ML in Industrial Automation.
13-09-2024	❖ Project Development on Industrial Automation using AI and ML		❖ Hands-on Training on AI and ML Tools, Case Studies and Projects on AI and ML in Industrial Automation.
14-09-2024	❖ Project Development on Industrial Automation using AI and ML		❖ Hands-on Training on AI and ML Tools, Case Studies and Projects on AI and ML in Industrial Automation.

Coordinator

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Attendance sheet

NARASARAOPETA ENGINEERING COLLEGE: NARASARAOPET
DEPARTMENT OF MECHANICAL ENGINEERING
MACHINE LEARNING WITH PYTHON (09-09-2024 to 14-09-2024)
LIST OF FACULTY ATTENDED

S.NO	NAME OF THE FACULTY	Signature
1	Dr.B.Venkata Siva	
2	Dr.P.Suresh babu	
3	Dr.M.VenkannaBabu	
4	M.Venkaiah	
5	P.Srinivasa Rao	
6	Ch.Sekhar	
7	K.Kiran chand	
8	P.Sravani	
9	T.Ashok kumar	
10	K.John Babu	
11	A.Pavan Kumar	
12	D.Raghavendra	
13	A.Anka Rao	
14	V.Swamulu	
15	M.Mothilal Naik	
16	U. Naga Raju	
17	D. Ratna Babu	

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Program Report

NEC NARASARAOPETA ENGINEERING COLLEGE
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Department of Mechanical Engineering

Date: 18-09-2024

PROGRAMME REPORT

Name of the Programme : A one week FDP on
"MACHINE LEARNING WITH PYTHON"

Dates : **09th – 14th September, 2024**

Details of the Resource Persons : **Aman Raj, Freelance JAVA Trainer, Hyderabad, India.**

Course Coordinator

: Dr. M Venkannababu,
Associate Professor, Dept. of Mechanical Engineering,
9985808908, venkannababu.mendi@gamil.com

: Mr. M Mothilal Naik,
Assistant Professor, Dept. of Mechanical Engineering,
8977119366, swamimothi@gamil.com

OBJECTIVE OF THE PROGRAMME:

This FDP is aimed at providing faculty members with the fundamentals and advancements in Industrial Automation, enhanced with Artificial Intelligence (AI) and Machine Learning (ML) applications.

THE COURSE AIMS TO ACHIEVE THE FOLLOWING OBJECTIVES:

- Introduce fundamentals of industrial automation systems.
- Provide awareness on the integration of AI & ML in automation.
- Familiarize participants with real-time tools and platforms.
- Equip faculty with technical skills to implement automation-based curriculum.
- Understand industry trends and case studies in smart manufacturing.

TOPIC COVERED:

- Day 1: Introduction to Industrial Automation – Components, Architecture, Trends
- Day 2: Role of AI in Automation – Machine Learning Basics
- Day 3: Data Acquisition and Control – PLC, SCADA Basics
- Day 4: AI & ML Algorithms in Industrial Applications

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- ❖ Day 5: Real-time Case Studies – Smart Factory Implementation
- ❖ Day 6: Hands-on Sessions – Simulation Tools, AI-integrated Automation Modules

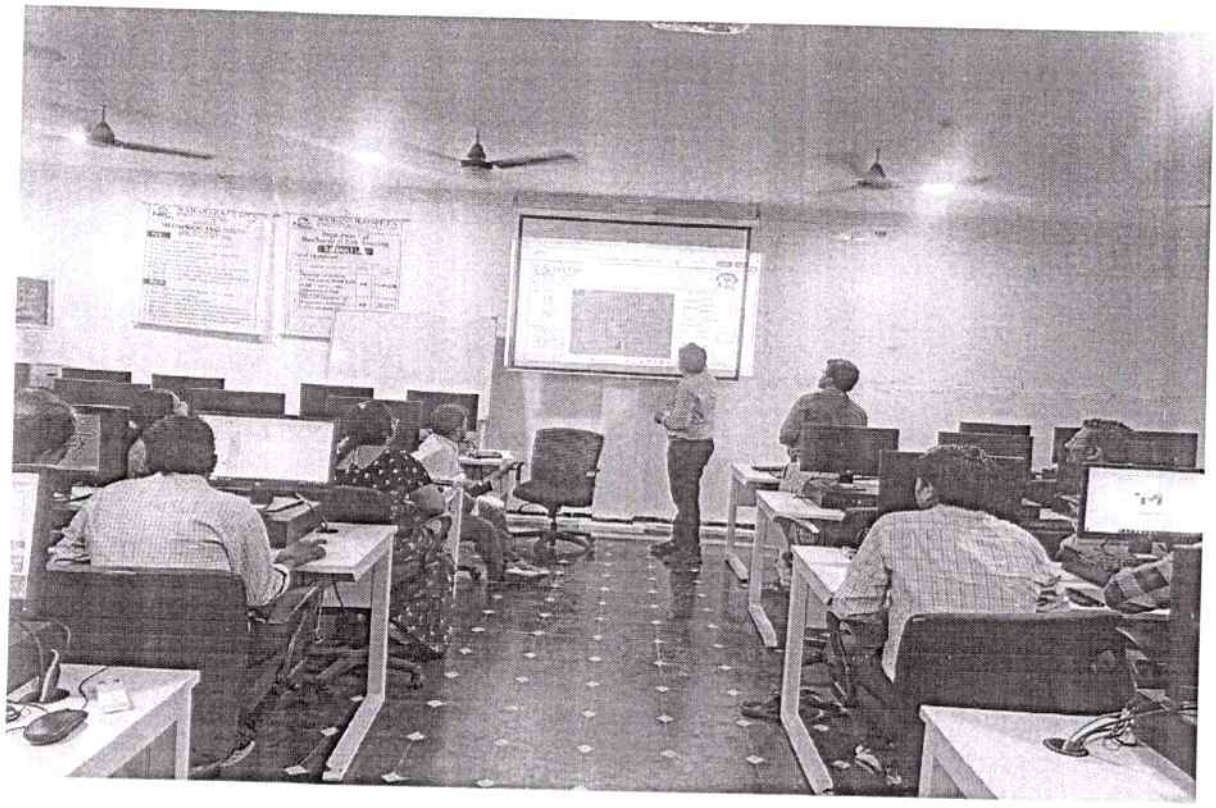
Activities Included:

- Live demo of automation systems
- Group projects on AI applications
- Quizzes and panel discussions

OUTCOME OF THE PROGRAMME:

- ❖ Enhanced knowledge in industrial automation tools and technologies
- ❖ Ability to integrate AI & ML into automation curriculum
- ❖ Exposure to real-time industrial case studies
- ❖ Practical understanding of AI-powered automation platforms
- ❖ Improved teaching methodology through ICT-enabled learning

No. of Participants: 22



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Press Note & Coverage

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(Sponsored by Gayatri Educational Development Society), Narasaraopet.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada Code : 47, NIRF : 2022 (251-300 Band)
Accredited by NBA (CSE, ECE, ME) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution
08647-239904 Visit us at : www.nrtec.in e-mail : principal@nrtec.in

Press Note

14.09.2024

ఎన్.ఈ.సీ లో "మెషిన్ లెర్నింగ్ విత్ పైథాన్ "
పై ముగిసిన వారం రోజుల ఉపాధ్యాయ శిక్షణా తరగతులు

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాల IQAC మరియు మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో ICT అకాడమీ అధ్యాపక బృందం పర్యవేక్షణలో **"మెషిన్ లెర్నింగ్ విత్ పైథాన్ " (Machine Learning with Python)** అనే అంశంపై వారం రోజుల అధ్యాపక శిక్షణా తరగతులు ఈ రోజు న ముగిశాయని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు తెలియజేశారు.అలాగే శిక్షకులుగా అమన్ రాజ్పూ (లాన్స్ జావా ట్రైనర్ , హైదరాబాద్) గారు వ్యవహరించారని తెలియజేశారు.

కళాశాల వైస్ పిన్సిపాల్ డాక్టర్ డి. సునీల్ గారు గారు మాట్లాడుతూ ఈ వారం రోజుల శిక్షణ శిబిరంలో ఇండస్ట్రియల్ ఆటోమేషన్, కృత్రిమ మేధస్సు (AI - Artificial Intelligence) మరియు వాటిలో వివిధ రకాలు, AI టెక్నిక్స్, AI అప్లికేషన్స్, మెషిన్ లెర్నింగ్ మరియు దాని అప్లికేషన్స్ మొదలగు అంశాలపై అధ్యాపకులకు శిక్షణ ఇచ్చారన్నారు.

కళాశాల పిన్సిపాల్ డాక్టర్ ఎస్.వెంకటేశ్వర్లు గారు మాట్లాడుతూ ఈ మెషిన్ లెర్నింగ్ (Machine Learning with Python) అనేది ప్రస్తుతం టెక్నాలజీ ప్రపంచంలో అత్యంత డిమాండ్ ఉన్న నైపుణ్యం అని, కంప్యూటర్లకు స్పష్టమైన ప్రోగ్రామింగ్ అవసరం లేకుండా, డేటా ద్వారా సొంతంగా నేర్చుకునే సామర్థ్యాన్ని కల్పించడమే మెషిన్ లెర్నింగ్ యొక్క ముఖ్య ఉద్దేశ్యం అని తెలియజేశారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు మాట్లాడుతూ మెషిన్ లెర్నింగ్ మన రోజువారీ జీవితంలో అనేక విధాలుగా ఉపయోగపడుతుంది అని అన్నారు. వర్చువల్ అసిస్టెంట్స్, ముఖ గుర్తింపు (Face Recognition), ట్రాఫిక్ అంచనా, పనికిరాని ఈమెయిల్స్‌ను (Spam) గుర్తించి వేరు చేయడం, ఆరోగ్య రంగం తదితర రంగాలలో వాడతారని అన్నారు. వీటి వలన విద్యార్థులకు ఉద్యోగ అవకాశలు మరింతగా పెరుగుతాయని అన్నారు.

కళాశాల సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు మాట్లాడుతూ తమ కళాశాలలో అధ్యాపకులకు మరియు విద్యార్థులకు ఆధునిక పరిజ్ఞానం పై నిర్వహిస్తున్న ఇలాంటి కార్యక్రమాలు వారి పురోభివృద్ధికి మరియు అభ్యున్నతికి ఎంతగానో ఉపయోగపడతాయని తెలిపారు

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు ICT అకాడమీ అధ్యాపక బృందాన్ని, ఈ కార్యక్రమ నిర్వాహకులను మరియు సమన్వయకర్త డాక్టర్.ఎం.వెంకన్న బాబు గార్లను అభినందించారు

Dr. B.Venkata Siva
Head – Mechanical Eng. Dept., NEC
Cell: 9692464540

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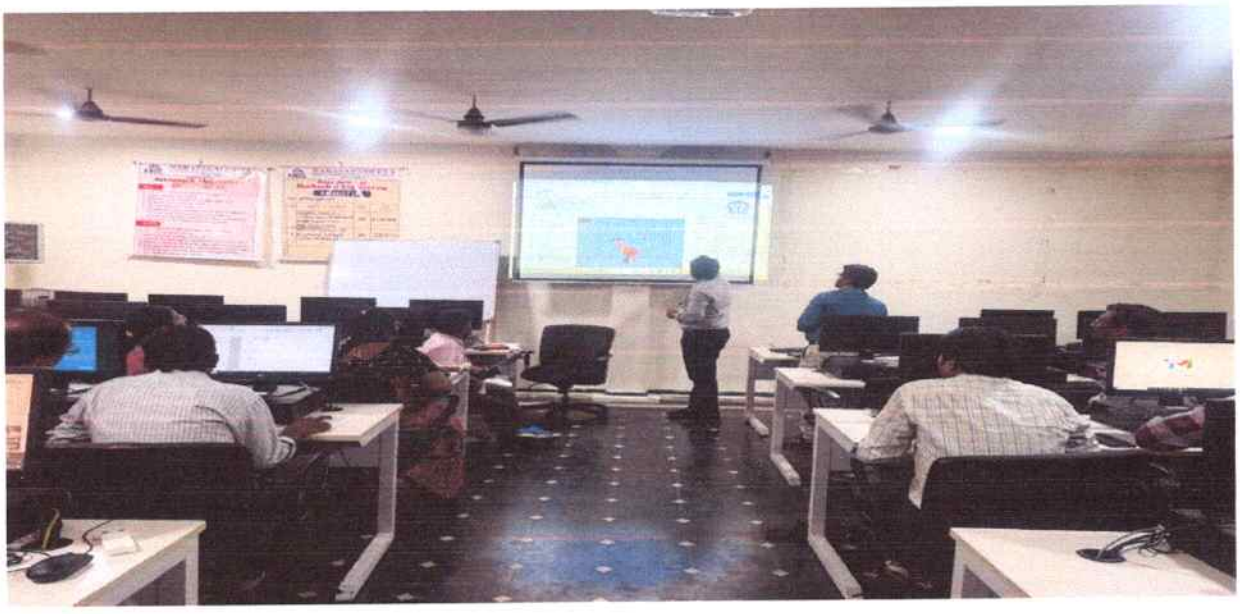
Photos



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This Certificate is Proudly Presented to

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Certificate Number: 009

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This Certificate is Proudly Presented to

P. Sravani

from **Mechanical Engineering Department** has been successfully completed the FDP on

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This Certificate is Proudly Presented to

A. Pavan Kumar

from **Mechanical Engineering Department** has been successfully completed the FDP on

Machine Learning with Python from 09th to 14th September 2024

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Certificate Number: 022

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This Certificate is Proudly Presented to

G. Bhargav

from **Mechanical Engineering Department** has been successfully completed the FDP on

Machine Learning with Python from 09th to 14th September 2024

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NEC NARASARAOPETA ENGINEERING COLLEGE
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Planning Execution and Evaluation of Project Work

NEC

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Circular

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Accredited by NBA, NAAC with 'A++' Grade
Kotappakonda Road, Yellamanda Post, Narasaraopet - 522601 Palnadu Dist., A.P

Date: 04-09-2024

CIRCULAR

Department of Business Administration is organizing A One week Short Term Course on **"Planning Execution and Evaluation of Project Work"** in association with NITTTR, Chandigarh from 09/09/2024 to 13/09/2024 for faculty. Request all the faculty members are to attend.

Program Conveners: Dr. P. Pattabhi Ram (8897373488)

Dr. M. Aravind (9491337326)

IQAC HOD PRINCIPAL

Copy to:

1. Chairman for Favour of Information
2. Principal Office
3. AO for Necessary arrangements
4. Department Notice Boards
5. Circulation to all staff members
6. All HoD's

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Brochure

IQAC

Course Content:

- Concept and Significance of Project Work.
- Identification of Planning of Project work
- Role of Industry, Institute and student in Project Work
- Developing Employability Skills through Project Work
- Academic – Industry Interface for Project Work
- Organizing Project Oriented Professional / Industrial Training
- Competencies Expected by industry from Technical Students
- Aspects of Report Writing for a Project Work
- Project based Learning

RESOURCE PERSONS

- Dr. SK. Gupta, Dr. Niraj Bala
- Dr. Rajesh Mehra, Dr. Sanjeev Gupta
- Prof. Sanjeev Sofat, Dr. Meenakshi Sood
- Dr. P K Singla

For Any Queries Contact:

Dr. P. Pattabhi Ram, Coordinator,

Mobile No:8897373488

Email: pattabhiramp@gmail.com

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ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A++' Grade by NAAC and Accredited four times by NBA. NEC accorded 'AUTONOMOUS' status since 2016.

NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2024, 201-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 4th Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2022. INDIA TODAY Ranked NEC as 178 among Private Engineering Colleges in INDIA. The college has approved research centres by JNTUK, Kakinada in CSE, ECE and Mechanical Engineering Depts. The college has launched Incubation Centre where the students can implement their ideas. NEC got approved for "NIDHI Technology Incubator" by Dept of Science & Technology, New Delhi.

The college has signed 37+ MoUs with reputed industries and International & National organizations like Red Hat Academy, Efftronics Systems Pvt. Ltd, Byte$_{XL}$, New Mexico State University (NMSU), New Mexico, USA, TiE Hyderabad, Edu Skills etc. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches EEE, CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. The college has well experienced and dedicated faculty out of which 72 faculty hold Doctorate Degrees while 78+ patents and 416+ Publications (over last five years), 36 Books were onto the credit of faculty. The college has AP CM's Excellence centre, AI Centre of Excellence & Deep Learning in association with BENNETT University, New Delhi. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. Dassault Systems Lab is established in association with APSSDC to provide access to the students on most advanced courses by industry giants. Narasaraopet is known as the gateway of Palnadu. Narasaraopet is District Head Quarters of newly formed PALNADU 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 Short Term Course on

"Planning Execution and Evaluation of Project Work"

During

09th September - 13th September - 2024

Organized

by

Department of Master of Business Administration

NARASARAOPETA

NEC ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)

Narasaraopet – 522601, Palnadu 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: 2015 Certified.

Phone : 08647-239923

FAX : 08647-239902

E-Mail : mbahod@nrtec.in

Principal

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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

ABOUT THE DEPARTMENT

The Department of Master of Business Administration was established in the year 2006 with an intake of 120 students. The department offers UG and PG programs. PG programs are being offered in specialization of Finance, Marketing, Human Resource Management and Systems. The PG program of the department is accredited twice by NAAC. The department has excellent infrastructure like E class rooms, AC seminar hall and is well equipped with modern laboratories like Computer Lab Internet Lab and Information Technology Lab. Department has beyond curriculum like N.S.S., N.C.C., and Business Club 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. Department has Department frequently organizes guest lectures, industrial visits, workshops, training programs and provide internships for betterment of students.

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OBJECTIVES OF FACULTY DEVELOPMENT PROGRAMME

The main objective of this workshop is to develop strong project planning skills, enabling systematic and structured approaches to tasks. It also aim to enhance execution capabilities, ensuring that plans are implemented effectively and efficiently. Additionally, the focus is to build competency in evaluation, allowing individuals to assess outcomes and processes critically. Another key objective is to integrate theory with practice, bridging academic knowledge with real-world application. Finally, these goals seek to promote accountability and continuous learning, fostering responsibility and ongoing improvement.

Registration:

- UG/PG Faculty in Engineering and Applied Sciences.
- Any Faculty in thrust of knowledge.
- Participants are restricted to first come first serve basis.

Guidelines:

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

Registration Form:

Name: _____

Designation: _____

Mobile No: _____

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. S.Venkateswarlu
M. Tech, Ph. D
Principal

Dr. D. Suneel
M. Tech, Ph.D., FIE (I), MISTE, MRSI
Vice- Principal

Coordinator

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

Co-Coordinator

Dr. M. Aravind
Professor, Dept. of MBA

ORGANIZING COMMITTEE

Dr. K. Anil Kumar	Dr. G. Anil Kumar
Mr. I. Sridhar	Mr.T. Mallikharjuna Rao
Mr. D. Satish Babu	Mrs. Sd. Salma
D.V.Nageswararao	N. Usha Deepa Sundari
T.Swathi	Mr. J.Rajesh

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NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Schedule

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH. CHANDIGARH

SHORT-TERM COURSE on

PLANNING, EXECUTION AND EVALUATION OF PROJECT WORK

Dates: 09-13 September, 2024

Tentative Programme Schedule

Date/Session	Session-I (10.00 AM to 11.30 AM)	Session-II (11.30 AM to 1. 00 PM)		Session-III (2.30 PM to 4.00 PM)
09.09.2024 Monday	Registration and Inauguration (SKGupta/Rajesh Mehra)	Concept and Significance of Project Work (S K Gupta)	L	Identification and Planning of Project Work (B S Pabla)
10.09.2024 Tuesday	Role of Industry, Institute and Students in Project Work (S K Gupta)	Developing Employability Skills through Project Work (Niraj Bala/Expert)	U N	Academic –Industry Interface for Project Work (Sanjeev Gupta)
11.09.2024 Wednesday	Organizing Project Oriented Professional /Industrial Training (Sanjeev Sofat)	Competencies Expected by Industry from Technical Students (Sanjeev Gupta/Expert)	C	Aspects of Report Writing for a Project Work (Meenakshi Sood)
12.09.2024 Thursday	Project based Learning (Sanjeev Sofat)	Networking with World of Work for Project Work (SK Gupta)	H	Group Tasks on Identification of Project Work in the Respective Disciplines (SKGupta)
13.09.2024 Friday	Evaluation of Project Work (P K Singla)	Presentations and Discussions on Group Tasks (SK Gupta)		Feedback and Valediction of the Programme (SK Gupta /Rajesh Mehra)

Coordinator: Dr S K Gupta

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NARASARAOPETA
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(AUTONOMOUS)

Attendance sheet

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH

ATTENDANCE SHEET

Title of the Programme: STC on Planning, Execution and Evaluation of Project Work

O. Plan Number: ICT-50 **Mode:** ICT Mode

Dates: 09-13 September, 2024

Course Coordinator (NITTTR): Dr. S K Gupta **Name of Nodal Centre :** Narasaraopeta Engineering College,

Sr. No.	Name in English with Registration No.	Designation, Department, Institute's Name & Official Address in English	Mobile / Land Line Number	Email-id	Gender (Male / Female)	Session	Signatures				
							09.09.24	10.09.24	11.09.24	12.09.24	13.09.24
1.	Dr. Anil Kumar Komamarlapudi 5024176C3C	Associate Professor Narasaraopeta Engg. College, Narasaraopet	9704196872	komamarlapudi.anilkumar@gmail.com	Male	Morning					
						Evening					
2.	Dr. Ackireddy yenireddy 5024174E37	Assistant professor Narasaraopeta Engg. College, Narasaraopet	9966782882	ackireddy.yenireddy74@gmail.com	Male	Morning					
						Evening					
3.	Darda Venkata Nageswara Rao 5024175778	Asst. professor Narasaraopeta Engg College, Narasaraopet 522601	9989204067	vnraodanda@gmail.com	Male	Morning					
						Evening					
4.	Dr. M. ARAVIND 5024174425	Professor Narasaraopeta Engg College, Narasaraopet, 522601	9491337326	maddaliaravind@gmail.com	Male	Morning					
						Evening					

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Sr. No.	Name in English with Registration No.	Designation, Department, Institute's Name & Official Address in English	Mobile / Land Line Number	Email-id	Gender (Male / Female)	Session	Signatures				
							09.09.24	10.09.24	11.09.24	12.09.24	13.09.24
5.	Dr. Gaganam Anil Kumar 5024175567	Asst. Prof., Narasaraopeta Engg. College, Narasaraopet	dranilgcollege@gmail.com 8106514959	dranilgcollege@gmail.com	Male	Morning					
						Evening					
6.	I Sridhar 5024175871	Assoc., Prof., Narasaraopeta Engg. College, Narasaraopet	9704596652	Sridharipc@gmail.com	Male	Morning					
						Evening					
7.	Jitika Rajesh 5024175493	Asst. Prof., Narasaraopeta Engg. College, Narasaraopet	9676691785	rajeshjitika97@gmail.com	Male	Morning					
						Evening					
8.	M. Sampath Kumar 5024176345	Asst. Prof., Narasaraopeta Engg. College, Narasaraopet	8106515040	Sampath.Kumar8106@gmail.com	Male	Morning					
						Evening					
9.	N Usha Deepa Sundari 5024174584	Asst. Professor Narasaraopeta Engg. College, Narasaraopet	7330634946	deepasundariu@gmail.com	Female	Morning					
						Evening					
10.	Pathalam Pattabhi Ram 5024175575	Professor & Head of ME&A Narasaraopeta Engg. College, Narasaraopet	8897373488	Pattabhiramp@gmail.com	Male	Morning					
						Evening					

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Sr. No.	Name in English with Registration No.	Designation, Department, Institute's Name & Official Address in English	Mobile / Land Line Number	Email-id	Gender (Male / Female)	Session	Signatures				
							09.09.24	10.09.24	11.09.24	12.09.24	13.09.24
11.	Satish Babu Dogiparthi 5024174563	Asst. Professor Narasaraopeta Engg College, Narasaraopet	9885803666	dogiparthisatish@gmail.com	Male	Morning					
						Evening					
12.	Salma. Syed 5024174834	Asst. professor Narasaraopeta Engg College, Narasaraopet	9703678556 Salma.shaik@gmail.com	Salma.Shaik@gmail.com	Female	Morning	Say	Say	Say	Say	Say
						Evening	Say	Say	Say	Say	Say
13.	Shaik Karimulla 5024175995	Asst. Professor Narasaraopeta Engg College, Narasaraopet	9703056897	Krm.Shaik@gmail.com	Male	Morning	SKR	SKR	SKR	SKR	SKR
						Evening	SKR	SKR	SKR	SKR	SKR
14.	Theegala Swathi 5024175484	Asst. Prof. Narasaraopeta Engg Coll-ge, Narasaraopet	9398185880	Sri.Swathi.Swathi15@gmail.com	Female	Morning					
						Evening					
15.	Tirumalasetti Mallikharjuna Rao 5024175471	Assoc. Prof. Narasaraopeta Engg Colleg, Narasaraopet	9866271536	t.mallikarjuna@gmail.com	Male	Morning					
						Evening					
16.	Y. V. Naga Kumari 5024176994	Asst. prof. Narasaraopeta Engg Colleg, Narasaraopet	8885581899	nagakumari73@gmail.com	Female	Morning	Yvnk	Yvnk	Yvnk	Yvnk	Yvnk
						Evening	Yvnk	Yvnk	Yvnk	Yvnk	Yvnk

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NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Program Report

Narasaraopeta Engineering College
(Autonomous)
Approved by AICTE, Permanently affiliated to JNTUK, Kakinada
Accredited by NBA, NAAC with 'A' Grade
Kotappakonda Road, Yellamanda Post, Narasaraopet - 522601 Guntur Dist., A.P

Date: 14-09-2024

PROGRAMME REPORT

Name of the Programme : A One Week Short Term Course on

"Planning Execution and Evaluation of Project Work"

Dates : 09th to 13th September, 2024

Details of the Resource Persons:

1. Dr. SK. Gupta,
2. Dr. Niraj Bala
3. Dr. Rajesh Mehra,
4. Dr. Sanjeev Gupta
5. Prof. Sanjeev Sofat,
6. Dr. Meenakshi Sood
7. Dr. P K Singla,

Objectives of the Programme:

1. Develop project planning skills
2. Enhance execution capabilities
3. Build competency in evaluation
4. Integrate theory with practice
5. Promote accountability and learning

Topic Covered:

1. Concept and Significance of Project Work.
2. Identification of Planning of Project work
3. Role of Industry, Institute and student in Project Work
4. Developing Employability Skills through Project Work
5. Academic – Industry Interface for Project Work
6. Organizing Project Oriented Professional / Industrial Training
7. Competencies Expected by industry from Technical Students

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8. Aspects of Report Writing for a Project Work
9. Project based Learning
10. Networking with world of work for Project Work
11. Groups Tasks on Identification of Project Work in the respective disciplines
12. Evaluation of Project Work
13. Presentations and discussions and group Tasks
14. Feedback and Valediction of the Program

Outcome of the Programme:

1. Ability to design structured project plans with clear objectives, timelines, and resource allocation.
2. Enhanced execution skills enabling effective implementation of project activities.
3. Improved problem-solving and decision-making throughout the project lifecycle.
4. Competency in evaluating project performance using appropriate tools and techniques.
5. Capability to integrate theoretical knowledge with practical applications in real-world contexts.
6. Development of teamwork, coordination, and communication skills essential for project success.

No of Participants: 16

Coordinator

HoD - MBA

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(AUTONOMOUS)
NARASARAOPET - 522 601, Palnadu (Dt.)

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Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.
(Sponsored by Gayatri Educational Development Society), Narasaraopet.
08647-239903 Visit us at : www.nrtec.in e-mail : principal@nrtec.in

NEC లో NITTR వారిచే ఫ్యాకల్టీ డెవలప్మెంట్ ప్రోగ్రాం*

స్థానిక *నరసరావుపేట ఇంజనీరింగ్ కళాశాల ఎం. బీ. ఏ., విభాగం* ఆధ్వర్యంలో NITTR-Chandigarh అధ్యాపక బృందం పర్యవేక్షణలో వారం రోజులపాటు *ప్రాజెక్ట్ వర్క్ - ప్రణాళిక, అమలు మరియు మూల్యాంకనం* అనే అంశంపై ఫ్యాకల్టీ డెవలప్మెంట్ ప్రోగ్రాం నిర్వహించినట్లు ఎం బీ.ఏ. డిపార్ట్మెంట్ విభాగాధిపతి డాక్టర్. పి. పట్టాభిరామ్ గారు తెలియజేశారు.

ఈ కార్యక్రమానికి ఎన్.ఐ.టి.టి.ఆర్ చండిఘర్ ప్రొఫెసర్ డాక్టర్. ఎస్. కె. గుప్తా గారు హాజరయ్యారు. ప్రొఫెసర్ డా. ఎస్. కె. గుప్తా గారు ఈ సందర్భంగా *ప్రాజెక్టు వర్క్ ఎంపికలో లో ఉపయోగించవలసిన మెలకువలు, ఉపయోగించవలసిన పరికరాలను, విశ్లేషించేందుకు ఉపయోగించవలసిన శాస్త్రీయమైన సాంకేతిక పరిజ్ఞానాన్ని గురించి అధ్యాపక బృందానికి వివరించారు.

ఈ సందర్భంగా కళాశాల ప్రిన్సిపాల్ డాక్టర్ ఎస్ వెంకటేశ్వర్లు గారు మాట్లాడుతూ ఈ *ప్రాజెక్ట్ వర్క్ - ప్రణాళిక, అమలు మరియు మూల్యాంకనం* అనే అంశం పై అధ్యాపకులకు ఇచ్చిన శిక్షణ, విద్యార్థుల ప్రాజెక్ట్ వర్క్ లో ఎంతగానో ఉపయోగపడుతుందన్నారు.

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు, వైస్ చైర్మణా శ్రీ మిట్టపల్లి చక్రవర్తి గారు, సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు, వైస్ ప్రిన్సిపాల్ డా. డి. సునీల్ గార్లు ఎన్ ఐ టి టి ఆర్ చండీగర్ అధ్యాపక బృందాన్ని మరియు కార్యక్రమం నిర్వాహకులను అభినందించారు. *NEC లో NITTR వారిచే ఫ్యాకల్టీ డెవలప్మెంట్ ప్రోగ్రాం*

(నేషనల్ ఇన్స్టిట్యూట్ ఆఫ్ టెక్నికల్ టీచర్స్ ట్రైనింగ్ & రీసెర్చ్).

స్థానిక *నరసరావుపేట ఇంజనీరింగ్ కళాశాల ఎం. బీ. ఏ., విభాగం* ఆధ్వర్యంలో NITTR-Chandigarh అధ్యాపక బృందం పర్యవేక్షణలో వారం రోజులపాటు *ప్రాజెక్ట్ వర్క్ - ప్రణాళిక, అమలు మరియు మూల్యాంకనం* అనే అంశంపై ఫ్యాకల్టీ డెవలప్మెంట్ ప్రోగ్రాం నిర్వహించినట్లు ఎం బీ.ఏ. డిపార్ట్మెంట్ విభాగాధిపతి డాక్టర్. పి. పట్టాభిరామ్ గారు తెలియజేశారు.

ఈ కార్యక్రమానికి ఎన్.ఐ.టి.టి.ఆర్ చండిఘర్ ప్రొఫెసర్ డాక్టర్. ఎస్. కె. గుప్తా గారు హాజరయ్యారు. ప్రొఫెసర్ డా. ఎస్. కె. గుప్తా గారు ఈ సందర్భంగా *ప్రాజెక్టు వర్క్ ఎంపికలో లో ఉపయోగించవలసిన మెలకువలు, ఉపయోగించవలసిన పరికరాలను, విశ్లేషించేందుకు ఉపయోగించవలసిన శాస్త్రీయమైన సాంకేతిక పరిజ్ఞానాన్ని గురించి అధ్యాపక బృందానికి వివరించారు. ఈ సందర్భంగా కళాశాల ప్రిన్సిపాల్ డాక్టర్ ఎస్ వెంకటేశ్వర్లు గారు మాట్లాడుతూ ఈ *ప్రాజెక్ట్ వర్క్ - ప్రణాళిక, అమలు మరియు మూల్యాంకనం* అనే అంశం పై అధ్యాపకులకు ఇచ్చిన శిక్షణ, విద్యార్థుల ప్రాజెక్ట్ వర్క్ లో ఎంతగానో ఉపయోగపడుతుందన్నారు.

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు, వైస్ చైర్మణా శ్రీ మిట్టపల్లి చక్రవర్తి గారు, సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు, వైస్ ప్రిన్సిపాల్ డా. డి. సునీల్ గార్లు ఎన్ ఐ టి టి ఆర్ చండీగర్ అధ్యాపక బృందాన్ని మరియు కార్యక్రమం నిర్వాహకులను అభినందించారు.

Principal
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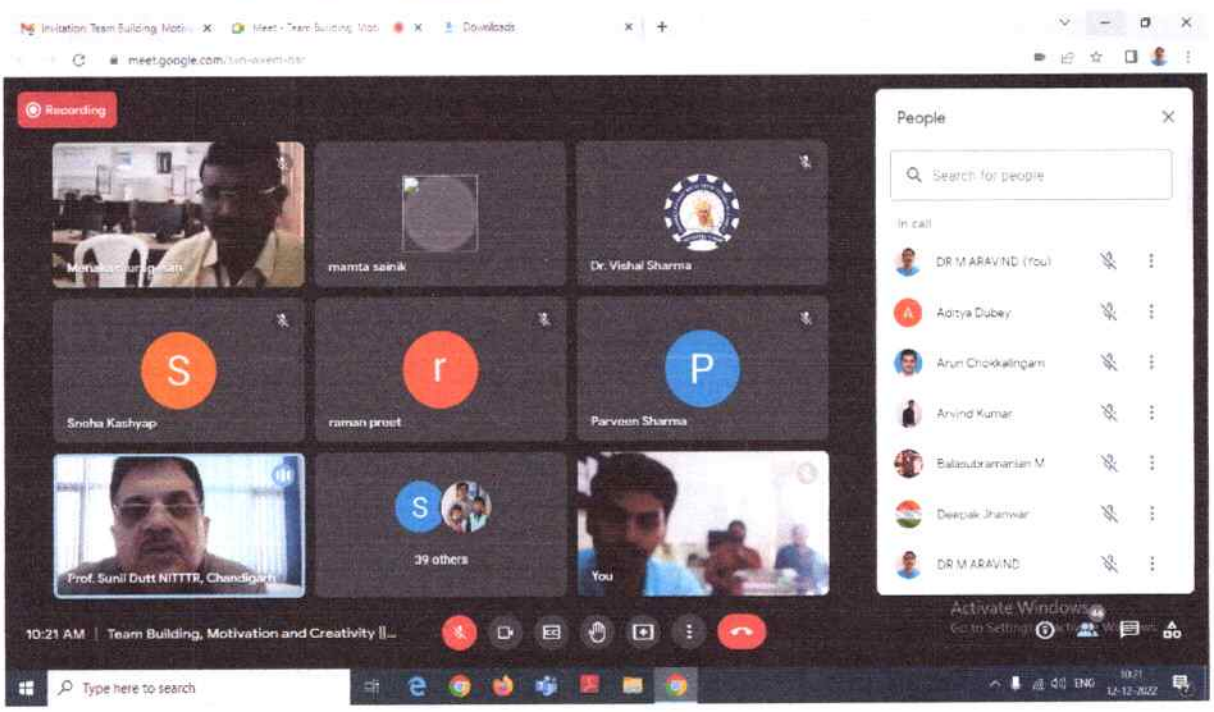
(AUTONOMOUS)

Photos



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(AUTONOMOUS)

Sample Certificates

Certificate No: ICT-12304/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

DR M ARAVIND

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Planning, Execution and Evaluation of Project Work

Conducted by

Curriculum Development Centre Department

from

09/09/2024 to 13/09/2024 (One Week)

at

Narasaraopeta Engineering College , Narasaraopet , Andhra Pradesh,

Coordinator

Director

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

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Certificate No: ICT-12301/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

JITIKA RAJESH

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Planning, Execution and Evaluation of Project Work

Conducted by

Curriculum Development Centre Department

from

09/09/2024 to 13/09/2024 (One Week)

at

Narasaraopeta Engineering College , Narasaraopet , Andhra Pradesh,

Coordinator

Director

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

IQAC

Certificate No: ICT-12306/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

ANKIREDDY YENIREDDY

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Planning, Execution and Evaluation of Project Work

Conducted by

Curriculum Development Centre Department

from

09/09/2024 to 13/09/2024 (One Week)

at

Narasaraopeta Engineering College , Narasaraopet , Andhra Pradesh,

IQAC

Coordinator

Principal Director

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

Certificate No: ICT-12307/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

ANIL KUMAR KANAMARLAPUDI

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS),
NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

Planning, Execution and Evaluation of Project Work

Conducted by

Curriculum Development Centre Department

from

09/09/2024 to 13/09/2024 (One Week)

at

Narasaraopeta Engineering College , Narasaraopet , Andhra Pradesh,

IQAC

Coordinator

Director

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

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

3D and 4 D Printing

NEC

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(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Department of Mechanical Engineering

Date: 14-08-2024

Circular

IQAC & Department of Mechanical Engineering is organizing A one Week Faculty Development Program on "3D & 4D Printing" in association with NITTTR Chandigarh from 19-08-2024 to 23-08-2024 for Faculty. Request all the faculty members are to attend.

Program Convenor:

Dr. B. Venkata Siva (mechhod@nrtec.in, 9692464540)

Dr. M. Venkannababu (venkannababu.mendi@gmail.com, 9985808908)

IQAC **HOD-ME** **PRINCIPAL**

Copy to

1. Chairman for Favour of information
2. Principal
3. IQAC
4. AO for making necessary arrangement
5. Department Notice Boards
6. Circulation to all Staff Members
7. All HOD's

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

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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

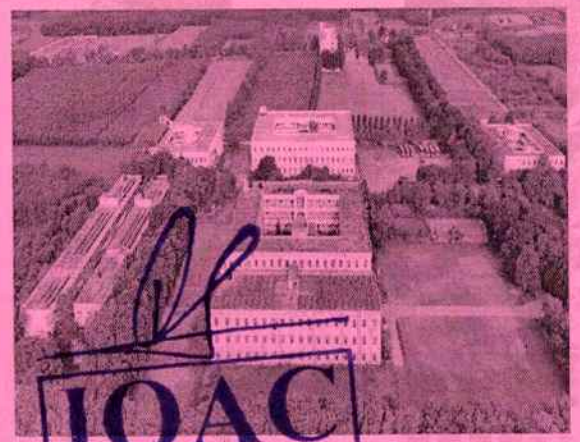
Brochure

Course Content:

- Overview of 3D/4D Printing.
- Design of Experiments
- Lab Session on 3D Printing of recycled thermoplastic and international standards – I (On-site)
- Sensors for 3D Printing
- Finite Element Modeling
- Lab Session on 3D Printing of metal and International standards – II (On-site)
- Modeling of Engineering Systems
- MATLAB Programming for 3D Printing
- 3D Printing: Material characterization
- Digital Twinning
- NEP Implementation
- 3D printing Applications
- TGA analysis for 3D printed parts
- 3D Printing in Dental Veterinary Application.

For Any Queries Contact:

Dr. M. Venkanna Babu, Coordinator.
Mobile No: 9985808908



IQAC

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade by NAAC and ECE, CSE and ME departments were Accredited by NBA under Tier 1. NEC accorded 'AUTONOMOUS' status since 2016 and valid upto 2032.

NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2024, 201-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 3 rd Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2024. INDIA TODAY Ranked NEC as 183 among Private Engineering Colleges in India for the year 2023. THE WEEK Magazine also ranked NEC as 14 among Private Engineering Colleges in AP for the year 2023. Careers 360 ranked NEC with AAA+ Grade for the year 2024. The college has approved research centres by JNTUK, Kakinada in CSE, ECE and Mechanical Engineering Depts. The college has launched Incubation Centre where the students can implement their ideas. NEC got approved for "NIDHI Technology Business Incubator" by Dept of Science & Technology, New Delhi. NEC received grant for establishment of IP facilitation centre (IPFC) in association with the Ministry of MSME, Govt. of India. The college has signed 70+ MoUs with reputed industries and International & National organizations like IES and the Swiss innovation powerhouse, Factor-Y (for innovation and entrepreneurial support), Red Hat Academy, Efftronics Systems Pvt. Ltd, Byte XL , New Mexico State University (NMSU), New Mexico, USA, TiE Hyderabad, Edu Skills etc. NEC is recipient of IBM Watsonx Generative AI Faculty Award of worth $10,000 USD. Our institute has academic partnership with WIPRO through their ELITE program, TalentNext. Also empanelled with BOSCH as training partner under "BRIDGE" Programme. The college offers Eight M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches EEE, CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME andCIVIL.

The college has well equipped laboratories and computers. The college has well experienced and dedicated faculty out of which 72 faculty hold Doctorate Degrees while 78+ patents and 416+ Publications (over last five years), 36 Books were onto the credit of faculty. The college has AP CM's Excellence centre. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC, Germany. Dassault Systems Lab is established to provide access to the students on most advanced courses by industry giants. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport.

A ONE WEEK

Faculty Development Program

on

"3D & 4D PRINTING"

During

19th – 23rd August- 2024

In association with

TEAMING TOGETHER
NITTTR
CHANDIGARH

Organized by

IQAC & Department of Mechanical Engineering

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O), NARASARAOPET - 522 601, Palnadu Dist., A.P.
(Sponsored by Gayatri Educational Development Society), Narasaraopet.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada.
Accredited by NBA (Tier 1) - CSE, ECE, ME & NAAC "A+" Grade.
Code: 47, NIRF: 2022 (251-300 Band) & ISO 9001: 2015 Certified Institution.

Phone : 08647-239923
E-Mail : mechhod@nrtec.in
Website : www.nrtec.in
: https://www.facebook.com/nrtenggcollege
: https://www.instagram.com/nrtec/
: https://www.linkedin.com/company/narasaraopeta-engineering-college/

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

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited **thrice by NBA**. The department is accredited by **NBA under Tier 2 in 2009 & 2013 and under Tier 1 in 2023**.

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 wellequipped with modern laboratories like Dassault systems and ARC laboratory. Department has equipment beyond curriculum like stir casting machine, Ultimaker S5 Pro Bundle 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. Our department has four professional student chapters i.e. ISTE, ASME, IE(I) and SAME. The department has Mechanical Engineering Student Association (MESA).

IQAC

OBJECTIVES OF THE FDP

- Understand the fundamentals and evolution of 3D and 4D printing.
- Learn the principles of additive manufacturing and its techniques.
- Explore the materials used in 3D and 4D printing and their properties.
- Gain hands-on experience in designing and fabricating 3D printed objects.
- Analyze the role of smart materials and stimuli-responsive behavior in 4D printing.
- Apply 4D printing to real-world engineering, biomedical, aerospace, and manufacturing applications.
- Critically evaluate the limitations, ethics, and future trends in additive manufacturing.

COURSE COORDINATOR:

Dr. Rupinder Singh

NITTTR-CHANDIGARH.

Guidelines:

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

Registration:

- UG/PG students in Engineering and Applied Sciences.
- Any Faculty in thrust of knowledge.
- Participants are restricted to 50 and will be selected on first come first serve basis.
- Registration link:

https://tinyurl.com/NEC-ME-FDP-3D&4D PRINTING

No Registration Fee

Chief Patron

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

Patrons

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

Sri M. Ramesh Babu
Secretary, NEC Group

Co-Patron

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

Convener

Dr. B. Venkata Siva
Professor, HOD, Dept. of Mechanical Engineering

Coordinators

Dr. P. Suresh Babu
Associate Professor, Dept. of Mechanical Engineering

Dr. M Venkannababu
Associate Professor, Dept. of Mechanical Engineering

ORGANIZING COMMITTEE

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Mr. M. Venkaiah	Mrs. D.Raghavendra
Mr. P.Srinivasa Rao	Mr. D.Ratna Babu
Mr. Ch.Sekhar	Mr. U.Nagaraju
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Mr. K.John Babu	Mr. A.Anka Rao
Mr. A.Pavan Kumar	Mr. M.Mothilal Naik
Mr. P.Kiran Kumar	Mr. V.Swamulu

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NARASARAOPETA
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(AUTONOMOUS)

Schedule

Short Term Courses on 3D and 4D Printing Applications from 19/08/2024 to 23/08/2024

	9:30 AM To 11:00 AM	11:00 AM To 11.15 AM	11.30 AM To 1.00 PM	1.15 PM To 2:00 PM	2:30 PM To 4.00 PM
19-08-2024	Session 1 **Overview of 3D/4D printing** Prof. Rupinder Singh	Tea	Session 2 **Design of experiments** Prof. Sanjeev Kumar	Lunch	Session 3 **Lab Session on 3D Printing of recycled thermoplastic and international standards – I (On-site)** Prof. Rupinder Singh
20-08-2024	Session 4 **Sensors for 3D Printing** Dr. S.S.Dhami	Tea	Session 5 **Finite element modeling** Prof. A.P Singh	Lunch	Session 6 **Lab Session on 3D Printing of metal and international standards – II (On-site)** Prof. Rupinder Singh
21-08-2024	Session 7 **Modeling of Engineering systems** Dr. Md. Talha	Tea	Session 8 **MATLAB programming for 3D Printing** Dr. S.S.Dhami	Lunch	Session 9 **3D Printing: Material characterization** Prof. Sanjeev Kumar
22-08-2024	Session 10 **Digital Twinning** Prof. Rupinder Singh	Tea	Session 11 **NEP Implementation** Prof. B.S.Pabla	Lunch	Session 12 **3D printing applications** Dr. K.S. Boparai
23-08-2024	Session 13 **TGA analysis for 3D printed parts** Dr. K.S.Boparai	Tea	Session 14 **3D Printing in dental veterinary application** Prof. Arun Anand	Lunch	**Valediction**

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Dr. Rupinder Singh)
Course Coordinator

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

PARTICIPANTS LIST

Sr. No.	Application ID	Name(in Eng)	Institute(in Eng)	Institute Place(in Eng)	Institute State(in Eng)	Venue	AICTE Approved	Designation	Occupation	Registration & Certification Fee (Rs.)* Inclusive of 18% GST	Paid status	Email	Mobile	Edit
1	ICT-12724172897	AMBATI ANKARAO	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	ambatiankarao87@gmail.com	9948753173	Edit
2	ICT-12724172865	DANTHAM RAGHAVENDRA	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	raghavi328@gmail.com	9502582263	Edit
3	ICT-12724172795	DR B VENKATA SIVA	Narasaraopeta Engineering college	NARASARAOPETA, GUNTUR	Andhra Pradesh	Narasaraopeta Engineering College (Autonomous)	YES	PROFESSOR	faculty	118	paid	venkatasivanec@gmail.com	9692464540	Edit
4	ICT-12724172901	KANDRU JOHN BABU	NARASARAOPETA ENGINEERING COLLEGE	NARASARAPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	kandrujohn@gmail.com	9502119613	Edit
5	ICT-12724172896	MEGHAVATHU MOTHILAL NAIK	M.mothilal naik	NARASARAOPET	Andhra Pradesh	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	swamimothi@gmail.com	8977119366	Edit
6	ICT-12724172875	U.NAGARAJU	NEC	NARASARAO PET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	LECTURER	faculty	118	paid	nagaraju.ismc@gmail.com	9963369076	Edit
7	ICT-12724172900	PATHURI.SRINIVASARAO	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	pathuri.srinivasaraomtech@gmail.com	9949841040	Edit

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8	ICT-12724172827	PENUGONDA SURESH BABU	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSOCIATE PROFESSOR	faculty	118	paid	sureshbabudevi.p@gmail.com	8500857969 Edit
9	ICT-12724172799	PILLI SRAVANI	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	sravanisravz304@gmail.com	8008310265 Edit
10	ICT-12724172867	RATNABABU DONDAPATI	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	dondapatiratnababu@gmail.com	9010104834 Edit
11	ICT-12724172826	SEKHAR CHINTHAMREDDY	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	sekhar.chinthamreddy@gmail.com	9908815648 Edit
12	ICT-12724172899	THELLA ASHOK KUMAR	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	ashokmamlee@gmail.com	8885222328 Edit
13	ICT-12724172884	VENKAIAH MANDULA	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASST.PROFESSOR	faculty	118	paid	venkat.mandula304@gmail.com	9966858269 Edit
14	ICT-12724172825	VENKANNABABU MENDI	NARASARAOPETA ENGINEERING COLLEGE	NARASRAOPETA	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSOCIATE PROFESSOR	faculty	118	paid	venkannababu.mendi@gmail.com	9985808908 Edit
15	ICT-12724172885	VULLERU SWAMULU	NARASARAOPETA ENGINEERING COLLEGE	NARASARAOPET	ANDHRA PRADESH	Narasaraopeta Engineering College (Autonomous)	YES	ASSISTANT PROFESSOR	faculty	118	paid	swamulu619@gmail.com	9505686864 Edit

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Attendance sheet

NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH
SECTOR 26, CHANDIGARH – 160 019
Mechanical Engineering Department (ICT 127)

SHORT TERM COURSE ON 3D AND 4D PRINTING

Duration/ Date: 19th to 23th August, 2024
Remote Center: Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India.

ATTENDANCE SHEET OF SHORT TERM COURSE

S. No	Name, Designation, Institute and Place	Session	SIGNATURE				
			19.08.2024	20.08.2024	21.08.2024	22.08.2024	23.05.2024
1.	AMBATI ANKARAO, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					
2.	ARIGELA PAVAN KUMAR, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					
3.	DANTHAM RAGHAVENDRA, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					
4.	DR. B VENKATA SIVA, Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					
5.	KANDRU JOHN BABU, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					

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

6.	KIRAN CHAND KOPILA, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN						
		AN						
7.	MEGHAVATHU MOTHILAL NAIK, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN						
		AN						
8.	PATHURI.SRINIVASARAO, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN						
		AN						
9.	PENUGONDA SURESH BABU, Associate Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN						
		AN						
10.	PILLI SRAVANI, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN						
		AN						
11.	RATNABABU DONDAPATI, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN						
		AN						
12.	SEKHAR CHINTHAMREDDY, Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN						
		AN						

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(AUTONOMOUS)
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13.	**THELLA ASHOK KUMAR,** Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					
14.	**VENKAIAH MANDULA,** Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN	M Ven	M Ven	M Ven	M Ven	M Ven
		AN	M Ven	M Ven	M Ven	M Ven	M Ven
15.	**VENKANNABABU MENDI,** Associate Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					
16.	**VULLERU SWAMULU,** Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					
17.	**U NAGARAJU,** Assistant Professor, Narasaraopeta Engineering College (Autonomous), Narasaraopet, Guntur, Andhra Pradesh, India	FN					
		AN					

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

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

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(AUTONOMOUS)

Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Department of Mechanical Engineering

Date: 25-08-2024

PROGRAMME REPORT

Name of the Programme : A one week FDP on

"3D & 4D PRINTING"

Dates : **19th – 23rd August, 2024**

Details of the Coordinator : **Dr. Rupinder Singh, NITTTR-CHANDIGARH**

Course Coordinator : **Dr. P. Suresh Babu,**
Associate Professor, Dept. of Mechanical Engineering,
8500857969,drsureshbabu@nrtec.in

: **Dr. M Venkannababu,**
Associate Professor, Dept. of Mechanical Engineering,
9985808908, venkannababu.mendi@gamil.com

OBJECTIVE OF THE PROGRAMME:

This training programme is specially designed for Faculty members and it mainly deals with various aspects 3D & 4D Printing.

THE COURSE AIMS TO ACHIEVE THE FOLLOWING OBJECTIVES:

- Understand the fundamentals and evolution of 3D and 4D printing.
- Learn the principles of additive manufacturing and its techniques.
- Explore the materials used in 3D and 4D printing and their properties.
- Gain hands-on experience in designing and fabricating 3D printed objects.
- Analyze the role of smart materials and stimuliresponsive behavior in 4D printing.
- Apply 4D printing to real-world engineering, biomedical, aerospace, and manufacturing applications.
- Critically evaluate the limitations, ethics, and future trends in additive manufacturing.

TOPIC COVERED:

- Overview of 3D/4D Printing.
- Design of Experiments
- Lab Session on 3D Printing of recycled thermoplastic and international standards – I (On-site)
- Sensors for 3D Printing
- Finite Element Modeling
- Lab Session on 3D Printing of metal and International standards – II (On-site)

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- ❖ Modeling of Engineering Systems
- ❖ MATLAB Programming for 3D Printing
- ❖ 3D Printing: Material characterization
- ❖ Digital Twinning
- ❖ NEP Implementation
- ❖ 3D printing Applications
- ❖ TGA analysis for 3D printed parts
- ❖ 3D Printing in Dental Veterinary Application.

OUTCOME OF THE PROGRAMME:

1. Knowledge-Based Outcomes

- Understand the fundamental principles and working of Additive Manufacturing (AM).
- Gain in-depth knowledge of 3D printing technologies, materials, and their properties.
- Explore the concept of 4D printing, involving smart materials and time-dependent transformations.
- Learn about design for additive manufacturing (DfAM) and its importance in product innovation.
- Awareness of the evolution, types, and limitations of 3D and 4D printing technologies.

2. Skill-Based Outcomes

- Ability to design 3D models using CAD software (e.g., SolidWorks, Fusion 360).
- Hands-on training in 3D printer setup, slicing software, and post-processing techniques.
- Learn to select appropriate materials and printing parameters for specific applications.
- Develop basic programming/scripting knowledge to simulate 4D printing material behaviour.
- Practice troubleshooting and maintenance of 3D printing systems.

3. Application & Professional Development Outcomes

- Apply 3D/4D printing in prototyping, product design, biomedical, aerospace, and other sectors.
- Design and develop interactive learning modules or mini-projects for student engagement.
- Encourage interdisciplinary research combining smart materials, IoT, and manufacturing.
- Foster innovation and entrepreneurship through customized, low-cost product development.
- Ability to mentor students on 3D/4D printing-based projects, competitions, or startups.
- Understand intellectual property rights (IPR) and patenting opportunities in additive manufacturing.

No. of Participants: 17

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

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(AUTONOMOUS)

Press Note &Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.
(Sponsored by Gayatri Educational Development Society), Narasaraopet.
Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF : 2022 (251-300 Band)
Accredited by NBA (CSE, ECE, ME) & NAAC "A+" Grade, ISO 9001 : 2015 Certified Institution.
08647-239904 Visit us at : www.nrtec.in e-mail : principal@nrtec.in

Press Note

23.08.2024

ఎన్.ఈ.సీ లో "3D అండ్ 4D ప్రింటింగ్ " పై ముగిసిన వారం రోజుల ఉపాధ్యాయ శిక్షణా తరగతులు

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాల IQAC మరియు మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో NITTTR చండీగర్ అధ్యాపక బృందం పర్యవేక్షణలో **"3D అండ్ 4D ప్రింటింగ్ " (3D and 4D Printing)** అనే అంశంపై వారం రోజుల అధ్యాపక శిక్షణా తరగతులు ఈ రోజు న ముగిశాయని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు తెలియజేశారు.

కళాశాల వైస్ పిన్సిపాల్ డాక్టర్ డి. సునీల్ గారు గారు మాట్లాడుతూ ఈ వారం రోజుల శిక్షణ శిబిరంలో 3D అండ్ 4D ప్రింటింగ్ యొక్క ఆవశ్యకత, డిజైన్ అఫ్ ఎక్స్పెరిమెంట్స్, సెన్సార్స్ ఫర్ 3D ప్రింటింగ్ , ఫ్యనైతే ఎలిమెంట్ మోడలింగ్ , MATLAB ప్రోగ్రామింగ్ ఫర్ 3D ప్రింటింగ్ , డిజిటల్ ట్విన్నింగ్, NEP (National Education Policy) ఇంప్లీమెంటేషన్, 3D ప్రింటింగ్ అప్లికేషన్స్, TGA (Thermogravimetric) ఎనాలిసిస్ ఫర్ 3D ప్రింటెడ్ పార్ట్స్ మొదలగు అంశాలపై అధ్యాపకులకు శిక్షణ ఇచ్చారన్నారు.

కళాశాల పిన్సిపాల్ డాక్టర్ ఎస్.వెంకటేశ్వర్లు గారు మాట్లాడుతూ ఈ 3D ప్రింటింగ్ ని గృహ నిర్మాణాలకు, మెడికల్ రంగం లో టిష్యూస్, ఆర్గానోయిడ్స్, సర్జికల్ టూల్స్, ఇంప్లాంట్స్, బయోమెడికల్ డివైసెస్ మొదలైన వాటిని తయారుచేయడానికి కృషి చేస్తున్నారని తెలియజేశారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు మాట్లాడుతూ మెడికల్, ఏరోనాటికల్, డిఫెన్స్ తదితర రంగాలలో వాడుతున్న ఈ త్రీడీ ప్రింటింగ్ విశిష్టతను గుర్తించి తమ కళాశాలలో ఈ త్రీడీ ప్రింటింగ్ ల్యాబ్ ని ఏర్పాటు చేశామని తద్వారా విద్యార్థులకు ఉద్యోగ అవకాశలు మరింతగా పెరుగుతాయని అన్నారు.

కళాశాల సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు మాట్లాడుతూ తమ కళాశాలలో అధ్యాపకులకు మరియు విద్యార్థులకు ఆధునిక పరిజ్ఞానం పై నిర్వహిస్తున్న ఇలాంటి కార్యక్రమాలు వారి పురోభివృద్ధికి మరియు అభ్యున్నతికి ఎంతగానో ఉపయోగపడతాయని తెలిపారు

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు NITTTR చండీగర్ అధ్యాపక బృందాన్ని, ఈ కార్యక్రమ నిర్వాహకులను మరియు సమన్వయకర్త డాక్టర్.ఎం.వెంకన్న బాబు గార్లను అభినందించారు

Dr. B.Venkata Siva
Head – Mechanical Eng. Dept., NEC
Cell: 9692464540

PRINCIPAL

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

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NARASARAOPETA ENGINEERING COLLEGE
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A One Week Faculty Development Program on

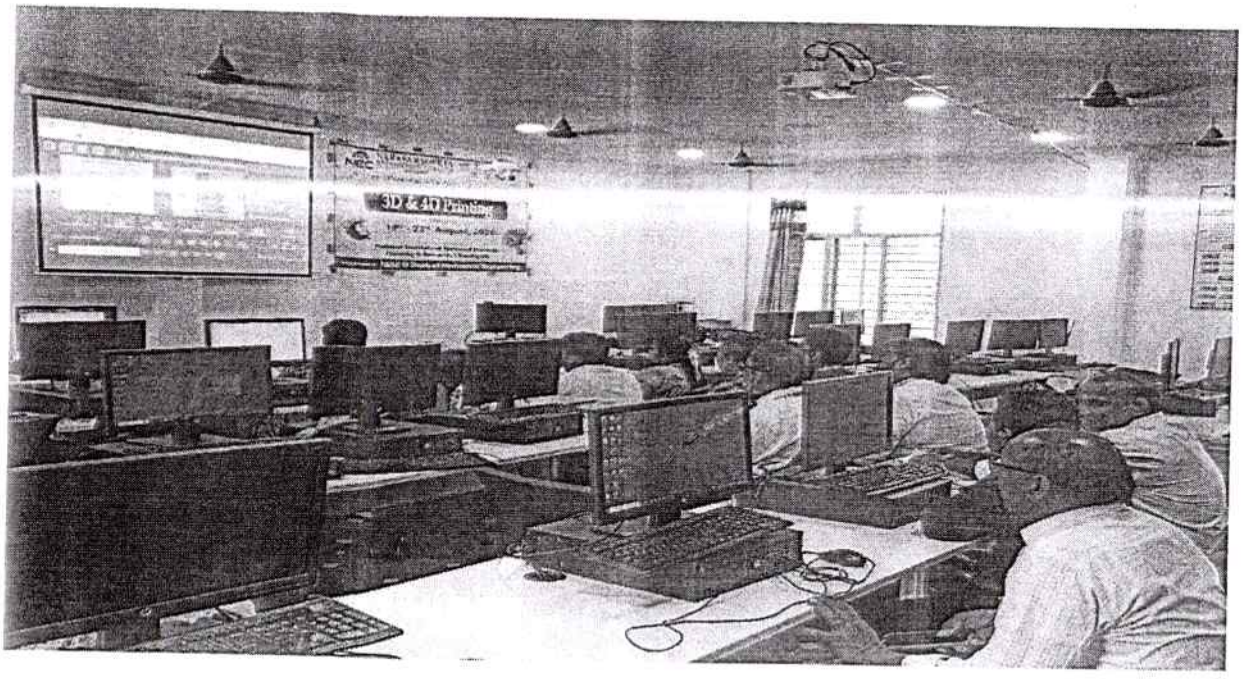
3D & 4D Printing

During

19th - 23rd August, 2024

In Association with
National Institute of Technical Teachers Training & Research, Chandigarh

Organized by : **IQAC & Dept. of Mechanical Engineering**



Coordinator

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

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

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Sample Certificates

Certificate No: ICT-9272/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

KANDRU JOHN BABU

NARASARAOPETA ENGINEERING COLLEGE, NARASARAPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

3D and 4D Printing

Conducted by

Mechanical Engineering Department

from

19/08/2024 to 23/08/2024 (One Week)

at

Narasaraopeta Engineering College (Autonomous)

Coordinator

Director

Principal

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

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Certificate No: ICT-9263/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

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VENKAIAH MANDULA

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

3D and 4D Printing

Conducted by

Mechanical Engineering Department

from

19/08/2024 to 23/08/2024 (One Week)

at

Narasaraopeta Engineering College (Autonomous)

CHANDIGARH

Coordinator

IQAC

Director

Principal
NARASARAOPETA ENGINEERING COLLEGE
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NARASARAOPET - 522 601, Palnadu (Dist.)

Certificate No: ICT-9269/24

National Institute of Technical Teachers Training and Research Chandigarh

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NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

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Narasaraopeta Engineering College (Autonomous)

CHANDIGARH

Coordinator

IQAC

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

Certificate No: ICT-9262/24

National Institute of Technical Teachers Training and Research Chandigarh

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NARASARAOPETA ENGINEERING COLLEGE, NARASRAOPETA ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

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

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Certificate No: ICT-9267/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

PILLI SRAVANI

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

3D and 4D Printing

Conducted by

Mechanical Engineering Department

from

19/08/2024 to 23/08/2024 (One Week)

at

Narasaraopeta Engineering College (Autonomous)

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(AUTONOMOUS)
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Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur district, Andhra Pradesh

Phone No. : 08647-239923, 9692464540, Fax No. : 08647-239902

Website:

DEPARTMENT OF CIVIL ENGINEERING

Date: 17-08-2024

CIRCULAR

Department of Civil Engineering is organizing a **Two weeks Training Program on "PRIMAVERA"** from **19/08/2024 to 31/08/2024** in association with **CPLR, Chennai** for civil faculty. Request all the faculty members to attend.

Program Convenor:

Dr. P. Naga Sowjanya, (8897170424)
Assoc Professor & HOD, Dept. of Civil

Mr. K. Jeyavignes, (9010288919)
Asst. Professor

IQAC

HOD

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

Copy to:

1. Chairman for Favour of Information
2. Principal
3. AO for Necessary arrangements
4. Department Notice Boards
5. Circulation to all staff members
6. All HODs

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NEC

NARASARAOPETA ENGINEERING COLLEGE

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Brochure

A Two weeks workshop
On
"PRIMAVERA"

19th – 31st AUGUST, 2024

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

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 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 weeks workshop
On
"PRIMAVERA"

19th – 31st AUGUST, 2024

In Association with
CPLR, Chennai.

CPLR Centre for Professional Learning & Research
(The Hi -end CAD / CAM /FEA / FEM Company)

Organized by
Department of Civil Engineering

NEC

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O)
Narasaraopet – 522601, Guntur District, A.P.

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited 'A+' Grade by NAAC, Accredited thrice by NBA

Phone : 08647 239906
FAX : 08647 239906
E-Mail : civilhod@nrtec.in

NARASARAOPETA ENGINEERING COLLEGE
PRINCIPAL
NARASARAOPET - 522 601, Palnadu (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:

CPLR is leading CAD/CAM Education and Training Company with a global presence has its headquarters at Tambaram, Chennai-India. It is an Autodesk Authorised Training centre in India. The company addresses business opportunities in the education segment with a thrust on long-term career courses and the high-end short-term courses in CAD/CAM, Multimedia and Soft Skills Training. CPLR has crossed the 60,000 students mark recently testimony to its academic quality, industry-relevant technology and assessment systems.

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.K.Prem Kumar, Senior CAD Engineer

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 CPLR

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. S. Venkateswarlu,
Principal, NEC

Convener:

Dr. Dr. P. Naga Sowjanya, M.Tech., Ph.D
Associate Professor & Head, Dept. of CE

Coordinator:

Mr. K. Jeyavignes, M.Tech
Assistant Professor, Dept. of CE

Organizing Committee:

Mr. K Anil kumar	Assistant Professor
Mr. M N S S Rao	Assistant Professor
Mr. N M Subhani	Assistant Professor
Mrs. A L Prasanna	Assistant Professor
Mr.SK.Saida	Assistant Professor
Mr.B.V.Srinivasa Rao	Assistant Professor
Mr.M.Venkatesh	Assistant Professor

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NEC

NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Schedule

ORGANIZING BY DEPARTMENT OF CIVIL ENGINEERING

TRAINING PROGRAM ON PRIMAVERA

COURSE SCHEDULE

S.No	DATE	SESSION	TIMING	TOPIC
1	19/08/2024	FN	09:30am to 12:40pm	Introduction to Primavera
		AN	01:30pm to 4:00pm	Creating Organization Breakdown Structure
2	20/08/2024	FN	09:30am to 12:40pm	Creating Enterprise Project Structure
		AN	01:30pm to 4:00pm	Creating Calendar
3	21/08/2024	FN	09:30am to 12:40pm	Creating project
		AN	01:30pm to 4:00pm	Creating a Work Breakdown structure
4	22/08/2024	FN	09:30am to 12:40pm	Adding activities
		AN	01:30pm to 4:00pm	Creating relationships between activities
5	23/08/2024	FN	09:30am to 12:40pm	Scheduling the project
		AN	01:30pm to 4:00pm	Course Evaluation – 1
6	24/08/2024	FN	09:30am to 12:40pm	Defining Resources
		AN	01:30pm to 4:00pm	Assigning Resources
S.No	DATE	SESSION	TIMING	TOPIC
7	26/08/2024	FN	09:30am to 12:40pm	Assigning Costs

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NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)

Attendance sheet

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS): NARASARAOPET

DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE SHEET: PRIMAVERA 1ST WEEK

S.NO	NAME OF THE FACULTY & DESIGNATION	ATTENDANCE											
		13-11-2023		14-11-2023		15-11-2023		16-11-2023		17-11-2023		18-11-2023	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Mrs K Yamuna Assistant Professor												
2	Mr P Naresh Assistant Professor												
3	Mr Shaik Sydha Assistant Professor												

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

Signature of the Coordinator

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS): NARASARAOPET

DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE SHEET: PRIMAVERA 2ND WEEK

S.NO	NAME OF THE FACULTY & DESIGNATION	ATTENDANCE											
		20-11-2023		21-11-2023		22-11-2023		23-11-2023		24-11-2023		25-11-2023	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Mrs K Yamuna Assistant Professor												
2	Mr P Naresh Assistant Professor												
3	Mr Shaik Sydha Assistant Professor												

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

Signature of the Coordinator

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Program Report

Date: 31/08/202

PROGRAMME REPORT

Name of the Programme : **A Two Weeks Training Program on "PRIMAVERA"**

Dates : 19/08/2024 to 31/08/2024

Details of the Resource Person

Name : Mr. K. Prem Kumar

Designation : Senior CAD Engineer

Organization : CPLR, Chennai

Phone No. : +91-8072221206

Email : premk.be@gmail.com

Objectives of the Programme:

- Challenges faced in large scale projects
- Importance of Project Management
- Efficient creation of Schedule
- Adding and assigning resources
- Estimating duration of the project
- Estimating budget for the project
- Levelling of resources
- Finding the critical path
- Managing multiple projects in Primavera

Topics Covered:

- Creating Organization Breakdown Structure
- Creating Enterprise Project Structure
- Creating Calendar and creating project
- Creating a Work Breakdown structure and adding activities
- Creating relationships between activities
- Scheduling the project and Course Evaluation

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Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF CIVIL ENGINEERING

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Four Times Accredited by NBA & NAAC "A+" Grade ISO 9001: 2015 Certified Institution
Phone: 08647-239912 e-mail: csehod@nrtec.in visit us at : www.nrtec.in

Press Note

ఎన్. ఈ. సి లో "ప్రిమవేరా"పై

ఇంజనీరింగ్ అధ్యాపకులకు 12 రోజుల శిక్షణ తరగతుల ప్రారంభం

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో సివిల్ ఇంజనీరింగ్ విభగ ఆధ్వర్యంలో ఇంజనీరింగ్ అధ్యాపకులకు "ప్రిమవేరా"పై 12 రోజులు శిక్షణా తరగతులు ప్రారంభించినట్లు కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

శిక్షణ తరగతులు ప్రారంభ కార్యక్రమములో ముఖ్యఅతిథులుగా సీనియర్ కాఫ్ ఇంజనీర్ కే. ప్రేమ్ కుమార్

శిక్షకులుగా వ్యవహరించి అధ్యాపకులకు "ప్రిమవేరా" కి సంబంధించి చాలా అంశాలు గురించి వివరించారు.

ఈ సందర్భగా కళాశాల ప్రిన్సిపల్ డాక్టర్ .సి .వెంకటేశ్వరులు గారు మాట్లాడుతూ అధ్యాపకులను ఉద్దేశించి ప్రస్తుత సాఫ్ట్వేర్ ఇంజనీరింగ్ లో "ప్రిమవేరా" ద్వారా చాలా ఉద్యోగ అవకాశములు విద్యార్థులకు అందించుటకు అధ్యాపకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు కల్పించారని ,అధ్యాపకులకు 12 రోజులు శ్రద్ధగా శిక్షణ తీసుకుని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

సివిల్ ఇంజనీరింగ్ విభగ అధిపతి డాక్టర్ పి. నాగ సౌజన్య గారు మాట్లాడుతూ ,ఈ 12 రోజుల శిక్షణ యందు "ప్రిమవేరా "అప్లికేషన్స్ మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు,

మరియు ఈ తరగతులకు 6 గురు ఇంజనీరింగ్ అధ్యాపకులు పాల్గొన్నారు అని తెలిపారు.

ఈ కార్యక్రమంలో కళాశాల చైర్మన్ మిట్టపల్లి కోటేశ్వరావు గారు కళాశాలలోని ప్రతి ఒక్కఅధ్యాపకులు సంవత్సరంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వాలని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భగా గుర్తు చేశారు.

కళాశాల సెక్రటరీ మెట్ప ల్లి రమేష్ గారు మాట్లాడుతూ, ఈ శిక్షణ తరగతులను నిర్వ హిస్తున్న సివిల్ఇంజనీరింగ్ విభాగాన్ని అభినందించారు.

ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు అధ్యాపకులు పాల్గొన్నారు.

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THE PRINCIPAL AND CIVIL HOD INAUGRATING PRIMAVERA TRAINING PROGRAM FOR FACULTY AT IOT LAB

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Sample Certificates

CPLR Centre for Professional Learning & Research
(The Hi -end CAD / CAM /FEA / FEM Company)

NEC

EXCELLENCE 25 ESTD 1998

CERTIFICATE

— OF PARTICIPATION —

This to Certify that

Mr./Ms. B.V. Srinivasarao, Assistant professor

has participated in the training program on "**Primavera**" conducted by Department of Civil Engineering, **Narasaraopeta Engineering College (Autonomous)** in association with **CPLR -Chennai** from 13th November 2023 to 25th November 2023

IQAC

Director
CPLR

HOD - Civil
NEC

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

Principal
NEC

No.12,Ramasamy Street,Tambaram West, Chennai - 600 045,Tamilnadu,India,Email : info@litaaacademy.com

CPLR Centre for Professional Learning & Research
(The Hi -end CAD / CAM /FEA / FEM Company)

NEC

EXCELLENCE 25 ESTD 1998

CERTIFICATE

— OF PARTICIPATION —

This to Certify that

Mr./Ms. K. Anil Kumar, Assistant professor

has participated in the training program on "**Primavera**" conducted by Department of Civil Engineering, **Narasaraopeta Engineering College (Autonomous)** in association with **CPLR -Chennai** from 13th November 2023 to 25th November 2023

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Director
CPLR

HOD - Civil
NEC

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(AUTONOMOUS)
NARASARAOPET - 522 601. Palnadu Dist. A.P.

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NEC

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CPLR Centre for Professional Learning & Research
(The Hi -end CAD / CAM /FEA / FEM Company)

NEC

EXCELLENCE 25 ESTD 1998

CERTIFICATE

— OF PARTICIPATION —

This to Certify that

Mr./Ms. Sk. Sydha, Assistant professor

has participated in the training program on "**Primavera**" conducted by Department of Civil Engineering, **Narasaraopeta Engineering College (Autonomous)** in association with **CPLR -Chennai** from 13th November 2023 to 25th November 2023

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Director
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HOD - Civil
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NARASARAOPET-522 601, Palnadu Dt.

Principal
NEC

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CPLR Centre for Professional Learning & Research
(The Hi -end CAD / CAM /FEA / FEM Company)

NEC

EXCELLENCE 25 ESTD 1998

CERTIFICATE

— OF PARTICIPATION —

This to Certify that

Mr./Ms. M. venkatesh, Assistant professor

has participated in the training program on "**Primavera**" conducted by Department of Civil Engineering, **Narasaraopeta Engineering College (Autonomous)** in association with **CPLR -Chennai** from 13th November 2023 to 25th November 2023

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NARASARAOPET - 522 601, Palnadu (Dt.), A.P.

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5G and Its use cases

NEC

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Circular

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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

DEPARTMENT OF Electronics & Communication Engineering

Date: 20-07-2024

CIRCULAR

Department of Electronics & Communication Engineering organizing A Five Day Faculty Development Programme on **"5G AND ITS USE CASES"** from 29-07-2024 to 02-08-2024 in Association with NITTTR Chandigarh . Request all the faculty members to enroll the Program.

Programme Coordinator : **Dr. J.Brahmaiah Naik** (9948927079)

IQAC HOD PRINCIPAL

Copy to:

1. Chairman for Favour of information
2. Principal
3. AO for necessary Arrangements
4. All HOD's
5. Circulation to all Staff members
6. Department Notice Boards

IQAC

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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Brochure

FDP ON
5G AND ITS USE CASES

29th July-02th Aug,2024

REGISTRATIONFORM

Name:

Designation:

Mobile: _____

CollegeName: _____

E Mail: _____

AreaofResearch:_____

Accommodation required: Yes/No

Registration Fee: **Rs 300/-**

Signature of the Applicant

Note: The scanned copy of duly filled applicationform should be send to ecehod@nrtec.inon or before 01-06-2023.

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____
is working inour institution / Organization and ishere by sponsored to participate in FDP on "5G AND ITS USE CAGES" at Narasaraopeta Engineering College, Narasaraopet.

Place :
Date :
Signature of theHeadoftheInstitution

IQAC

Topics to becovered:

5G Concepts

Introduction to MATLAB, MATLAB Programming Concept & Teaching with MATLAB

5G Network in a Box

Propagation Models for 5G

Security Issues and Solutions

NOMA

Machine Learning for 5G Communication

Designing 5G systems in MATLAB

Software Defined Networks Concepts and Hands on (Network Slicing

Impartment Dates:

Last Date for Registration:**01st June,2023**

Date of Confirmation:**02nd June,2023**

Who Shall Participate?

The FDP is aimed at the multifaceted audience fromindustry, full time research scholars, PGstudentsand academicians from various Engineering colleges of ECE, EEE,CSE,IT and MCA departments.

Accommodation:

Limited Accommodation will beprovided for outstation participants on prior request.

For Accommodation contact::9440664462

Note: As the seats are limited, the selection is basedon first comefirst servebasis.

FDP ON

5G AND ITS USE CASES

29th July-02th Aug,2024

In association with

NITTTR, Chandigarh

Organizedby

Department of Electronics

&

Communication Engineering

NEC

NARASARAOPETAENGINEERINGCOLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda
(P.O)Narasaraopet–
522601,PalnaduDistrict,A.P.
ApprovedbyAICTE,PermanentlyAffiliatedtoJNTUK,

Phone : **08647-239904**
FAX : **08647-239902**
E-Mail : **ecehod@nrtec.**

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

ABOUTTHECOLLEGE

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 autonomousinstitution of higher learning & knowledge in the heart of Palanadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A+' Grade byNAAC and Accredited Quadruple by NBA. NEC is announced as'AUTONOMOUS' in the year 2016. The college has launchedIncubation Centre where the students canimplement theirideas. The college has an MOU with Oracle University USA.The college has AP CM Excellence centre, AI&ML centre and MSME centre. The college offers Seven M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Techlevel in the branches EEE, CSE, CSE-AI, IT,CSE-AI&ML, CSE-CS, CSE-DS, ECE, ME and CIVIL. Thecollege has well equipped laboratories and computers. MicrosoftInnovationCentrewasestablishedi nthecollege.

In order to build a vibrant entrepreneurship ecosystemVenture Development Centre (VDC) is established inassociation with i2E North Eastern University, USA andAPSSDC. Also, the college has Indo-European skilling Centrefor Mechatronics and Industrial Robotics in collaboration withAPSSDC and ARC (Applied Robot Control), Germany. APCM's Skill Excellence Center is also established to providestudents access to the most advanced courses

The department has good infrastructural facilities and hasfull-fledged laboratories equipped with adequate state of the art equipment and latest software. The UG programme of the department is accredited Quadruple by NBA. The department hasEmbedded Systems and Robotics Lab which was established under IIT Bombay E-Yantra Project. The department hasvibrant atmosphere for the students to emphasize on fundamentals and concepts focusing on analysis and design ofvarious applications to fulfill the needs of industry. Thedepartment encourages faculty members and research scholarstocarryouttheirresearch.

ABOUTTHE FDP

FDP on "5G AND ITS USE CAGES" provides an excellent opportunity for faculty and researchers to learn new ideas in the field of VLSI, Communications and AI, ranging from decisionmaking systems for remote access& discovering novel biomedical knowledge for diseasetreatment using Machine Learning & Deep Learning techniques. The aim of FDPis to provide a platform, where researchers and academicianscan get hands-on training and share theirknowledge witheach other and enhance their research skills. Faculty membersare able to get deep insight into the details of advanced techniques in A IOT for different applications. As a result, the facultymembers participated in this program may propose new algorithmsinthis field.

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Schedule

National Institute of Technical Teachers Training and Research, Chandigarh
Electronics and Communication Engineering Department

Online STC on
"5G and Its Use Cases"
(O.PLAN No. ICT-30)
w.e.f. 29/07/24 to 02/08/24
by NITTTR, CHANDIGARH
TENTATIVE TIME-TABLE

DAY	Session - 1 10:00 AM to 11:30 AM	Session - 2 11:45AM to 1:15 PM	Session-3 2:30 PM - 4:00 PM
DAY-1 29/07/24	5G Concepts (GS)	Introduction to MATLAB, MATLAB Programming Concept & Teaching with MATLAB (MK)	Assignment (GS)
DAY-2 30/07/24	5G Network in a Box (GK)	Propagation Models for 5G (GS)	Assignment (GS)
DAY-3 31/07/24	Security Issues and Solutions (PA)	NOMA BK	Assignment (GS)
DAY-4 01/08/24	Machine Learning for 5G Communication (PV)	Designing 5G systems in MATLAB (PR)	Assignment (GS)
DAY-5 02/08/24	Software Defined Networks Concepts and Hands on (VG)	Network Slicing (VG)	Discussion & Valediction (GS)
In addition to the live sessions, participants shall be provided related study material and assignments through Google classroom. Assignment submission is compulsory.			

PR: Mr. Pratyush Roy, Mathworks, Bengaluru
MK: Mr. Manoj Kumar, DesignTech Systems Pvt. Ltd., New Delhi
GS: Dr. Garima Saini, NITTTR, Chandigarh
GK: Mr. Gaurav Kumar , Amantaya Technologies, New Delhi
PA: Dr. Priyanka Ahlawat, NIT, Kurukeshtra
BK: Dr. Brijesh Kumbhani, IIT, Ropar
PV: Dr. Pankaj Verma, NIT Kurukshetra
VG: Mr. Vipin Gupta, U-Net Solutions, Moga

IQAC

Course Coordinator:
Dr. Garima Saini, Assistant Professor, ECE Deptt, NITTTR, Chandigarh

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(AUTONOMOUS)

Attendance sheet

Attendance Sheet for the remote Centre STC Participants

Name of the Course: - **5G and its Use cases**
O Plan No. : **ICT-30**
Venue: - **ECE Seminar Hall**
Dates: - **29/07/24 to 02/08/24**

S. No.	Application ID	Participant Name	Institute Name	Signatures				
				Day 1 Date: 29/07/24	Day 2 Date: 30/07/24	Day 3 Date: 31/07/24	Day 4 Date: 01/08/24	Day 5 Date: 02/08/24
1	ICT-3024167305	Dr. V. Venkata Rao	NEC					
2	ICT-3024167406	Dr. K. Raju	NEC					
3	ICT-3024167176	Dr.J.Brahmaiah Naik	NEC					
4	ICT-3024167388	Dr. A. V. Nageswara Rao	NEC					
5	ICT-3024167355	Dr. Shaik Bajid Vali	NEC					
6	ICT-3024167346	Dr.Y.Jaipal Reddy	NEC					
7	ICT-3024167316	Dr. B. Suneetha	NEC					
8	ICT-3024167303	Dr.Sk.Ebraheem khaleellulla	NEC					
9	ICT-3024167333	Dr.K.SRINIVASA RAO	NEC					
10	ICT-3024167359	Mr. P.S.S. Chakravarthy	NEC					

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Local Coordinator

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

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(AUTONOMOUS)
Signature of the Institution
NARASARAOPET-522 601
Guntur (Dist.), A.P.

Attendance Sheet for the remote Centre STC Participants

Name of the Course: - **5G and its Use cases**
O Plan No. : **ICT-30**
Venue: - **ECE Seminar Hall**
Dates: - **29/07/24 to 02/08/24**

S. No.	Application ID	Participant Name	Institute Name	Signatures				
				Day 1 Date: 29/07/24	Day 2 Date: 30/07/24	Day 3 Date: 31/07/24	Day 4 Date: 01/08/24	Day 5 Date: 02/08/24
11	ICT-3024167387	Mr. J. Narasimha Rao	NEC					
12	ICT-3024167314	Dr. Sk. Nannu saheb	NEC					
13	ICT-3024167327	Dr.B.Siva Nageswara Rao	NEC					
14	ICT-3024167353	Mr. V. Naveen Raja	NEC					
15	ICT-3024167351	Mr. A. Raveendra Babu	NEC					
16	ICT-3024167324	Mrs. T. Indira	NEC					
17	ICT-3024167364	Mr. Ch. Adi Babu	NEC					
18	ICT-3024167309	Mr.Ch.Seshu Kumar	NEC					
19	ICT-3024167337	Mr.Sk.Md.Shareef	NEC					
20	ICT-3024167331	Mr.P.Jaya Babu	NEC					

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Head of the Institution
NARASARAOPET - 522 601

Attendance Sheet for the remote Centre STC Participants

Name of the Course: - **5G and its Use cases**
O Plan No. : **ICT-30**
Venue: - **ECE Seminar Hall**
Dates: - **29/07/24 to 02/08/24**

S. No.	Application ID	Participant Name	Institute Name	Signatures				
				Day 1 Date: 29/07/24	Day 2 Date: 30/07/24	Day 3 Date: 31/07/24	Day 4 Date: 01/08/24	Day 5 Date: 02/08/24
21	ICT-3024167319	Dr. Md. Javeed Ahamammed	NEC					
22	ICT-3024167306	Mr.D.Suneel	NEC					
23	ICT-3024167358	Mr.G.S.J.Victor	NEC					
24	ICT-3024167317	Mrs.P.Vinuthna	NEC					
25	ICT-3024167329	Mr.G.RAMANA REDDY	NEC					
26	ICT-3024167371	Mr.M.B.NARENDRA	NEC					
27	ICT-3024167352	Mr.A.RAMESH	NEC					
28	ICT-3024167361	Mr.B.Baloji Naik	NEC					
29	ICT-3024167363	Mr.B.Babu Rao	NEC					
30	ICT-3024167392	Dr.Y.LAKSHMAIAH	NEC					
31	ICT-3024167318	Mrs.G.Rajavali	NEC					

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

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(AUTONOMOUS)
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Program Report

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

DEPARTMENT OF Electronics & Communication Engineering

Date: 03-08-2024

PROGRAMME REPORT

Name of the Programme: **Five day** Faculty development program on **5G AND ITS USE CASES** in association with National Instute of Technical Teachers Training and Research (**NITTTR**), Chandigarh

Dates: **29-07-2024 to 02-08-2024**

Coordinator: **Dr. J. Brahmaiah Naik**

Resource persons:

1. Name : Dr. Garima Saini
   Designation : Professor
   Organization : NITTTR
2. Name Dr. Brijesh Kumbhani,
   Designation : Associate Professor
   Organization : IIT, Ropar
3. Name Dr. Priyanka Ahlawat,
   Designation : Associate Professor
   Organization : NIT, Kurukeshtra
4. Name :Dr. Pankaj Verma
   Designation : Associate Professor
   Organization : NIT, Kurukeshtra
5. Name :Mr. Pratyush Roy,
   Designation : Developer
   Organization : Mathworks, Bengaluru
6. Name : Mr. Manoj Kumar,
   Designation : Developer
   Organization : DesignTech Systems Pvt. Ltd.,
7. Name : Mr. Gaurav Kumar,
   Designation :Manager
   Organization : Amantaya Technologies
8. Name : Mr. Vipin Gupta,
   Designation : Manager
   Organization : , U-Net Solutions, Moga

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Objective of the programme:

This FDP will provide an opportunity to learn recent research and development in the area of wireless technologies that are related to 5G from eminent experts from IITs, NITs and the industrial persons. . The participants will have exposure to the state-of-the-art technology involved in 5th Generation in cellular communications, Non Orthogonal Multiple Access for Visible light communication Networks, and their applications. This FDP will provide a presentation as well as discussions.

Topic Covered:

- 5G Concepts
- Introduction to MATLAB, MATLAB Programming Concept & Teaching with MATLAB
- 5G Network in a Box
- Propagation Models for 5G
- Security Issues and Solutions
- NOMA
- Machine Learning for 5G Communication
- Designing 5G systems in MATLAB
- Software Defined Networks Concepts and Hands on (
- Network Slicing

Outcome of the programme:

The ultimate aim of the FDP is to provide a platform to disclose, discuss the scientific and technological events aimed to ignite the faculty and to continue relay.

- In the Field of wireless communication.
- In the Field of Artificial Intelligence.
- In the Field of Signal Processing. Using Mat works
- In the Field of Emerging Network Slicing Technologies.

No. of participants: 31 (from Local Remote Center)

Coordinator

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Press Note & Coverage

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(Sponsored by Gayatri Educational Development Society), Narasaraopet.
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యన్. ఇ. సి. లో "5జి అండ్ ఇట్స్ యూజ్ కేసెస్" పై జరిగిన వన్ వీక్ ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం

స్థానిక నరసరావు పేట ఇంజనీరింగ్ కళాశాల ఎలక్ట్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ విభాగం వారి ఆధ్వర్యంలో "5జి అండ్ ఇట్స్ యూజ్ కేసెస్" పై వన్ వీక్ ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రాం 29/07/2024 నుండి 02/08/2024 వరకు జరిగినదని కోఆర్డినేటర్ డా॥ జి. బ్రహ్మయ్య నాయుడు తెలిపారు.

ఈ కార్యక్రమాని మొదటి రోజు ముఖ్య అతిథిగా శ్రీ॥ ప్రథ్వీష్ రాయ్ మాథ్ వర్క్స్ బెంగళూరు పాల్గొన్నారు. శ్రీ॥ ప్రథ్వీష్ రాయ్ మ్యాట్‌లాబ్ ప్రోగ్రామింగ్ కాన్సెప్ట్స్ మరియు టెస్టింగ్ విత్ మ్యాట్‌లాబ్ పై పలు అంశాలను సోదాహరణంగా వివరించారు.

రెండవ రోజు ముఖ్య అతిథిగా శ్రీ॥ మనోజ్ కుమార్, డిజైన్ టెక్ సిస్టమ్స్ ప్రైవేట్ లిమిటెడ్, నూతన్ ఢిల్లీ పాల్గొని ప్రోగ్రామింగ్ మోడల్స్ ఫర్ 5జి అప్లికేషన్ అంశం పై అనగాహన కల్పించి, 5జి యొక్క ప్రవక్షతను మరియు ఉపయోగాలను సవివరంగా వివరించారు.

ఇ.సి.ఇ విభాగాధిపతి డా॥ వి. పెంచలరావు గారు ఈ కార్యక్రమం గురించి మాట్లాడుచూ, ఇలాంటి ఫ్యాకల్టీ డెవలప్ మెంట్ ప్రోగ్రామ్‌లు అధ్యాపకుల మానోసంపత్తిని పెంచుటకు దోహదపడతాయని అన్నారు.

ఈ కార్యక్రమాని కళాశాల ప్రిన్సిపాల్ డా॥ యస్. పెంచలేశ్వర్లు గారు, వైస్ ప్రిన్సిపాల్ డా॥ సునీల్ గారు పాల్గొన్నారు.

కళాశాల చైర్మన్ శ్రీ॥ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు, వైస్ చైర్మన్ శ్రీ॥ మిట్టపల్లి చంద్రవతి గారు, సెక్రటరీ శ్రీ॥ మిట్టపల్లి రమేష్ బాబు గారు, ఇ.సి.ఇ విభాగాధిపతి మరియు అధ్యాపకులను అభినందించి, ఇలాంటి కార్యక్రమాలు అధ్యాపకుల నైపుణ్య సముపార్జనకు ఎంతగానో ఉపయోగపడతాయని ప్రోత్సహించారు.

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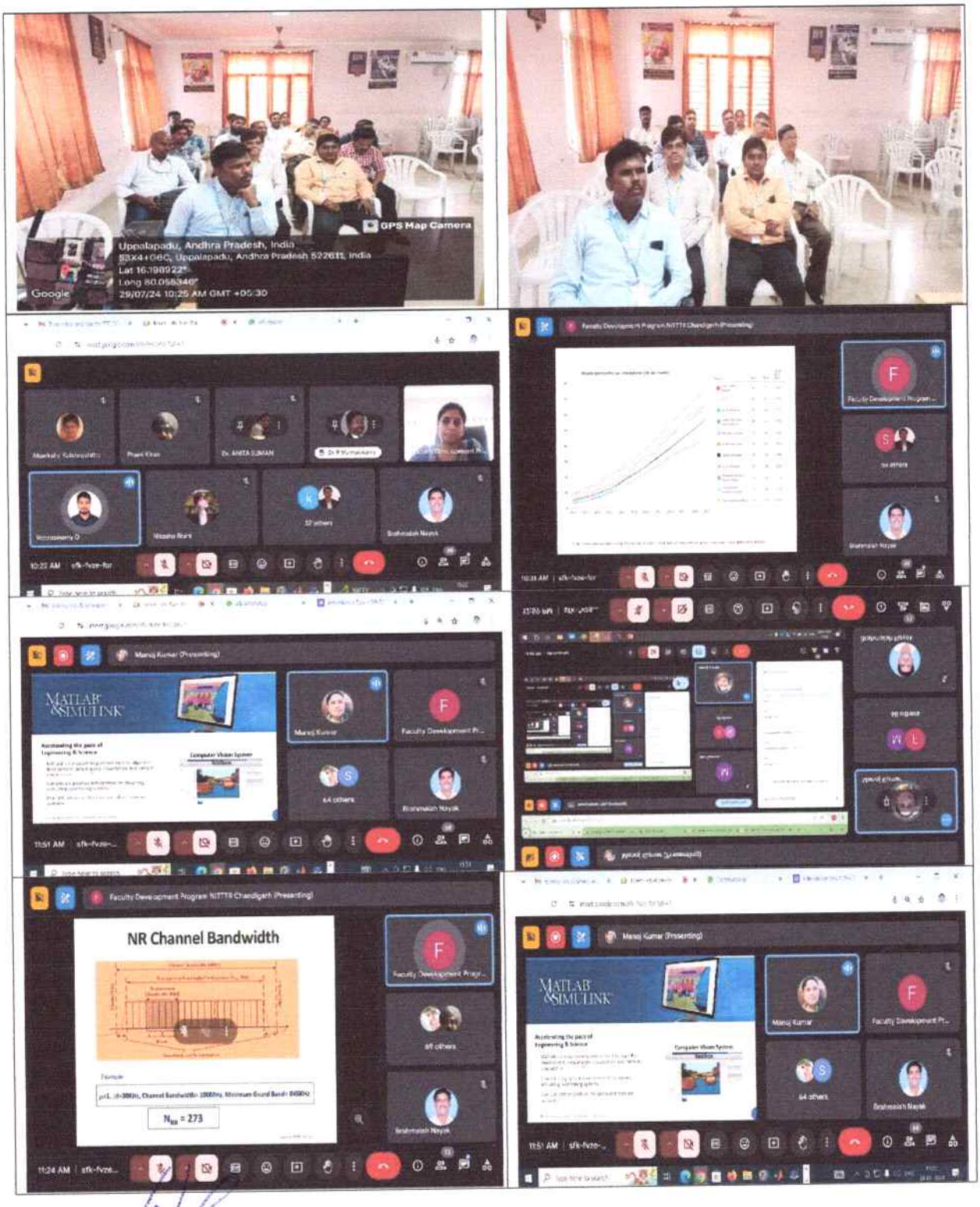
Photos

A Five Day Faculty Development Programme on **"5G AND ITS USE CASES"** from 29-07-2024 to 02-08-2024 in Association with NITTTR Chandigarh



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on

5G and its Use cases

Conducted by

Electronics and Communication Engineering Department

from

29/07/2024 to 02/08/2024 (One Week)

at

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

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from

29/07/2024 to 02/08/2024 (One Week)

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Coordinator

Principal
NARASARAOPETA ENGINEERING COLLEGE
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This is to certify that

SHAIK BAJIDVALI

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

5G and its Use cases

Conducted by

Electronics and Communication Engineering Department

from

29/07/2024 to 02/08/2024 (One Week)

at

Narasaraopet Engineering College, Andhra Pradesh

IQAC

Coordinator

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

Director

Certificate No: ICT-7673/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

SK EBRAHEEM KHALEELULLA

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

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

Director

Certificate No: ICT-7670/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

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TINDIRA

NARARASARAOPET ENGINEERING COLLEGE, NARASARAOPETA ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

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Electronics and Communication Engineering Department

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IQAC

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

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Coordinator

Director

Certificate No: ICT-7685/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

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JAIPAL REDDY YERUVA

Narasaraopeta Engineering College, NARASARAOPETA
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

5G and its Use cases

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Electronics and Communication Engineering Department

from

29/07/2024 to 02/08/2024 (One Week)

at

Narasaraopet Engineering College, Andhra Pradesh

IQAC

Coordinator

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

Director

Certificate No: ICT-7682/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

MD JAVEED AHAMMED

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

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Electronics and Communication Engineering Department

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Narasaraopet Engineering College, Andhra Pradesh

QAC

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

CHANDIGARH

Coordinator

Director

Certificate No: ICT-7684/24

National Institute of Technical Teachers Training and Research Chandigarh

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Certificate

This is to certify that

JAYABABU PAPAGANTI

NARSARAOPET ENGINEERING COLLEGE, NARSARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

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

Director

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This is to certify that

DR JATOTHU BRAHMAIAHAIK

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET
ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

5G and its Use cases

Conducted by

Electronics and Communication Engineering Department

from

29/07/2024 to 02/08/2024 (One Week)

at

NITTTR, Chandigarh

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

CHANDIGARH

Coordinator

Director

Certificate No: ICT-7668/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

VENKATA LAKSHMAIAH Y

NARASARAOPET ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

5G and its Use cases

Conducted by

Electronics and Communication Engineering Department

from

29/07/2024 to 02/08/2024 (One Week)

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JUPALLI NSRASIMHA RAO

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29/07/2024 to 02/08/2024 (One Week)

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

Director

Certificate No: ICT-7694/24

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

BALAYOGA NARENDRA M

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

on

5G and its Use cases

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Electronics and Communication Engineering Department

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29/07/2024 to 02/08/2024 (One Week)

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

CHANDIGARH

Coordinator

Director

Certificate No: ICT-7681/24

National Institute of Technical Teachers Training and Research Chandigarh

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Certificate

This is to certify that

NAVEEN RAJA VELCHURI

NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET ANDHRA PRADESH

Participated in the AICTE Recognized Faculty Development Programme

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

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NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

AI & Gen AI with Industry Applications

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Circular

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Four times Accredited by NBA & NAAC "A+" Grade ISO 9001: 2008 Certified Institution
Phone: 08647-239917 e-mail: csehod@nrtec.in visit us at : www.nrtec.in

Date: 10th July,2024.

CIRCULAR

All the Teaching staff members are here by informed that Department of Computer Science and Engineering is going to organize a one week Faculty Development Program on AI AND GEN AI WITH INDUSTRY APPLICATIONS from 16th - 22nd July,2024. All the registered Teaching staff are requested to attend the FDP without fail.

Venue : Computer Lab(2201), Block-2, Narasaraopeta Engineering College.

Coordinator : Dr. S. N. Tirumala Rao,

Professor & Head, Dept. of CSE

IQAC **HOD** **PRINCIPAL**

Copy to:

1. Chairman for Favour of Information
2. Principal
3. AO for Necessary arrangement
4. Department Notice Boards
5. Circulation to all Staff Members
6. All HOD's

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NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Brochure

Course Content:

- Implementing chatbots for customer service and technical support.
- Deploying deepfakes for mimicking people or even specific individuals.
- Improving dubbing for movies and educational content in different languages.
- Writing email responses, dating profiles, resumes and term papers.
- Creating photorealistic art in a particular style.

Resource Persons:

Mr.Hari Prabhu Manager,

Sr.Corporate Trainer, EXCELR.

IMPORTANT DATES:

- **Last date for Registration: 14/07/2024**
- **Intimation to Participants: 15/07/2024**

Any Information Contact:
Dr.S.N.Tirumala Rao, Coordinator,
Mobile: +918247394015,
Email:csehod@nrtec.in

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ABOUT THE COLLEGE

The Narasaraopet Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu Region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited 'A' Grade by NAAC and Accredited thrice by NBA. The college has three recognized R&D centers by JNTUK. NEC is conferred as 'AUTONOMOUS' in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with ByteXL to set up a Centre of Excellence (COE) within the campus to train students in the field of Cyber Security. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and Seven courses at B.Tech level in the branches EEE, CSE, IT, CSE (AI), ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 146 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps; 50 Cloud Apps and 100 Windows Apps are uploaded every year.In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM's Skill Excellence Center to provide students access to the most advanced courses by industry giants. The college has established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with ranked 3.5 Star Rating.

A One Week
Faculty Development Program

On

AI and GEN AI WITH INDUSTRY APPLICATIONS

16th – 22nd July,2024

In Association with
EXCELR

Organized

By

Department of
Computer Science and Engineerng

NEC
NARASARAOPETA
ENGINEERING COLLEGE

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

Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

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 Seven Ph.Ds. are awarded under our department.

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OBJECTIVE OF FDP

Artificial Intelligence is to design a technology that enables computer systems to work intelligently yet independently and to develop systems that are able to see, learn, and adapt just like human beings, but with great precision and efficiency. Imagine robots working on tasks tirelessly that stress you more even in the zone of disasters, Reduce human errors and perform various tasks with greater efficiency using intelligent systems.

Registration:

- The faculty members of the AICTE Approved institutions, PG & Research scholars from Government, Industry can participate in this FDP.
- Number of participants is limited to 200
- To register, please visit: https://forms.gle/6iwA5Ni3kc7z6W9J9
- There is No Registration Fee.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail.

Guidelines:

- A test shall be conducted by organizing committee at the end of the programme.
- E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.
- Last date for Registration: 14/07/2024.
- Intimation to Participants: 15/07/2024.

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. S.Venkateswarulu,
M.Tech., PhD ,Principal.

Convener

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

Coordinator

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

ORGANIZING COMMITEE

Dr. S.Siva Nageswara Rao

Dr K.S.M.V. Kumar

Dr.M.Sireesha

Dr.k.suresh Babu

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Schedule

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

ORGANIZING BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AI AND GEN AI WITH INDUSTRY APPLICATIONS-FDP

COURSE SCHEDULE

Date/Time	03:00 Pm – 03:45 Pm	03:45 Pm – 04:20 pm	04:20 pm – 05:00 pm
16-07-2024	**Introduction to AI** • What is Artificial Intelligence? • History & evolution • Types of AI (ANI, AGI, ASI) • Applications of AI in industry	**AI Foundations** • Intelligent Agents • Problem-solving techniques • Search strategies (BFS, DFS, heuristic search)	**Knowledge Representation** • Logic-based representation • Semantic networks • Ontologies
17-07-2024	**Introduction to Machine Learning** • Supervised, unsupervised, reinforcement learning • ML workflow	**ML Algorithms** • Regression & classification • Clustering techniques • Model evaluation (accuracy, precision, recall)	**ML Tools & Pipelines** • Scikit-learn basics • Data preprocessing • Feature engineering
18-07-2024	**Deep Learning Concepts** • ANN intro • Activation functions • Backpropagation	**Neural Network Architectures** • CNN, RNN, LSTM • Image & sequence models	**AI for Vision & Speech** • Object detection & classification • Speech recognition basics
19-07-2024	**Natural Language Processing (NLP)** • Text preprocessing • Tokenization, embeddings • Word2Vec, BERT basics	**Generative AI Fundamentals** • What is Generative AI? • Diffusion models • Applications of Gen AI	**Large Language Models (LLMs)** • LLM architecture • Transformer model • Training & fine-tuning LLMs
21-07-2024	**Prompt Engineering** • Prompt types • Zero-shot, few-shot prompting • Role-based prompting	**GenAI Tools** • ChatGPT, Gemini, Claude • Hugging Face models • Text, image, audio generation	**Building LLM Applications** • RAG (Retrieval Augmented Generation) • Vector databases • Prompt chaining
22-07-2024	**AI Ethics & Responsible AI** • Bias, fairness • Accountability & governance	**AI in Industry Applications** • AI in healthcare • AI in finance • AI in manufacturing & robotics	**Capstone Project** • Build an AI/GenAI-based project • Presentation & evaluation

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(AUTONOMOUS)

Attendance sheet

NARASARAOPET ENGINEERING COLLEGE : : NARASARAOPET (AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
FACULTY LIST ATTEND FDP (AI AND GEN AI WITH INDUSTRY APPLICATIONS)

S. No.	Name	16-07-2025	17-07-2025	18-07-2025	20-07-2025	21-07-2025	22-07-2025
1	Dr.S.N.Tirumala Rao						
2	Dr. S.V.N. Sreenivasu						
3	Dr. S.Siva Nageswara Rao						
4	V. Mahesh Babu						
5	Dr. O. Sambasiva Rao						
6	Dr. V. V. A. S. Lakshmi						
7	Dr G.Dilip Kumar						
8	Dr. B. Jayachandran						
9	Dr. G. Vijaya Kumar						
10	Dr. SK. Chand Basha						
11	Dr.S.Ganesh Babu						
12	Dr. M. Sireesha						
13	N. Vijay Kumar						
14	Dr. G. Siva Raman						
15	Dr. S. Venkatesan						
16	Dr. Vasantha Swaminathan						
17	Dr. R Ramnath						
18	Dr. T. Muni Sankar						
19	Dr.B.Srikanth						
20	Dr.Ch.Venkata Ratnam						
21	Dr.G.Prasanth						
22	Dr.P.Marimuthu.						
23	Dr.S.Janakiramudu						
24	Dr.Y.Lelakrishna						
25	Dr. A. Mahendar						
26	Dr. E. Rama Krishna						
27	Dr. M. Malyadri						
28	Dr. K. Ashok						
29	Dr. T. Nedunchezhian						
30	Sd. Rizwana						
31	Sk. Subhani						

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S. No.	Name	16-07-2025	17-07-2025	18-07-2025	20-07-2025	21-07-2025	22-07-2025
32	P. Swathi						
33	SK. Gousya Pyari						
34	Sk. Khaja Mohiddin Basha						
35	K. Rambabu						
36	M. Satyam Reddy						
37	Sk. Rafi						
38	K V.Narasimha Reddy						
39	Y. Chandana						
40	G. Srinadh						
41	BELLAMKONDA SIVAPRASAD						
42	R. Sowjanya						
43	D.V. Padmavathi						
44	Abburi Ramesh						
45	B. Dileep Kumar						
46	M. Koteswara Rao						
47	P. Sireesha						
48	P. Solman						
49	M. SYAMKUMAR						
50	SANKURI Deva Raju						
51	B. Sathish Kumar						
52	S. Chaitanya Bharathi						
53	P RAMADEVI						
54	D. Venkata Reddy						
55	G. Saranya						
56	M. Venkata Rao						
57	Ch. Rajani						
58	M. Suneetha						
59	M. Suresh						
60	T. G. Ramnadh Babu						

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(AUTONOMOUS)

Program Report

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

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

Date: 26th July ,2024.

Program Report

Name of the program
INDUSTRY APPLICATIONS : Faculty Development Program on AI AND GEN AI WITH

Date(s) of FDP : 16th – 22nd July ,2024.

Details of the Co- Ordinator:

Name	: Dr. S. N. Tirumala Rao.
Designation	: Professor & Head, Dept. of CSE.
Organization	: Narasaraopeta Engineering College.
Phone No.	: 9885271324
Mail-id	: csehod@nrtec.in

Details of the Resource Person(s):

Name	: Mr.Hari prabhu.
Designation	: Sr Corporate Trainer.
Organization	: Salesforce.
Phone No.	: 9177073858
Mail-id	: Hprabbhu@salesforce.com

Objective of the Program :

Artificial Intelligence is to design a technology that enables computer systems to work intelligently yet independently and to develop systems that are able to see, learn, and adapt just like human beings, but with great precision and efficiency. Imagine robots working on tasks tirelessly that stress you more even in the zone of disasters, Reduce human errors and perform various tasks with greater efficiency using intelligent systems. Intelligent systems can perform challenging tasks that are beyond human reach. The overall research goal of artificial intelligence is to create technology that allows computers and machines to work intelligently. Where as on the other hand Generative AI refers to unsupervised and semi-supervised machine learning algorithms that enable computers to use existing content like text, audio and video files, images, and even code to create new possible content. The main idea is to generate completely original artifacts that would look like the real deal.

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Topics Covered

1 Introductio to Artificial Intelligence.
.Image Recognition .Traffic Prediction .Medical Diagnosis .Self Driving Cars
2 Introductio to Machine Learning.
.Supervised Learning .Unsupervised Learning .Semi Supervised Learning .Reinforcement Learning
.K-Means Clustering .Cross-Validation .Overfitting .Under Fitting
3 Introductio to Deep Learning
.Fraud detection .Customer service .Predictive analytics .Industrial

GEN AI

- Implementing chatbots for customer service and technical support.
- Deploying deepfakes for mimicking people or even specific individuals.
- Improving dubbing for movies and educational content in different languages.
- Writing email responses, dating profiles, resumes and term papers.
- Creating photorealistic art in a particular style.
- Improving product demonstration videos.
- Suggesting new drug compounds to test.

.Outcome of the program

After completion of this program, the faculty are able to

- Analyze AI frameworks and platforms to improve,organizational,and technology outcomes.
- Improving organizational intelligence using a holistic approach to enterprise systems.
- Design user interfaces to improve human–AI interaction and real-time decision-making.
- Develop bots to automate organizational processes from end to end.

No. of Participants : 60

Coordinator

Dr. S. N. Tirumala Rao.

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Principal
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

HoD-CSE

Dr.S. N. Tirumala Rao

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Kotappakonda Road, Yellamanda (Post), Narasaraopet – 522601, Guntur District, AP
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada, Code: 47,
Four Times Accredited by NBA & NAAC "A+" Grade ISO 9001: 2015 Certified Institution
Phone: 08647-239912 e-mail: csehod@nrtec.in visit us at : www.nrtec.in

Press Note

ఎన్. ఈ. సి లో "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**" పై

ఇంజనీరింగ్ అధ్యా పకులకు 07 రోజుల శిక్షణ తరగతులు ప్రారంభం

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో కంప్యూ టర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ ఆధ్వ ర్యంలో ఇంజనీరింగ్ అధ్యా పకులకు "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్** "పై 07 రోజులు శిక్షణా తరగతులు ప్రారంభించినట్లు కళాశాల వైస్ చైర్మ న్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు ఒక ప్రకటనలో తెలిపారు.

శిక్షణ తరగతులు ప్రారంభ కార్యక్రమములో ముఖ్య అతిథులుగా క్స్ఎల్ఆర్ కోఆర్డినేటింగ్ పర్సన్ సాహా, హరి బాబు,కార్పొరేట్ ట్రైనర్ సేల్స్ ఫోర్స్ శిక్షకులుగా వ్యవహరించి అధ్యాపకులకు "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**" కి సంబంధించిన ఇంట్రడక్షన్ టూ ఆర్టిఫిషల్ ఇంటలిజెన్స్, ఇమేజ్ రెకగ్నిషన్, ప్రాడ్ డిటెక్షన్ వంటి మొదలగు అంశాలు గురించి వివరించారు.

ఈ సందర్భంగా కళాశాల ప్రిన్సిపల్ డాక్టర్ .స్ .వెంకటేశ్వరులు గారు మాట్లాడుతూ అధ్యా పకులను ఉద్దేశించి ప్రస్తుత సాఫ్ట్వే ర్ ఇంజనీరింగ్ లో "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**" ద్వా రా చాలా ఉద్యో గ అవకాశములు విద్యా ర్థులకు అందించుటకు అధ్యా పకులకు శిక్షణ అవసరము అని, కళాశాల మేనేజ్మెంట్ వారు ఈ అవకాశమును ఇంజనీరింగ్ కళాశాల అధ్యాపకులకు కల్పించారని ,అధ్యా పకులకు 07 రోజులు శ్రద్ధగా శిక్షణ తీసుకుని మీ ఇంజనీరింగ్ కళాశాలలోని విద్యార్థులకు బోధనా చేయవలెనని కోరారు.

కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగ అధిపతి డాక్టర్ ఎస్. ఎన్ తిరుమల రావు గారు మాట్లాడుతూ ,ఈ 07 రోజుల శిక్షణ యందు "**ఏఐ అండ్ జెన్ ఏఐ విత్ ఇండస్ట్రీ అప్లికేషన్స్**లో "ఇంప్లీమెంటింగ్ చాటబోట్స్, ఎడ్యుకేషనల్ కంటెంట్ ఇన్ డిఫరెంట్ లాంగుఏజెస్, డిజైనింగ్ యూసర్ ఇంటెర్ఫేసెస్ మొదలగు అంశాల మీద శిక్షణ ఇస్తారని తెలిపారు,

మరియు ఈ తరగతులకు ఆంధ్ర మరియు తెలంగాణ రాష్ట్రాల నుండి 60 మంది ఇంజనీరింగ్ అధ్యా పకులు పాల్గొన్నా రు అని తెలిపారు.

ఈ కార్య క్రమంలో కళాశాల చైర్మ న్ మిట్టపల్లి కోటేశ్వ రావు గారు కళాశాలలోని ప్రతి ఒక్క అధ్యా పకులు సంవత్స రంలో శిక్షణ తరగతులు ఎక్క డైనా తప్ప నిసరిగా హాజరు అవ్వా లని మేము పూర్తి సహాయ సహకారం అందిస్తామని ఈ సందర్భంగా గుర్తు చేశారు.

కళాశాల సెక్రటరీ మెట్ప ల్లి రమేష్ గారు మాట్లాడుతూ, ఈ శిక్షణ తరగతులను నిర్వ హిస్తున్న కంప్యూ టర్ సైన్స్ అండ్ ఇంజనీరింగ్ అల్లైడ్ విభాగాలను అభినందించారు.

ఈ కార్యక్రమం నందు కళాశాల వైస్ ప్రిన్సిపల్ డాక్టర్ డి సునీల్ గారు వివిధ విభాగాల అధిపతులు అధ్యా పకులు పాల్గొన్నా రు.

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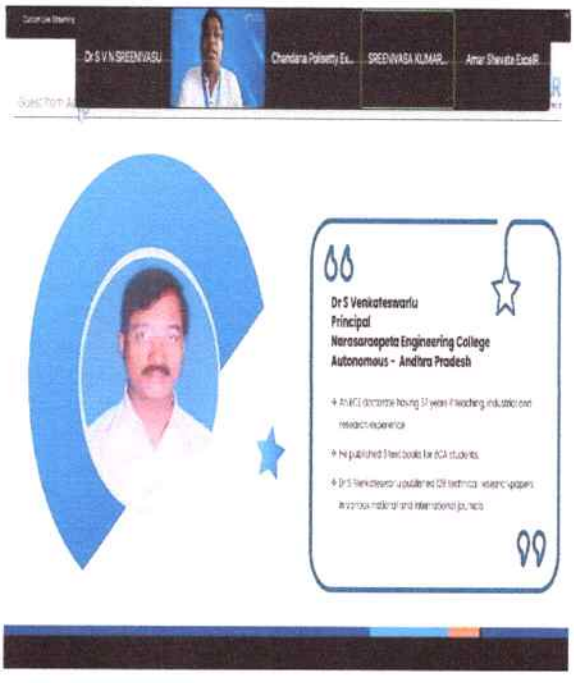
GIIMPSE OF FDP: AI AND GEN AI WITH UNDUSTRY APPLICATION



Principal,NEC Addressing FDP

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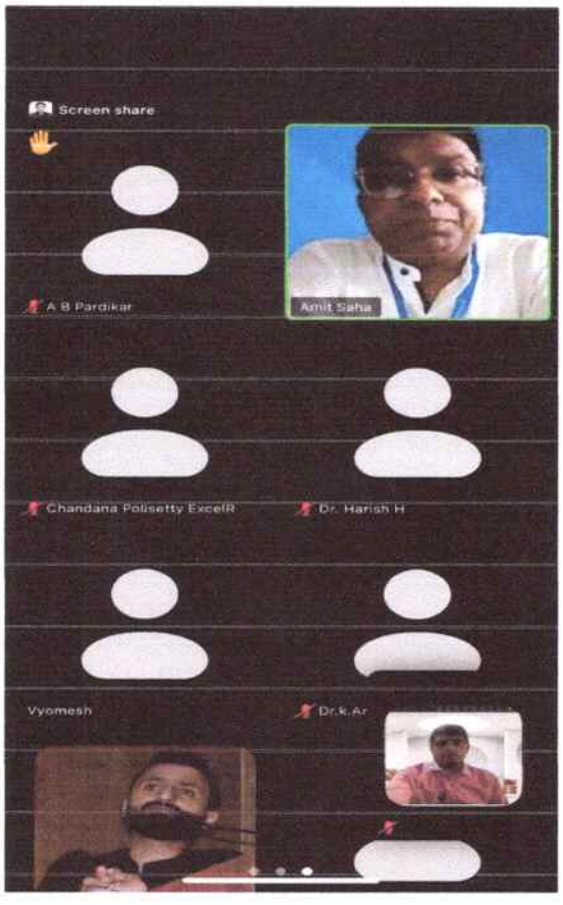
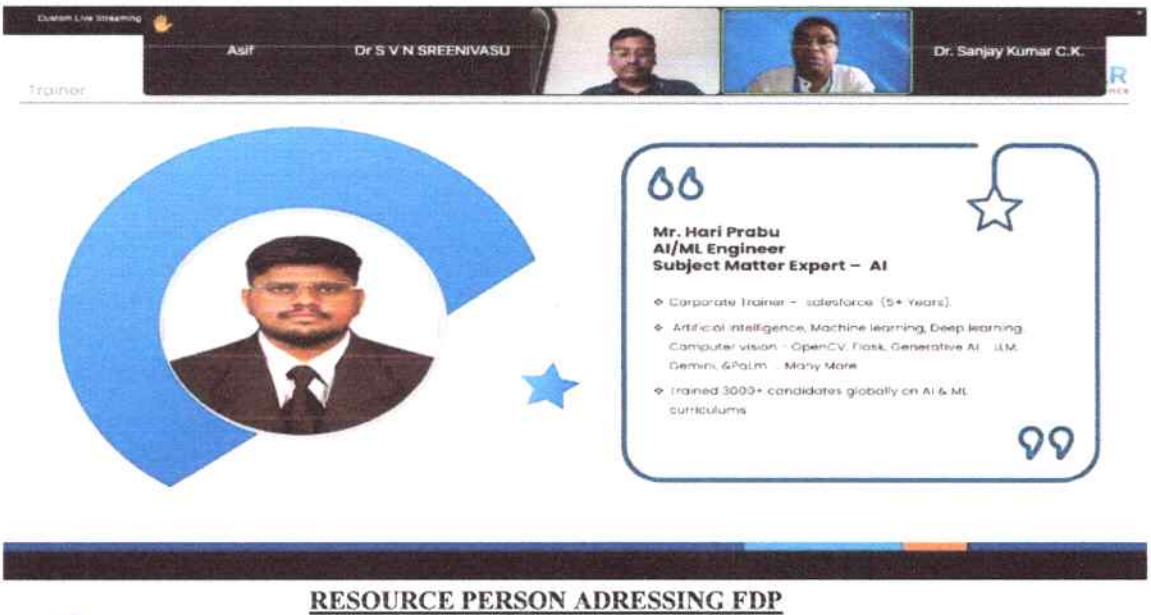
EXCELR COORDINATING PERSON AMIT SAHA ADRESSING FDP





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Director, MIT Academy of Engineering

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Principal, The National Institute of Engineering , MYSORE

Dr. S. Venkateswarlu
Principal, Narasaraopeta Engineering College

Dr. D. Hanumantha Rao
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NARASARAOPET - 522 601, Palnadu (Dist.) A.P.

Dr. Mahesh Goudar
Director, MIT Academy of Engineering

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Principal, The National Institute of Engineering, MYSORE

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Director, MIT Academy of Engineering

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Principal, The National Institute of Engineering , MYSORE

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Principal, Matrusri Engineering College

Ram Tavva
CEO,
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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
NARASARAOPET - 522 601, Palnadu (Dist.), A.P.

Dr. Mahesh Goudar
Director, MIT Academy of Engineering

Dr. Rohini Nagapadma
Principal, The National Institute of Engineering, MYSORE

Dr. S. Venkateswarlu
Principal, Narasaraopeta Engineering College

Dr. D. Hanumantha Rao
Principal, Matrusri Engineering College

Ram Tavva
CEO,
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Cert No: EXCELR-FDP-75595/07082024

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Dr. Mahesh Goudar
Director, MIT Academy of Engineering

Dr. Rohini Nagapadma
Principal, The National Institute of Engineering , MYSORE

Dr. S. Venkateswarlu
Principal, Narasaraopeta Engineering College

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Date: 16th July to 22nd July 2024.

Cert No: EXCELR-FDP-75070/07082024

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

Dr. Mahesh Goudar
Director, MIT Academy of Engineering

Dr. Rohini Nagapadma
Principal, The National Institute of Engineering, MYSORE

Dr. S. Venkateswarlu
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Dr. D. Hanumantha Rao
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Design Thinking and Innovation

NEC

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(AUTONOMOUS)

Circular

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Department of Mechanical Engineering

Date: 10.06.2024

Circular

IQAC & Department of Mechanical Engineering is organizing A one Week Faculty Development Program on "DESIGN THINKING and INNOVATION" in association with VIT-AP UNIVERSITY, Amaravathi, Guntur (Dist) from 18-06-2024 to 22-06-2024 for Faculty . Request all the faculty members are to attend.

Program Convenor:

Dr. P. Suresh Babu (sureshbabudevi.p@gmail.com, 8500857969)

Dr. M. Venkannababu (venkannababu.mendi@gmail.com, 9985808908)

IQAC HOD-ME PRINCIPAL

Copy to

1. Chairman for Favour of information
2. Principal
3. IQAC
4. AO for making necessary arrangement
5. Department Notice Boards
6. Circulation to all Staff Members
7. All HOD's

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NARASARAOPETA ENGINEERING COLLEGE

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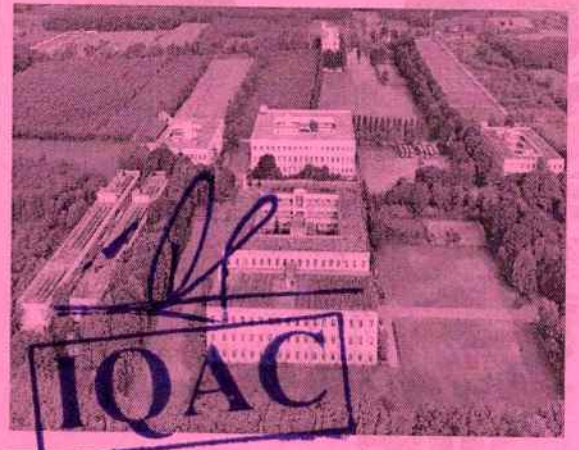
Brochure

Course Content:

- Introduction to Design Thinking: elements and principles of Design, basics of design.
- Design Thinking Process: Implementing the process in driving inventions, design thinking in social innovations Tools of design thinking.
- Activity: Every student presents their idea in three minutes
- Art of innovation, Creativity to Innovation. Teams for innovation.
- Activity: Debate on innovation and creativity, Debate on value-based innovation.
- Product Design: Innovation towards product design Case studies.
- Activity: Importance of modeling, how to set specifications, Explaining their own product design.
- Design Thinking in Business Processes: Design Thinking applied in Business & Strategic Innovation, Design Thinking principles that redefine business – Business challenges.
- Activity: How to market our own product.

For Any Queries Contact:

Dr. M. Venkanna Babu, Coordinator.
Mobile No: 9985808908



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 ECE, CSE and ME departments were Accredited by NBA under Tier 1. NEC accorded 'AUTONOMOUS' status since 2016 and valid up to 2032.

NEC is ranked among top 300 engineering institutions in India rankings (NIRF 2022, 251-300 band) by Ministry of Education, Govt. of INDIA. Also NEC ranked as top 3rd Private Engineering College in AP as per Times Engineering Institute Ranking Survey-2024. INDIA TODAY Ranked NEC as 183 among Private Engineering Colleges in India for the year 2023. THE WEEK Magazine also ranked NEC as 14 among Private Engineering Colleges in AP for the year 2023. Careers 360 ranked NEC with AAA+ Grade for the year 2024. The college has approved research centres by JNTUK, Kakinada in CSE, ECE and Mechanical Engineering Depts. The college has launched Incubation Centre where the students can implement their ideas. NEC got approved for "NIDHI Technology Business Incubator" by Dept of Science & Technology, New Delhi. NEC received grant for establishment of IP facilitation centre (IPFC) in association with the Ministry of MSME, Govt. of India. The college has signed 70+ MoUs with reputed industries and International & National organizations like IES and the Swiss innovation powerhouse, Factor-Y (for innovation and entrepreneurial support), Red Hat Academy, Efftronics Systems Pvt. Ltd, Byte$_{XL}$, New Mexico State University (NMSU), New Mexico, USA, TiE Hyderabad, Edu Skills etc. NEC is recipient of IBM Watsonx Generative AI Faculty Award of worth $10,000 USD. Our institute has academic partnership with WIPRO through their ELITE program, Talent-Next. Also empanelled with BOSCH as training partner under "BRIDGE" Programme.

The college offers Eight M.Tech programmes, Two PG courses of MCA, MBA and Ten courses at B.Tech level in the branches EEE, CSE, CSE(AI), CSE(AI&ML), CSE (DS), CSE(Cyber Security), IT, ECE, ME and CIVIL. The college has well equipped laboratories and computers. The college has well experienced and dedicated faculty out of which 72 faculty hold Doctorate Degrees while 78+ patents and 416+ Publications (over last five years), 36 Books were onto the credit of faculty. The college has AP CM's Excellence centre. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC, Germany. Dassault Systems Lab is established to provide access to the students on most advanced courses by industry giants. Narasaraopet is 50 Km from Guntur and 25 Km from Chilakaluripet (NH5) by road. Narasaraopet is 120 Km away from Vijayawada Airport.

A ONE WEEK

Faculty Development Program

on

"DESIGN THINKING and INNOVATION"

During

18th – 22nd June- 2024

In association with

VIT-AP UNIVERSITY

Organized by

IQAC & Department of Mechanical Engineering

NEC NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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

(Sponsored by Gayatri Educational Development Society), Narasaraopet.

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

Accredited by NBA (Tier 1) - CSE, ECE, ME & NAAC "A+" Grade.

Code: 47, NIRF: 2022 (251-300 Band) & ISO 9001: 2015 Certified Institution.

Phone : 08647-239923
E-Mail : mechhod@nrtec.in
Website : www.nrtec.in

: https://www.facebook.com/nrtenggcollege?mibextid=ZbWKwL
: https://www.instagram.com/nrtec?igsh=MXIxcHhxaDB2aWQwMQ==
: https://www.linkedin.com/company/narasaraopet-engineering-college/?originalSubdomain=in

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2002 with an intake of 60 students. The department offers UG and PG programs. PG programs are being offered in specialization of Machine Design and Thermal Engineering. The UG program of the department is accredited **thrice by NBA.** The department is accredited by **NBA under Tier 2 in 2009 & 2013 and under Tier 1 in 2023.**

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, Ultimaker S5 Pro Bundle 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. Our department has four professional student chapters i.e. ISTE, ASME, IE(I) and SAME. The department has Mechanical Engineering Student Association (MESA).

IQAC

OBJECTIVES OF THE FDP

- Bring awareness on innovative design and new product development.
- Explain the basics of design thinking.
- Familiarize the role of reverse engineering in product development.
- Train how to identify the needs of society and convert into demand.
- Introduce product planning and product development process.

RESOURCE PERSON:

Dr. P.S. Rama Sreekanth,
Director-RAAC, VIT-AP.

Guidelines:

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

Registration:

- UG/PG students in Engineering and Applied Sciences.
- Any Faculty/Student in thrust of knowledge.
- Participants are restricted to 50 and will be selected on first come first serve basis.
- Registration link:
  https://tinyurl.com/NEC-ME-FDP-DTI

No Registration Fee

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Co-Patron

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Principal

Convener

Dr. B. Venkata Siva
Professor, HOD, Dept. of Mechanical Engineering

Coordinators

Dr. P. Suresh Babu
Associate Professor, Dept. of Mechanical Engineering

Dr. M Venkannababu
Associate Professor, Dept. of Mechanical Engineering

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Mr. P.Srinivasa Rao	Mr. G.Bhargav
Mr. Ch.Sekhar	Mr. Y.Suvarna Kumar
Mr. K.Kiran Chand	Mr. T.Ashok Kumar
Mr. K.John Babu	Mr. A.Anka Rao
Mr. A.Pavan Kumar	Mr. M.Mothilal Naik
Mr. P.Kiran Kumar	Mr. P.Kiran Kumar
Mr. M.Srinivasa Rao	Mr. V.Swamulu

NEC NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Schedule

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

A ONE WEEK Faculty Development Program on

"DESIGN THINKING and INNOVATION"

During: 18th – 22nd June- 2024

In association with: VIT-AP UNIVERSITY

Organized by: IQAC & Department of Mechanical Engineering

SCHEDULE

Date	10:00AM to 12:30PM	BREAK	1:30PM to 4:00PM
18-06-2024	❖ Inauguration and Preliminary Discussion. ❖ Introduction to Design Thinking: elements and principles of Design, basics of design.	LUNCH	❖ Design Thinking Process: Implementing the process in driving inventions, design thinking in social innovations Tools of design thinking.
19-06-2024	❖ Activity: Every student presents their idea in three minutes		❖ Art of innovation, Creativity to Innovation. Teams for innovation.
20-06-2024	❖ Activity: Debate on innovation and creativity, Debate on value-based innovation.		❖ Product Design: Innovation towards product design Case studies.
21-06-2024	❖ Activity: Importance of modeling, how to set specifications, Explaining their own product design.		❖ Design Thinking in Business Processes: Design Thinking applied in Business & Strategic Innovation,
22-06-2024	❖ Design Thinking principles that redefine business – Business challenges.		❖ Activity: How to market our own product.. ❖ Valediction

Coordinator

IQAC

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

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(AUTONOMOUS)

Attendance sheet

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

One week Faculty Development Program on "DESIGN THINKING AND INNOVATION"

S.NO	Name of the Faculty	College	Department	18-06-2024	19-06-2024	20-06-2024	21-06-2024	22-06-2024
1	Dr.D.Suneel	NEC	MECH					
2	Dr B.Venkata Siva	NEC	MECH					
3	Dr.P.Suresh babu	NEC	MECH					
4	Dr.M. Venkanna Babu	NEC	MECH					
5	M.Venkaiah	NEC	MECH					
6	P.Srinivasa Rao	NEC	MECH					
7	Ch.Sekhar	NEC	MECH					
8	K.Kiran Chand	NEC	MECH					
9	P.Sravani	NEC	MECH					
10	T.Ashok Kumar	NEC	MECH					
11	K.John Babu	NEC	MECH					
12	A.Pavan Kumar	NEC	MECH					
13	D.Raghavendra	NEC	MECH					
14	A.Anka Rao	NEC	MECH					
15	V.Swamulu	NEC	MECH					
16	M.M.Naik	NEC	MECH					
17	U.Nagaraju	NEC	MECH					
18	M.Balaji naik	UCEN-JNTUK	MECH					
19	M.Sitara	Krishnaveni Engineering college for Women-KC	MBA					
20	N.Pavani	Krishnaveni Engineering college for Women-KC	MBA					

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21	Dr.Y.Anki Reddy	NEC	MBA					
22	J.Rajesh	NEC	MBA					
23	K.Anil Kumar	NEC	CE					
24	SK.Karimulla	NEC	EEE					
25	Dr.B.S.Nageswara Rao	NEC	ECE					
26	Dr.MD.Javeed Ahmmed	NEC	ECE					
27	SK.MD.Jany	NEC	IT&AI					
28	SK.Rafi	NEC	CSE					
29	M.Venkata Rao	NEC	CSE					

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Program Report

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

Department of Mechanical Engineering

Date: 18-06-2024

PROGRAMME REPORT

Name of the Programme : A one week workshop on
"DESIGN THINKING and INNOVATION"

Dates : **18th – 22nd November, 2024**

Details of the Resource Persons : **Dr. P.S. Rama Sreekanth, Director-RAAC, VIT-AP.,**
7854075580, sreekanth.p@vitap.ac.in

Course Coordinator : **Dr. P. Suresh Babu,**
Associate Professor, Dept. of Mechanical Engineering,
8500857969,drsureshbabu@nrtec.in

: **Dr. M Venkannababu,**
Associate Professor, Dept. of Mechanical Engineering,
9985808908, venkannababu.mendi@gamil.com

OBJECTIVE OF THE PROGRAMME:

This training programme is specially designed for Faculty members and it mainly deals with various aspects Design Thinking and Innovation.

THE COURSE AIMS TO ACHIEVE THE FOLLOWING OBJECTIVES:

- Bring awareness on innovative design and new product development.
- Explain the basics of design thinking.
- Familiarize the role of reverse engineering in product development.
- Train how to identify the needs of society and convert into demand.
- Introduce product planning and product development process.

TOPIC COVERED:

- Introduction to Design Thinking: elements and principles of Design, basics of design.
- Design Thinking Process: Implementing the process in driving inventions, design thinking in social innovations Tools of design thinking.
- Activity: Every student presents their idea in three minutes
- Art of innovation, Creativity to Innovation. Teams for innovation.
- Activity: Debate on innovation and creativity, Debate on value-based innovation.
- Product Design: Innovation towards product design Case studies.
- Activity: Importance of modeling, how to set specifications, Explaining their own product design.
- Design Thinking in Business Processes: Design Thinking applied in Business & Strategic Innovation, Design Thinking principles that redefine business – Business challenges.
- Activity: How to market our own product.

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OUTCOME OF THE PROGRAMME:

- Understand what is design and its elements.
- Define how each element of design is important and relatable.
- Create a puppet to understand how the elements of design affect the experience of people.
- Increased Innovation Output.
- Improved Understanding of Customers.
- Enhanced Product Usability and Acceptance Rate.
- More Focused on Experimentation and Creativity.
- Expanded Design Thinkers' Vision.

No. of Participants: 98

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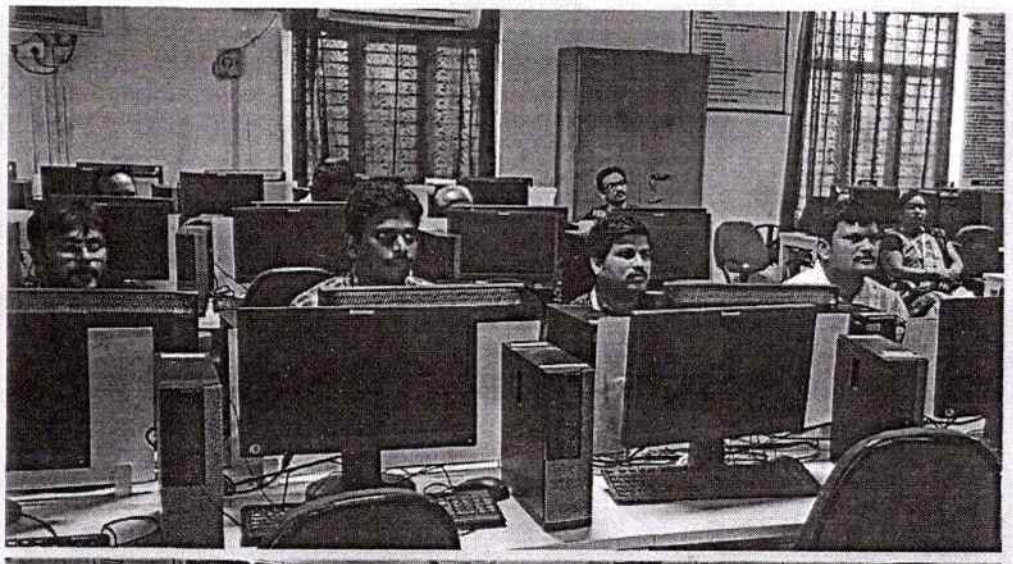

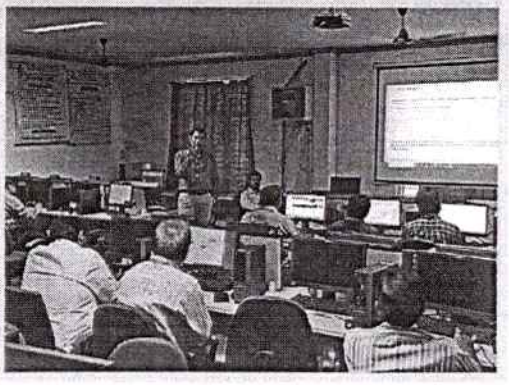

Coordinator

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Press Note & Coverage

NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
Kotappakonda Road, Yellamanda (P.O), NARASARAOPET-522 601, Palnadu Dist., A.P.
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Approved by AICTE, New Delhi & Permanently Affiliated to JNTUK, Kakinada. Code : 47, NIRF : 2022 (251-300 Band)
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Press Note

25.06.2024

ఎన్.ఈ.సీ లో "డిజైన్ థింకింగ్ అండ్ ఇన్నోవేషన్ " పై ముగిసిన వారం రోజుల ఉపాధ్యాయ శిక్షణా తరగతులు

స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాల IQAC మరియు మెకానికల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో VIT-AP యూనివర్సిటీ వారి సౌజన్యంతో **"డిజైన్ థింకింగ్ అండ్ ఇన్నోవేషన్ (Design Thinking and Innovation)"** అనే అంశం పై ఈ నెల 18 వ తారీఖున మొదలైన వారం రోజుల ఉపాధ్యాయ శిక్షణా తరగతులు 22.06.2024 న ముగిశాయని మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వేంకట శివ గారు తెలియజేశారు. డాక్టర్ పి.ఎస్. రామ శ్రీకాంత్, డైరెక్టర్-RAAC, VIT-AP. గారిచే శిక్షణ యివ్వడం జరిగిందని అన్నారు. వివిధ కళాశాలలకు చెందిన 28 మంది అధ్యాపకులు ప్రత్యక్షంగా, 70 మంది పరోక్షముగా (ఆన్లైన్ ద్వారా) మరియు సుమారు 60 మంది ఫైనల్ ఇయర్ విద్యార్థులు ఈ వారం రోజుల శిక్షణా శిబిరంలో పాల్గొన్నారని అన్నారు.

ఈ సందర్భంగా కళాశాల ఇన్ చార్జ్ పిన్సిపాల్ డాక్టర్ డి.సునీల్ గారు మాట్లాడుతూ ఈ వారం రోజుల శిక్షణ శిబిరంలో డిజైన్ థింకింగ్, ఎలిమెంట్స్ అండ్ ప్రిన్సిపుల్స్ అఫ్ డిజైన్, డిజైన్ థింకింగ్ ప్రాసెస్ మరియు టూల్స్, ఇన్వెన్షన్స్, ఇన్నోవేషన్, క్రియేటివిటీ డిజైన్, ప్రోడక్ట్ డిజైన్ మోడలింగ్, స్పెసిఫికేషన్స్, బిజినెస్ ఛాలెంజెస్, సొంత ప్రొడక్ట్స్ ఎలా మార్కెటింగ్ చేయాలి, ఇన్నోవేషన్, క్రియేటివిటీల మీద ఆక్టివిటీస్ చేయించడం మొదలగు అంశాలపై అధ్యాపకులకు శిక్షణను ఇచ్చారన్నారు.

కళాశాల వైస్ చైర్మన్ శ్రీ మిట్టపల్లి చక్రవర్తి గారు మాట్లాడుతూ ఆలోచనా విధానం వినూత్నంగా ఉంటే నలుగురిలోనే కాదు, నలబైవేల మందిలోనూ ప్రత్యేకంగా నిలుస్తాం అని అన్నారు. గూగుల్ నుంచి శామ్సంగ్ వరకు ప్రతి సంస్థా వినియోగదారుల మనసు గెలుచుకునేందుకు డిజైన్ థింకింగ్ మీదే ఆధారపడుతున్నదని, అలాగే విద్యార్థి దశలో మరింత చురుగ్గా నేర్చుకోవడానికి, నిర్ణయం తీసుకునే సామర్థ్యం పెంచుకోవడానికి, సమిష్టి భావన పెంచుకోవడానికి డిజైన్ థింకింగ్ పనికొస్తుందని తెలియ జేశారు

కళాశాల సెక్రటరీ శ్రీ మిట్టపల్లి రమేష్ బాబు గారు మాట్లాడుతూ తమ కళాశాలలో ఆధునిక పరిజ్ఞానం పై నిర్వహిస్తున్న ఇలాంటి కార్యక్రమాలు అధ్యాపకుల మరియు విద్యార్థుల పురోభివృద్ధికి మరియు అభ్యున్నతికి ఎంతగానో ఉపయోగపడతాయని తెలిపారు.

కళాశాల చైర్మన్ శ్రీ మిట్టపల్లి వెంకట కోటేశ్వరరావు గారు VIT-AP యూనివర్సిటీ యాజమాన్యానికి, శిక్షకుడు డాక్టర్ పి.ఎస్. రామ శ్రీకాంత్ గారిని, ఈ కార్యక్రమ నిర్వాహకులు డాక్టర్ సురేష్ బాబు మరియు డాక్టర్ వెంకన్న బాబు గార్లను అభినందించారు.

Dr. B.Venkata Siva
Head – Mechanical Eng. Dept., NEC
Cell: 9652464540

PRINCIPAL

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

IQAC

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NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)
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ఆంధ్రప్రభ

ముగిసిన ఉపాధ్యాయ శిక్షణా తరగతులు

ముఖ్య అతిథిని సన్మానిస్తున్న డాక్టర్ బి వెంకట-శివ తదితరులు

నరసరావుపేట, జూన్ 25 (ప్రభ న్యూస్): స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో డిజైన్ థింకింగ్ అండ్ ఇన్నోవేషన్ అనే అంశంపై ఈ నెల 18వ తేదీన మొదలైన వారం రోజుల ఉపాధ్యాయ శిక్షణా తరగతులు ముగిసినట్లు మెకానికల్ విభాగాధిపతి డాక్టర్ బి.వెంకట శివ తెలిపారు. ఈ సందర్భంగా కళాశాల వైస్ ఛైర్మన్ మిట్టపల్లి చక్రవర్తి మాట్లాడుతూ ఆలోచనా విధానం వినూత్నంగా ఉంటే నల్లురిలోనే కాదు, వలజైనేల మందిలోనూ ప్రత్యేకంగా నిలుస్తామన్నారు. గూగుల్ నుంచి శ్యామ్‌సంగ్ వరకు ప్రతి సంస్థ వినియోగదారుల మనసు గెలుచుకునేందుకు డిజైన్ థింకింగ్ మీదే ఆధారపడుతున్నదని, అలాగే విద్యార్థి దశలో మరింత చురుగ్గా నేర్చుకోవడానికి, నిర్ణయం తీసుకొనే సామర్థ్యం పెంచుకోవడానికి, సమిష్టి భావన పెంచుకోవడానికి డిజైన్ థింకింగ్ పనికొస్తుందన్నారు. కళాశాల సెక్రటరీ మిట్టపల్లి రమేష్ మాట్లాడుతూ తమ కళాశాలలో ఆధునిక పరిజ్ఞానంపై నిర్వహిస్తున్న ఇలాంటి కార్యక్రమాలు అధ్యాపకుల, విద్యార్థుల పురోభివృద్ధికి, అభ్యున్నతికి ఎంతగానో ఉపయోగపడతాయని తెలిపారు. కళాశాల ఛైర్మన్ మిట్టపల్లి వెంకట కోటేశ్వరరావు విజటి-ఏపీ యూనివర్సిటీ యూజమాన్యానికి, శిక్షకుడు డాక్టర్ పి.ఎస్.రామశ్రీకాంత్ గారిని, ఈ కార్యక్రమ నిర్వాహకులు డాక్టర్ సురేష్‌బాబు, డాక్టర్ వెంకన్నబాబులను అభినందించారు.

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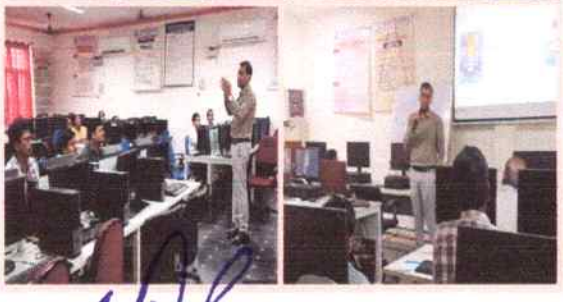

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Kotappakonda Road, Yellamanda (Post), Narasaraopet - 522601, Palnadu Dist., Andhra Pradesh, INDIA. Website:www.nrtec.in

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This is certify that **KAKANI JHANSI RANI** from **ESWAR COLLEGE OF ENGINEERING** participated in **a one week Faculty Development Program** on **"DESIGN THINKING AND INNOVATION"**, organized by **IQAC& Department of Mechanical Engineering**, Narasaraopeta Engineering College (Autonomous) Narasaraopet, in association with **VIT-AP University-Amaravati** from **18-06-2024 to 22-06-2024.**

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This is certify that **DR. K.CH.KISHOR KUMAR** from **GUDLAVALLERU ENGINEERING COLLEGE** has participated in **a one week Faculty Development Program** on **"DESIGN THINKING AND INNOVATION"**, organized by **IQAC& Department of Mechanical Engineering, Narasaraopeta Engineering College (Autonomous)** Narasaraopet, in association with **VIT-AP University-Amaravati** from **18-06-2024 to 22-06-2024.**

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

Resource Person
Dr. P.S.Rama Sreekanth, Director-RAAC, VIT-AP

Co-Ordinator
Dr. P. Suresh Babu

Co-Ordinator
Dr. M. Venkanna Babu

Convener, HoD-ME
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Co-Patron
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Kotappakonda Road, Yellamanda (Post), Narasaraopet - 522601, Palnadu Dist., Andhra Pradesh, INDIA. Website:www.nrtec.in

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This is certify that **Dr. CHEPURI SRINIVASARAO** from **KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY** has participated in **a one week Faculty Development Program** on **"DESIGN THINKING AND INNOVATION"**, organized by **IQAC& Department of Mechanical Engineering**, Narasaraopeta Engineering College (Autonomous) Narasaraopet, in association with **VIT-AP University-Amaravati** from **18-06-2024 to 22-06-2024.**

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(AUTONOMOUS)
NARASARAOPET Palnadu (Dist.) A.P.

Resource Person
Dr. P.S.Rama Sreekanth, Director-RAAC, VIT-AP

Co-Ordinator
Dr. P. Suresh Babu

Co-Ordinator
Dr. M. Venkanna Babu

Convener, HoD-ME
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Dr. D. Suneel