NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

NEC WAVES

A News Letter of

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

28 Years Excellence

EAMCET - Code: NSPE | ECET - Code: NSPE

Approved by AICTE, Affiliated to JNTUK, Kakinada, Accredited by NBA (Tier-1), NAAC with 'A+' Grade
NIRF Ranking (201-300 Band 2024), An ISO 9001:2015 Certified Institution
Kotappakonda Road, Yallamanda (PO), Narasaraopet - 522601, Palnadu (Dist), Andhra Pradesh

PGECET - Code: NSPE1 | ICET - Code: NSPE

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Dear Readers,

NEC always tries to update the knowledge of the students through seminars, workshops and FDPS. A one-week innovative workshop on amazon web services (AWS) was conducted from 3rd to 8th March 2025. It was organized by IQAC and Dept. of computer Sciences & Engineering (CSE) in association with APSSDC.

A one-week hands on workshop on Deep Learning and LLMS for Sustainable Development from 3rd to 6th March,2025. It was organized by Dept of CSE in association with APSSDC. All the III-year Btech students are participated in it.

NEC always supports and encourages the talent of the students. It is proud to announce that 100 final year students from CSE and It have been awarded Research Scholar ships totaling Rs. 11.25 lakhs. These scholar ships were graduated in recognition of their out standing research papers published in reputed research journals.

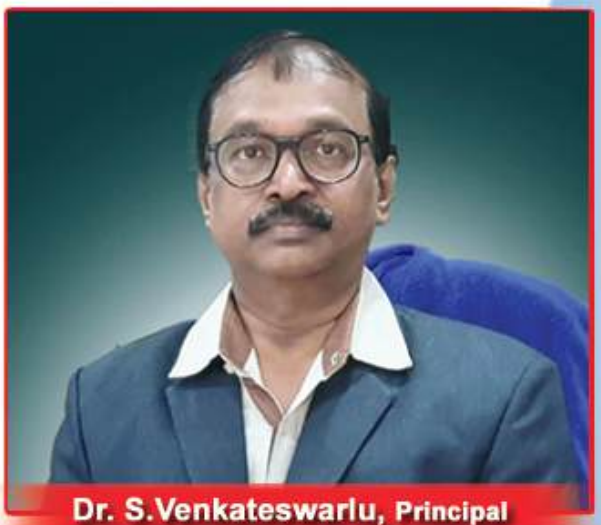
An old proverb says; "As you saw so you reap". The third B. Tech students in Computer Sciences and Engineering Dept. under the guidance of Mr. Rafi faculty of CSE Successfully developed a user- friendly student feedback collection tool.

NEC always concentrate on the all-round development of the student. This time Narasaraopeta Engineering College hosted NCC Fest, with the support and co-operation of 23(A) Bn NCC Unit, Chirala. Inter college competitions were held. Joint Collector of Palnadu District Shri Suraj Ganore, distributed prizes to the winners of the competitions. Sri. Mittapalli Venkata Koteswara Rao Garu, Chairman of NEC Group, Shri Mittapalli Ramesh Babu Garu, Secretary of NEC College, 23(A) Battalion Training JCO Saboor ji, Battalion Hawaldar Major P. Ramesh, Dr.S. Venkateswarlu, Principal, Narasaraopeta Engineering College, Dr. D. Sunil, Vice Principal and other colleges NCC officials and cadets were attended to this function.

Like this the NEC has been going forward step by step in achieving the goals.

----Editor

Principal's Desk



Dr. S.Venkateswarlu, Principal

It is a matter of great pride and satisfaction to bring out the News Letter, 'NEC WAVES' for the period of January-June – 2025. The goal of the News Letter is to give updated information, related to Narasaraopeta Engineering College. A News Letter ids like a mirror reflects what is going on in the college.

I feel immensely happy and congratulate Mr. T. Bhuvanesh and Miss. K. Jahnavi Priya for getting a very good placement in JUSPAY with 11. 25 L.P.A. I also congratulate the students who have got research Scholarships from NEC (11.25 Lakhs) for their outstanding research papers published in reputed international journals.

I feel proud to say that more than 800 faculty publications, 110 patents, 76 Published books, 250 student paper publications of NEC placed in 201-300 rank band 2024.

The indefatigable efforts of the staff members and the management kept in NEC in 3rd rank among the Top 5 Private Engineering Colleges in A.P. 89th rank among Private Engineering College in South Zone, 140th among Private Engineering Colleges in India ("The Week" Hansa Research Survey 2025 Rankings.

Hearty Congratulations to the faculty and Management for this wonderful result.

I Congratulate the Editorial board of this News letter who have played a significant role in accomplishing the task.

-- Dr. S.Venkateswarlu, Principal

Vision

To emerge as a Centre of excellence in technical education with a blend of effective student centric teaching learning practices as well as research for the transformation of lives and community.

Mission

- Provide the best class infrastructure to explore the field of engineering and research.
- Build a passionate and a determined team of faculty with student centric teaching, imbibing experiential, innovative skills.
- Imbibe lifelong learning skills, entrepreneurial skills and ethical values in students for addressing societal problems.



Jubilation 2K25 @ NEC on 2k25 on 10-2-2025



Department of Civil Engineering

You Dreamt it We Built it!



Vision

To be a center of excellence with state of art infrastructure and imbibe knowledge on advanced technologies in the field of Civil engineering with a focus on research and sustainable development for the benefit of society.

Mission

- Train the students as technologically motivated Civil engineers and researchers who can serve the society competently, collaboratively and ethically as planners, designers, constructors and operators.
- To provide quality based consultancy services to the communities for the development of civil engineering industry and other allied fields.
- To ignite innovative thinking, entrepreneur skills among students

New Trends in Technology

Trenchless Technology: An overview of the Methods



Trenchless technology can be described as a type of subsurface construction work that requires few trenches or no continuous trenches. Trenchless technology is an underground construction method of installing, repairing and renewing underground pipes, ducts and cables using techniques which minimize or eliminate the need for excavation.

The process of trenchless technology

Trenchless technologies involve methods of new pipe installation with minimum surface and environmental disruptions. Construction can be carried out under a busy highway without closing it to traffic. Traffic congestion is significantly reduced, resulting in less air and noise pollution. Trenchless projects are also less hazardous to workers, as the process can be controlled from the surface. In many densely populated urban areas, open-cut excavations are simply not practical and the social costs are too great. Also, open-cut excavations tend to increase pavement failures and can result in damage to adjacent structures. Trenchless construction lends itself to many infrastructure applications, including gas, water, sewer, pipelines, power, and communications.

Insulated Concrete Forms

Insulated concrete forms (ICFs) are cast-in-place concrete walls that are sandwiched between layers of insulation material. This construction method is known for its high strength and energy efficiency. Some common applications of ICFs include residential and commercial low-rise buildings.

Walls are made from interconnected forms, which stay in place as permanent structures. Traditional finishes are applied to both interior (drywall) and

Faculty Focus

- Dr.P.Naga Sowjanya completed the NPTEL Course in Remote Sensing and GIS for Rural Development with Elite+Silver Status in January-April 2025.
- Mr. M.N.S.Sambasiva Rao completed the NPTEL Course in Free Surface Flows with Elite Status in January-April 2025.
- Mrs. A.Lakshmi Prasanna completed the NPTEL Course in Modern Construction Materials with Elite Status in January-April 2025.
- Mrs. A.Lakshmi Prasanna completed the NPTEL Course in Advanced Topics in Science and Technology of Concrete with Elite+Gold Status in January-April 2025.
- Mrs. A.Lakshmi Prasanna completed the NPTEL Course in Development of Special Concretes with Elite Status in January-April 2025.
- Mrs.Shaik Sydha completed the NPTEL Course in Development of Special Concretes in January-April 2025.
- Mrs.Shaik Sydha completed the NPTEL Course in Basic Construction Materials with Elite Status in January-April 2025.
- Mr.B.V.Srinivasa Rao completed the NPTEL Course in Introduction to Civil Engineering Profession with Elite Status in January-April 2025.
- Mr.M.Venkatesh completed the NPTEL Course in Introduction to Civil Engineering Profession with Elite Status in January-April 2025.
- Mrs. A.Lakshmi Prasanna presented paper titled" Analyzing System Performance in Transpotation: Insights updated Reistad Estimates" in, International Conference on Innovations in Materials,Manufacturing and Energy Engineering, Organized by Department of Mechanical Engineering at Sri Sai Ram Engineering College, Chennai,Tamil Nadu, India from 29-01-2025 to 30-01-2025.
- Mr. M.N.S.Sambasiva Rao presented paper titled," Design and Evaluation of a Solar –Powered Offshore Energy System for Sustainable Coastal Settelments" in International Conference on Innovations in Materials,Manufacturing and Energy Engineering, Organized by Department of Mechanical Engineering at Sri Sai Ram Engineering College, Chennai,Tamil Nadu, India from 29-01-2025 to 30-01-2025.
- SK.Sydha, presented paper titled" A review on Effect of Steel Slag on Partial replacement of Fine Aggregate"in 10th International multi-disciplinary conference on current research trends organized by IIKR, Chennai from 02-02-2025 to 03-02-2025.

Conferences/ Webinars/ Seminars/ Workshops/FDP s Attended:

- Dr.P.Naga Sowjanya completed 12 Weeks Faculty Development Program course in Remote Sensing and GIS for Rural Development during January-April 2025.
- Dr.P.Naga Sowjanya participated in 5 days FDP on "AI &ML for smart and Sustainable solutions in Civil Engineering "organized by Sasi Institute Of technology and Engineering Tadepalligudem,AP in association with Indian Geotechnical Society Tadepalligudem chapter from 18/3/2025 to 23/03/2025.
- Dr.P.Naga Sowjanya participated in 5 days FDP on "Integrated AI and ML into Civil Engineering Applications" organized by Department of Civil Engineering V.R. Siddhartha School of Engineering, SIDDHARTHA ACADEMY OF HIGHER EDUCATION (Deemed to be University), Vijayawada, A.P. in association with the Department of Civil Engineering, NIT-Warangal,Telangana from 28/04/2025 to 03/05/2025.
- Dr.P.Naga Sowjanya participated in 5 days FDP on "Sustainable construction Approaches G Practices" "organized by Poornima college of Engineering from 8/3/2025 to 13/03/2025.
- Dr.P.Naga Sowjanya participated in one week FDP on "Principles of Machine learning" organized by Narasaraopeta Engineering College(A), NRT from 16/6/2025 to 21/6/2025.
- Dr.P.Naga Sowjanya participated in FDP on "Structural health monitoring system by using AIML" organized by Aravali College of Engineering & Management, Faridabad on 17/06/2025.
- Mr.K.Anil Kumar participated in 5 days FDP on "Sustainable construction Approaches G Practices" "organized by Poornima college of Engineering from 8/3/2025 to 13/03/2025.
- Mr.K.Anil Kumar participated in 5 days FDP on "AI &ML for smart and Sustainable solutions in Civil Engineering "organized by Sasi Institute Of technology and Engineering Tadepalligudem,AP in association with Indian Geotechnical Society Tadepalligudem chapter from 18/3/2025 to 23/03/2025.

- Mr.K.Anil Kumar participated in 5 days FDP on "Integrated AI and ML into Civil Engineering Applications" organized by Department of Civil Engineering V.R. Siddhartha School of Engineering, SIDDHARTHA ACADEMY OF HIGHER EDUCATION (Deemed to be University), Vijayawada, A.P. in association with the Department of Civil Engineering, NIT-Warangal,Telangana from 28/04/2025 to 03/05/2025.
- Mr.K.Anil Kumar participated in one week FDP on "Principles of Machine learning" organized by Narasaraopeta Engineering College(A), NRT from 16/6/2025 to 21/6/2025.
- Mr.K.Anil Kumar participated in FDP on "Structural health monitoring system by using AIML" organized by Aravali College of Engineering & Management, Faridabad on 17/06/2025.
- Mr.N.M.Subhani participated in 5 days FDP on "Sustainable construction Approaches G Practices" "organized by Poornima college of Engineering from 8/3/2025 to 13/03/2025.
- Mr.N.M.Subhani participated in 5 days FDP on "AI &ML for smart and Sustainable solutions in Civil Engineering "organized by Sasi Institute Of technology and Engineering Tadepalligudem,AP in association with Indian Geotechnical Society Tadepalligudem chapter from 18/3/2025 to 23/03/2025.
- Mr.N.M.Subhani participated in 5 days FDP on "Integrated AI and ML into Civil Engineering Applications" organized by Department of Civil Engineering V.R. Siddhartha School of Engineering, SIDDHARTHA ACADEMY OF HIGHER EDUCATION (Deemed to be University), Vijayawada, A.P. in association with the Department of Civil Engineering, NIT-Warangal,Telangana from 28/04/2025 to 03/05/2025.
- Mr.N.M.Subhani attended Training Program on Outcome-Based Education at Narasaraopeta Engineering College, jointly organized by the Directorate of Admissions and Teaching learning Center, SRM University AP, Amaravati (Outreach Activity) on May 09, 2025.
- Mr.N.M.Subhani participated in one week FDP on "Principles of Machine learning" organized by Narasaraopeta Engineering College(A), NRT from 16/6/2025 to 21/6/2025.
- Mr.N.M.Subhani participated in FDP on "Structural health monitoring system by using AIML" organized by Aravali College of Engineering & Management, Faridabad on 17/06/2025.
- Mr. M.N.S.Sambasiva Rao participated in 5 days FDP on "Sustainable construction Approaches G Practices" "organized by Poornima college of Engineering from 8/3/2025 to 13/03/2025.
- Mr. M.N.S.Sambasiva Rao participated in 5 days FDP on "AI &ML for smart and Sustainable solutions in Civil Engineering "organized by Sasi Institute Of technology and Engineering Tadepalligudem,AP in association with Indian Geotechnical Society Tadepalligudem chapter from 18/3/2025 to 23/03/2025.
- Mr. M.N.S.Sambasiva Rao participated in 5 days FDP on "Integrated AI and ML into Civil Engineering Applications" organized by Department of Civil Engineering V.R. Siddhartha School of Engineering, SIDDHARTHA ACADEMY OF HIGHER EDUCATION (Deemed to be University), Vijayawada, A.P. in association with the Department of Civil Engineering, NIT-Warangal,Telangana from 28/04/2025 to 03/05/2025.
- Mr. M.N.S.SambaSiva Rao has actively participated in the Five Days Online Faculty Development Programme on "AI APPLICATION AND RECENT TRENDS IN CIVIL ENGINEERING" conducted by the Department of Civil Engineering, J.P College of Engineering, Tenkasi held from 05.02.2025 to 09.02.2025.
- Mr. M.N.S.Sambasiva Rao completed 12 Weeks Faculty Development Program Course in Free Surface Flows during January-April 2025.
- Mr. M.N.S.Sambasiva Rao participated in one week FDP on "Principles of Machine learning" organized by Narasaraopeta Engineering College(A), NRT from 16/6/2025 to 21/6/2025.
- Mrs. A.Lakshmi Prasanna completed 12 Weeks Faculty Development Program course in Modern Construction Materials during January-April 2025.
- Mrs. A.Lakshmi Prasanna completed 12 Weeks Faculty Development Program course in Advanced Topics in Science and Technology of Concrete during January-April 2025.
- Mrs. A.Lakshmi Prasanna completed 12 Weeks Faculty Development Program course in Development of Special Concretes during January-April 2025.
- Mrs. A.Lakshmi Prasanna participated in FDP on "Structural health monitoring system by using AIML" organized by Aravali College of Engineering & Management, Faridabad on 17/06/2025.
- Mr. Shaik Sydha participated in 5 days FDP on "Sustainable construction Approaches G Practices" "organized by Poornima college of Engineering from 8/3/2025 to 13/03/2025.
- Mr. Shaik Sydha participated in 5 days FDP on "AI &ML for smart and Sustainable solutions in Civil Engineering "organized by Sasi Institute Of technology and Engineering Tadepalligudem,AP in association with Indian Geotechnical Society Tadepalligudem chapter from 18/3/2025 to 23/03/2025.
- Mr. Shaik Sydha participated in 5 days FDP on "Integrated AI and ML into Civil Engineering Applications" organized by Department of Civil Engineering V.R. Siddhartha School of Engineering, SIDDHARTHA ACADEMY OF HIGHER EDUCATION (Deemed to be University), Vijayawada, A.P. in association with the Department of Civil Engineering, NIT-Warangal,Telangana from 28/04/2025 to 03/05/2025.
- Mr. Shaik Sydha completed the NPTEL Course in Development of Special Concretes during January-April 2025.
- Mr. Shaik Sydha participated in one week FDP on "Principles of Machine learning" organized by Narasaraopeta Engineering College(A), NRT from 16/6/2025 to 21/6/2025.
- Mr. Shaik Sydha participated in FDP on "Structural health monitoring system by using AIML" organized by Aravali College of Engineering & Management, Faridabad on 17/06/2025.
- Mr M.Venkatesh participated in 5 days FDP on "Sustainable construction Approaches G Practices" "organized by Poornima college of Engineering from 8/3/2025 to 13/03/2025.
- Mr M.Venkatesh participated in 5 days FDP on "AI &ML for smart and Sustainable solutions in Civil Engineering "organized by Sasi Institute Of technology and Engineering Tadepalligudem,AP in association with Indian Geotechnical Society Tadepalligudem chapter from 18/3/2025 to 23/03/2025.
- Mr M.Venkatesh participated in 5 days FDP on "Integrated AI and ML into Civil Engineering Applications" organized by Department of Civil Engineering V.R. Siddhartha School of Engineering, SIDDHARTHA ACADEMY OF HIGHER EDUCATION (Deemed to be University), Vijayawada, A.P. in association with the Department of Civil Engineering, NIT-Warangal,Telangana from 28/04/2025 to 03/05/2025.
- Mr M.Venkatesh has undergone Innovation Ambassador training 'Foundation level' (Total 16 sessions of 30 contact hours) conducted in online mode by MoE's innovation cell & AICTE during the IIC calendar Year 2024-2025.
- Mr M.Venkatesh has undergone Innovation Ambassador training 'Advanced level' (Total 16 sessions of 30 contact hours) conducted in online mode by MoE's innovation cell & AICTE during the IIC calendar Year 2024-2025.

Student Focus

M.Sai Ganesh (23475A0116) Secured 1st prize in Cricket tournament in the event of Vitopia -2025 organized by VIT-AP on 19th February, 2025.





M,Sai Ganesh(23475A0116) Secured 2nd prize in Cricket tournament in the event of Vignan Manotsav - 2K25 organized by VFSRIT (Deemed to be university) on 3rd January, 2025

Sk.Sydha (23471A0108) participated in Ball badminton ICT cum selection trails in Pace Institute of Technology,ongole on 1st & 2nd February, 2025.



Important Activities held in the Department

Department of Civil Engineering organized an expert lecture on "Landuse and landcover Modelling using MOLUSCE" delivered by Dr K Leela Krishna, Associate Professor, RVR&JC College of Engineering, Guntur on 29-01-2025.



The Department of Civil Engineering successfully completed Jubilation 2K25 i.e A National Level Student Tech Fest. On Jubilation-2K25 on 10 & 11-02-2025, about 50 teams from various colleges actively participated. Dr. K.Leela Krishna, Associate Professor, Department of Civil Engineering, RVR&JC college of Engineering, Guntur, has acted as judge. A total of eight prizes were announced for all the events after thorough evaluation.

Following is the winners list for the above Events.

The details of Power point presentation winners are mentioned:

S. No.	Participant Name	College Details	Position
1	S.Tangore & T.Kesav	NEC, Narasaraopet	I
2	V.Narendra &G.karthik	KHIT	II
3	V.Mythri	RVR&JC	III



The details of technical quiz winners are mentioned below

S. No.	Participant Name	College Details	Position
1	D.Meramma,SK.Mansur & SK.AdamShafi	NEC, Narasaraopet	I
2	V.Narendra , K.Pavan kalyan & G.karthik	KHIT, Guntur	II



The details of Model making winners are mentioned below.

S.No	Student Name	College Name	Title Of the Model
1	P.Lokesh Sumanth	NEC	Clover leaf intersection
2	A.Naveen D.Jeevan kumar	NEC	City on the edge
3	Greeshmanjali	NEC	Water purification





Narasaraopeta Engineering College organized Farewell Party on 28th February 2025 at the college auditorium, where students of B.Tech 3rd year bid farewell to the outgoing students of B.Tech final year with great enthusiasm.







Department of Civil Engineering organized a Seminar on "Managerial leadership positions in the Construction, Real Estate, Infrastructure, and Project (CRIP) & Built Environment Sector." delivered by Prof. Shyam Kumar Inturi, NICMAR University of construction studies, Hyderabad on 17-03-2025.

Department of Civil Engineering organized an Expert Lecture on "Locally Availble Soil as Compacted Clay Liner" delivered by Dr.Y. Sudheer Kumar, MITS, Madanapalle on 11-04-2025.



Alumni Voice

I feel fortunate to be a student of Narasaraopeta Engineering College as it helped me to both on personal and professional front. It inculcated a lot of intra and interpersonal skills which helped me in all round development. Teaching by the senior faculty and the field exposure in my college life has helped me a lot in securing a good job. Personal care towards me by the faculty members has helped me in qualifying the competitive exams at national level. I thank the management of the college for providing necessary materials and books in the library to face the competitive world.



K. Vandana
(20475A0113)
Soft services Executive,
CBRE South Asia Pvt. Limited,
Hyderabad.

Student's Voice

I acknowledge that my knowledge has been enriched due to my association with our department. Knowledge transformation programs (Guest lecture, workshops, Industrial Visits & skill development programme) conducted to the students is really helpful to face global competition.



M.Sai Ganesh
23475A0116
IV B. Tech - CIVIL

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Vision

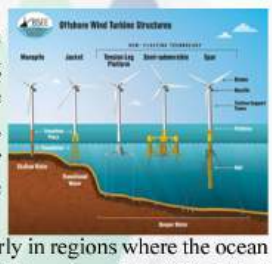
- To impart student Centric Education in the field of Electrical & Electronics Engineering to transform the individuals into competent Engineers with a focus on research and ethics.

Mission

- To provide knowledge-based technology and infrastructuretomeettheneedso-findustryandSociety.
- To assimilate innovation and research-oriented culture to make successful professionals and entrepreneurs.
- To encourage lifelong learning with ethics among the studentssoastomaketh-emasresponsibleindividuals.

MODERN TRENDS IN TECHNOLOGY

FLOATING OFFSHORE WIND FARMS



One of the most promising advancements in renewable energy is the development of floating offshore wind farms. Unlike traditional offshore wind farms that are anchored to the seabed, floating wind turbines can be placed in deeper waters, where winds are stronger and more consistent. This innovation significantly expands the potential for wind power generation, particularly in regions where the ocean is too deep for conventional turbines. Of the world's estimated 71,000 GW of offshore wind energy potential, 51,000 GW is only accessible with floating turbines.

- Floating wind farms can significantly increase the area available for offshore wind development, especially in countries with limited shallow waters.
- There is a significant pipeline of floating offshore wind projects under development, with projected capacity increases in the coming years.
- Deeper waters often have stronger and more consistent winds, leading to greater energy output.
- Costs are expected to decline as the technology matures and scales up

WIRELESS POWER TRANSMISSION



Wireless power transfer works by using electromagnetic fields to transfer electrical energy from a power source to an electrical device without the need for physical connectors or wires. There are a few different methods for wireless power transfer, but one of the most common approaches is inductive coupling.

- Since no physical connectors are involved, charging ports and cables have less wear and tear. This can extend the lifespan of devices, especially those with delicate or frequently used charging ports.
- Wireless power transfer systems are designed with safety in mind. They often include temperature monitoring and foreign object detection to prevent overheating or damage. This can reduce the risk of electrical accidents or fires.
- Some wireless charging technologies, like inductive charging, can be implemented with waterproof and durable materials, making them suitable for outdoor and rugged applications.
- Wireless power transfer can work through various materials, such as wood, plastic, and glass. This allows for more flexibility in the design and placement of charging pads.
- Wireless charging pads can be integrated into furniture, vehicles, and various consumer electronics without disrupting the visual aesthetics. This is important for interior design and product aesthetics.
- Wireless charging is handy for mobile and handheld devices, like smartphones and wearables. It allows for convenient and hassle-free charging on the go.
- Wireless charging for electric vehicles offers a more convenient and hands-free way to charge electric cars, which can be especially valuable for autonomous vehicles that can park and charge on their own.
- In space, wireless power transfer can transmit power from solar panels on satellites to the spacecraft's systems, eliminating the need for physical wires that can be damaged or compromised in the harsh space environment.

FACULTYFOCUS

FDPSATTENDED:

- The following faculty members are participated & successfully completed in the AICTE recognized FDP online STC on "Science, Technology and Innovation for Sustainable Development" organized by the department of EEE, Narasaraopeta Engineering College (Autonomous), from 27-1-25 to 31-1-25 in association with NITTTR, Chandigarh.

1. P.D.V.S K. Kishore
2. Mr. G. Nagaraju
3. Mr M. Chandra Sekhar
4. Mr. Sk. Abdul Kalam
5. Sk.Karimulla
6. Mr G. Naveen
7. Mrs. P.Bramarambavathi
8. Mrs. P. Raghava Rani
9. Mrs. K.Silpa





- Mr. Sk.Abdul Kalam has successfully completed "Unlocking Innovation: Research funding,proposal writing and IPR stratagies for startups" held during March 03-08, 2025 an online FDP organized by the Department of Electrical & Electronics Engineering, Joginapalli BR Engineering College, Hyderabad.
- Mr. G.Naveen has successfully completed "Unlocking Innovation: Research funding,proposal writing and IPR stratagies for startups" held during March 03-08, 2025 an online FDP organized by the Department of Electrical & Electronics Engineering, Joginapalli BR Engineering College, Hyderabad.
- The faculty members are participated & successfully completed in the one week FDP offline on "Electric vehicle technology" organized by the department of EEE, Narasaraopeta Engineering College (Autonomous), from 23-07-25 to 28-07-25 in association with SKILL DEZIRE.





- The faculty members are participated & successfully completed in the one week FDP offline on "Applications of AI, ML, DL, LLM's in core engineering branches" organized by the department of CSE(AIML), CSE(CS), CSE(DS) Narasaraopeta Engineering College (Autonomous), from 13-07-25 to 19-07-25 in association with IQAC.



WORKSHOP PROGRAM

- The department of EEE Organized one week workshop on "Designing Solar PV System" in Association with Greenvion Energy Technologies,Hyderabad from 13-02-2025 to 20-02-2025.





- The II &III B. Tech II Sem Students are participated in this workshop

JUBILATION-2K25

- The department of EEE organized "A National level students TECH-FEST" In Association with Indian Society for Technical Education (ISTE) & IEEE POWER & ENERGY SOCIETY (PES) on 10-02-2025 & 11-02-2025.





- Technical Paper Presentation Contest was conducted on 10-02-2025 at seminar hall, department of EEE.

- The Project Expo Event was conducted by department of EEE on 10-02-2025.





- The Technical Quiz Program was conducted by department of EEE on 10-02-2025.

FAREWELL PROGRAM

- The department of EEE III Year Students Organized a Farewell function for IV Year Students held on 01-03-2025.



Student Focus

NPTELCourseDetails

- The department of EEE Organized one week workshop on "Designing Solar PV System" in Association with Greenvion Energy Technologies, Hyderabad from 13-02-2025 to 20-02-2025.

Year& Sem	Title	Course Duration	No. of Students Completed
IV-II	Introduction to Internet of Things	Jan-April, 2025	01
III-II	Cloud Computing	Jan-April, 2025	04
	Introduction To InternetofThings	Jan-April, 2025	02
II-II	Cloud Computing	Jan-April, 2025	28
	Cloud Computing & Distributed Systems	Jan-April, 2025	02

AICTE -PARAKH

- From III B.Tech,II SemEEE, 50 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.





- From II B.Tech, II Sem EEE, 35 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.

STUDENT ACHIEVEMENTS:

MAHOSTAV GOT TALENT

- D.Naganjali (22475A0222), of IV EEE has won the First Prize in the events of TRADITIONAL YOGASANA (WOMEN) at VIGNAN'S MAHOTSAV GUNTUR, ANDHRA PRADESH, from 06-02-2025 to 08-02-2025.





- D.Naganjali (22475A0222), & Vijaya Lakshmi(22475A02)of IV EEE has won the Second Prize in the events of Rangoli at VIGNAN'S MAHOTSAV GUNTUR, ANDHRA PRADESH, from 06-02-2025 to 08-02-2025.

- II B.TECH EEE Students Mr.B. Veeranjaneyulu, Mr.K.Janardhanbabu and Mr.K.Sai Manikanta got gold medal(Ist Prize) in the contest " 5 day workshop & Hackathon smart mobility, vehicle safety & AI systems" conducted by Department of EEE, Bapatla Engineering College.



ACADEMIC TOPPERS:

The following studentsare secured with highest marks in their respective semester results.



I –B.TechI–SEM



II –B.Tech I–SEM



III–B.Tech I–SEM



IV–B.Tech I–SEM

INDUSTRIAL VISITS:

As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.

- The II EEE students are visited 765/400kV Substation of Power Grid Corporation of India Limited, located in Annavaram, Rompicherla Mandal, on 05-04-2025.





- As part of co-curricular activities, the Department of EEE organised an industrial visit for the 23rd Batch of II B.Tech EEE students to the 765/400kV Substation of Power Grid Corporation of India Limited, located in Annavaram, Rompicherla Mandal, on 05-04-

TRAINING PROGRAMS ORGANIZED:

- CRT–Training Program is conducted for III B.Tech EEE Students from 24-04-25 to -06-05-04-25 organized by internal Team.





- Cream Batch Summer Training for III B.Tech EEE Students on" Mean Stack Technologies" from 24-04-25 to 03-06-25 organized by Internal team.







PLACEMENTS:

- 4 Students of IV-EEE are placed in MCORE With a package of 4 LPA on 20-01-2025.
- 13 Students of IV-EEE are placed in SAVANTIS, with a package of 4. LPA on 05 - 02-2025.
- 2 Students of IV-EEE are placed inQSPIDERS With a package of 4 LPA on 18-03-2025.
- 6 Students of IV-EEE are placed in ITC LTD With a package of 4 LPA on 04-04-2025
- 1 Student of IV-EEE are placed in RINEX TECHNOLOGIES With a package of 4 LPA on 04-04-2025.
- 5 Students of IV-EEE are placed in PLUGINLIVE With a package of 4 LPA on20-01-2025.
- 5 Students of IV-EEE are placed in TAROPUMPS, with a package of 4.2LPA on 05-02-2025.







- 1 Student of IV-EEE are placed in PENTAGON SPACE With a package of 4 LPA on 04-04-2025
- 1 Student of IV-EEE are placed in CADSYS With a package of 4 LPA on 04-04-2025.
- 7 Students of IV-EEE are placed in ZFWABCO With a package of 4 LPA on 18-03-2025.
- 1 Students of IV-EEE are placed in ALLDIGI TECH LTD With a package of 4 LPA on 04-04-2025.
- 7 Students of IV-EEE are placed in NCR ATLEOS With a package of 4 LPA on 04-04-2025.
- 2 Students of IV-EEE are placed in CONQUER LLEARNING With a package of 4 LPA on 04-04-2025.
- 2 Students of IV-EEE are placed in EDU VARSITY With a package of 4 LPA on 04-04-2025.

ALUMNIVOICE:



20471A0221
Trainee Engineer

It is an immense pleasure to say that I was a part of NEC. The facilities are really very kind & approachable when any need arises. Today, I am in good position it's because of what I have leant from NEC. The Professors are dedicated experts & helpful in their respective subjects. Their experience helps us to learn more about industrial relevance of the subjects. There are many co-curricular & extracurricular activities conducted by the NEC. Finally, I would like to thank the entire NEC family for providing such a wonderful educational platform for students from different corners of India.

STUDENT'SVOICE:



21475A0224
II EEE

I am proud to be part of NEC, the college not only impartsknowledgebutalsoinstillslifeskillsinustomake us responsible person.In this competitive and expensive era, the objective of NEC imparting quality education of affordable cost in really praise worthy.Thanks to all my staff and NEC group.

DEPARTMENT OF MECHANICAL ENGINEERING

WE BUILD MACHINES THAT BUILD NATION

Vision

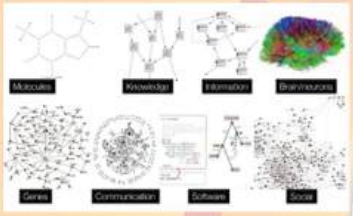
- To strive for making competent mechanical engineering Professionals to cater the real time needs of Industry and Research Organizations of high repute with entrepreneurial skills and ethical values.

Mission

- To train the students with state of art infrastructure to make them industry ready professionals and to promote them for higher studies and research.
- To employ committed faculty for developing competent mechanical engineering graduates to deal with complex problems.
- To support the students in developing professionalism and make them socially committed mechanical engineers with morals and ethical values.

MODERN TRENDS IN TECHNOLOGY:

Graph Neural Networks:



Graph Neural Networks (GNNs) are a class of machine learning models designed to work with data represented as graphs.

Unlike traditional models, GNNs can capture relationships and dependencies between connected nodes.

They are well-suited for tasks involving structured data like social networks, molecular structures, and recommendation systems.

GNNs work by iteratively aggregating and updating information from neighboring nodes.

Popular variants include Graph Convolutional Networks (GCNs) and Graph Attention Networks (GATs).

GNNs excel in node classification, link prediction, and graph classification problems.

They enable better learning from non-Euclidean data, which is not grid-like like images or text.

GNNs are increasingly used in fields like drug discovery, fraud detection, and logistics optimization.

FACULTY ACHIEVEMENTS:

WORKSHOPS/CONFERENCES/ WEBINARS/FDPS/ QUIZ/ATTENDED:

The following faculty participated in AICTE Training and learning (ATAL) Academy faculty development program on "Advanced technologies for energy efficient & sustainability", at Sree Datha Institute of Engineering And Science from 20/01/2025 to 25/01/2025.

S.No	NAME	Designation	DURATION
1	Dr.D.Suneel	Vice Principal, Professor	20/01/2025 to 25/01/2025.
2	Dr.B.Venkata Siva	HOD, Professor	20/01/2025 to 25/01/2025.
3	Dr.M.Venkanna Babu	Associate Professor	20/01/2025 to 25/01/2025.
4	P.Sravani	Assistant Professor	20/01/2025 to 25/01/2025.
5	Raghavendra	Assistant Professor	20/01/2025 to 25/01/2025.
6	Dr.P.Suresh babu	Associate Professor	20/01/2025 to 25/01/2025.
7	K.John babu	Assistant Professor	20/01/2025 to 25/01/2025.
8	M.Mothilal Naik	Assistant Professor	20/01/2025 to 25/01/2025.



Dr.B.Venkata siva, HOD ME , attended for Two day workshop on "Multi sensor system and AI for real time process monitoring ", organized by Mechanical department NIT-AP from 20/03/2024 to 21/03/2024.

S.No	NAME	Designation	Membership
1	Dr.D.Suneel	Vice Principal, Professor	IFERP
2	Dr.B.Venkata Siva	HOD, Professor	IFERP
3	Dr.M.Venkanna babu	Associate Professor	IFERP
4	P.Sravani	Assistant Professor	IFERP
5	D.Raghavendra	Assistant Professor	IFERP
6	Dr.P.Suresh babu	Associate Professor	IFERP
7	K.John babu	Assistant Professor	IFERP
8	M.Mothilal Naik	Assistant Professor	IFERP
9	Ch.Sekhar	Associate Professor	IFERP
10	D.Ratna babu	Assistant Professor	IFERP
11	K.Kiranchand	Assistant Professor	IFERP
12	T.Ashok kumar	Assistant Professor	IFERP
13	A.Pavan kumar	Assistant Professor	IFERP

FACULTY CERTIFICATIONS:



Dr.M.Venkanna babu, Associate Professor participated in "Innovation Ambassador Training", organised by Innovation cell & AICTE through online mode.



Dr.B.Venkata siva, HOD ME, participated in one week FDP on "Enhancing The Pharmacist Skills –The AI Advantage, organized by National information library network center Gandhi nagar from 16/12/2024 to 21/12/2024



K.John babu, Assistant Professor completed Oracle certified course by Oracle Fusion Cloud Applications HCM Certified Foundations Associate.



Ch.Sekhar, Assistant Professor completed "Cloud Computing and Distributed Systems", NPTEL certified course with 69% (Jan –March 2025).



A.Pavan kumar, Assistant Professor completed "Introduction "Introduction to Internet of Things", NPTEL certified course with 70% (Jan –April 2025).



D.Raghavendra, Assistant Professor completed "Introduction to Internet of Things ", NPTEL certified course with 90% (Jan –April 2025).

P.Sravani, Assistant Professor completed "Introduction to Internet of Things", NPTEL certified course with 77% (Jan –April 2025).





M.M.Naik, Assistant Professor completed "Cloud Computing and Distributed Systems", NPTEL certified course with 62% (Jan –April 2025).

DEPARTMENT ACTIVITIES:



Mechanical Engineering department organized One day Hands -On workshop on "ELECTRIC VEHICLE TECHNOLOGY", for second ,third and final year students on 03/01/2025. Mr.Bhushan P. Navarkar Founder & Managing director EVFarm INDIA Private limited, PUNE acted as resource person.

Department of Mechanical Engineering is organized " National level Student Tech-Fest JUBILATION -2K25",on 10th & 11th Feb-2025. About 114 students from various colleges have actively participated. Dr.Tanya Buddi, Associate Professor, Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Hyderabad,Telangana, has acted as judge .Total Eight prizes were announced for all the events after thorough evaluation.

S.NO	NAME OF THE EVENT	No. of PARTICIPANTS		PRIZE WINNERS	TITLE	CASHPRIZE DETAILS
		INTERNAL	EXTERNAL			
1	MECH SLIDES	17 Batches	3 batches	1ST Prize: NEC V.Hemalath Meghana	Productive Maintenance of Industrial Equipment	2000
				2nd Prize: NEC N. Meghanadh, A.P.V. Rama Rao	3D Printing	1500
				3rd Prize: NEC G. Anjaneyulu	Fabrication & Analysis Refrigeration by using LPG Gas as refrigerant	1000
2	QUIZ THUNDER	15 Batches	6 Batches	1ST Prize: (UCEN-JNTUK) P. Tarun Kumar G. Bharath A. Srinivas	--	2000
				2nd Prize: NEC S. Venkata Gopi V. Harsha Vardhan N.N.S. Krishna	--	1500
3	YANTRALAYAM	21 Batches	1 Batch	1ST Prize: NEC B. Yuva Raju A. Veeranjaneyulu V.Ganapathi Lakshmi Naidu	Design and Fabrication of Drone on 3D Printing	2500
				2nd Prize: NEC U. Nagaminikanta G. Ramesh G. Siva Kumar	Mors Rovar	2000
				3rd Prize: NEC V. Santhi Kumar P. Venu Babu M.Tejopathi Sasidhar Rao	Mobile Charger	1000



Prize by Y. Hemalatha Meghana IV Mechanical, Narasaraopeta Engineering College





2nd Prize by N. Meghanadh, A.P. V. Rama Raio IV Mechanical, Narasaraopeta Engineering College

3rd Prize by G. Anjaneyulu, IV Mechanical Engineering, NEC



Photos of the Event: QUIZ THUNDER



1st Prize by P. Tarun Kumar, G. Bharat, A. Srinivas II Mechanical, UCEN-JNTUK

2nd Prize by S. Venkata Gopi, V. Harshavardhan, N.N.S Krishna III Mechanical- NEC



Photos of the Event: YANTRALAYAM



1st Prize by B. Yuvaraju, A. Veeranjineyulu, V. Ganapathi Lakshmi Naidu IV ME, NEC

2nd Prize by U. Nagamanikanta, G. Ramesh, G. Siva Kumar III ME - NEC





3rd Prize by V. Santhi Kumar, P. Venu Babu, M. Tejopathi Sasidhar Rao III Me -NEC



Judge Facilitation -2K25



22 Students from mechincal engineering department participated in prestigious IDE Bootcamp: Edition 2 - Phase II, hosted by IIM Sambalpur from 17th to 21st February 2025. Organized by AICTE and the Ministry of Education's Innovation Cell. This bootcamp is a powerhouse where innovation converges with entrepreneurship.



Department has organized Two day workshop on "ROBOTICS & INDUSTRIAL AUTOMATION", for third and final year students by Dr P.V.Shanmuganathan,, Professor department of mechanical engineering SRM, AP from 06/03/2025 to 07/03/2025.

Department has organized Two day workshop on "ROBOTICS & INDUSTRIAL AUTOMATION", for third and final year students by Dr P.V.Shanmuganathan, Professor department of mechanical engineering SRM, AP from 06/03/2025 to 07/03/2025.





Department has organized Alumni talk to third year students on "Career opportunities' in CORE", on 07/03/2025, For this program Mr Dasari.HemaGurunadh, Design Engineer, Diligent scm solutions pvt ltd acted as a Resource person.

Mechanical Engineering Department organized one week FDP on "AUTODESK Auto CAD", by ICT ACADEMY during 05/05/25 to 09/05/25.







MOUs:

STUDENT FOCUS:

STUDENTERTIFICATIONS/ PARTICIPATIONS IN WORKSHOPS / CONFERENCES/ PROGRAMS:



On the occasion of Jubilation-2K25 on 10 & 11-02-2025, about 114 students from various colleges have actively participated. Out of total 114 students, 37 students from outside colleges i.e. UCEN- JNTUK College of Engineering Narasaraopet, RVR&JC Engineering College, Guntur etc. 77 students from NEC have actively participated Dr.Tanya Buddi, Associate Professor, Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Hyderabad,Telangana, has acted as judge.

04 Students from mechincal engineering department participated in prestigious IDE Bootcamp: Edition 2 - Phase II, hosted by R.V.R.J.C college of engineering technology from 17th to 21st February 2025. Organized by AICTE and the Ministry of Education's Innovation Cell. This bootcamp is a powerhouse where innovation converges with entrepreneurship.



Banner of Bootcamp



R.V.R. & J.C. Bootcamp inauguration with honorable guests





Third year students G. Anand Babu & V. Harsha Vardhan from III B.Tech, Mechanical Engineering, NEC received the 1st Prize under Best User Experience Design in INDIA DESIGN WEEK 2025 competetion organized by ICTACADEMY and hosted by Sri Ram Engineering college ,Chennai during 24/04/25 to 25/04/25.





Third year students K. koteswara Rao and P. Ajay Kumar from III B.Tech, Mechanical Engineering, NEC secured 5th Position in Overall Competition in INDIA DESIGN WEEK 2025 competetion hosted by sri Ram Engineering college , Chennai during 24/04/25 to 25/04/25.

CAMPUS PLACEMENTS:

Twelve students from final year selected in "ITC Limited", in campus recruitment drive.



Twelve students from final year selected in "ITC Limited", in campus recruitment drive.

S.No	ROLL NO	NAME	BRANCH	COMPANY
1	22475A0307	Sanjay Kumar Behera	MECH	ITC LTD
2	22475A0324	Lakshmi Narayana Battula	MECH	ITC LTD
3	22475A0325	Anjaneyulu Gudikandula	MECH	ITC LTD
4	22475A0334	Nagur Basha Shaik	MECH	ITC LTD
5	22475A0339	Yugandhar Balaga	MECH	ITC LTD
6	22475A0349	Mohan Krishna Korrapati	MECH	ITC LTD
7	22475A0301	LUKALAPU RAMBABU	MECH	RINEX TECHNOLOGIES
8	22475A0340	NEYYELA KUMAR BEHERA	MECH	RINEX TECHNOLOGIES
9	21471A0312	Hemalatha Meghana Yelchuri	MECH	CADSYS
10	21471A0302	Yuvaraju	MECH	Wheels India Ltd
11	21471A0303	Venu	MECH	Wheels India Ltd
12	21471A0306	Anka Rao	MECH	Wheels India Ltd
13	21471A0312	Hemalatha Meghana	MECH	Wheels India Ltd
14	22475A0304	Gowrisankara Rao	MECH	Wheels India Ltd
15	22475A0307	Sanjay Kumar	MECH	Wheels India Ltd
16	22475A0313	Vamsi Ganesh	MECH	Wheels India Ltd
17	22475A0325	Anjaneyulu	MECH	Wheels India Ltd
18	22475A0335	Sarath Kumar	MECH	Wheels India Ltd
19	22475A0338	Meghanadh	MECH	Wheels India Ltd
20	22475A0341	Pavan Kumar	MECH	Wheels India Ltd
21	21471A0301	VEERANJANEYULU ANGIREKULA	MECH	ALLDIGI TECH LTD
22	21471A0303	VENU BOMMIREDDY	MECH	ALLDIGI TECH LTD
23	21471A0306	ANKA RAO KUNCHALA	MECH	ALLDIGI TECH LTD
24	22475A0335	SARATH KUMAR GOLLAPUDI	MECH	ALLDIGI TECH LTD
25	21471A0306	Anka Rao Kunchala	MECH	NCR ATLEOS
26	22475A0309	Gopi Purna Malladi	MECH	NCR ATLEOS
27	22475A0335	GOLLAPUDI SARATH KUMAR	MECH	CONQUER E-LEARNING

Vision

To emerge as a center of excellence in Electronics and Communication Engineering through student-centric education and research focus to cater to the current and future needs of society.

Mission

❖ To provide the best infrastructure for empowering the students with quality education to motivate them towards higher studies and research.

❖ To provide qualified and experienced faculty for student-centric teaching in order to mould the students as successful professionals in the modern Electronics industry.

❖ To inculcate leadership qualities, professional etiquette, ethical values, and social responsibilities.

Modern Trends in Technology

• Immersive Technologies



The bionic eye is an artificial eye and the main function of this eye is to provoke visual vibrations within the human brain by motivating different elements of the optic nerve directly. Other investigational places can excite the ganglia cells over the retina. So, there is more attention is given to the artificial retinas for making. There are different kinds of artificial eyes are designed but there is no typical model. So scientists are working on different kinds of ideas.

The prototype of this eye is 2 millimetres across & includes 3,500 micro photodiodes that are arranged at the back of the retina. This mini solar cell collection can be designed to change the normal beam to electrical signals. These signals are sent to the human brain through the residual well parts of the eye retina.

• E-Bomb



An electromagnetic bomb (E bomb) is one kind of weapon. This weapon utilizes a strong electromagnetic field for making a concise energy pulse that has an effect on electronic circuitry without damaging humans otherwise buildings. This electromagnetic bomb generates the electromagnetic shock signals to damage the electronic circuit as well as enemy forces communication networks.

Extremely high levels will damage electronic circuitry totally, therefore detaching any kind of machine by using electricity like radios, computers & ignition systems within vehicles. The E-bomb market is influenced by high power microwaves across the world. The main application of this is in the military sector to target the mobile of enemies, naval vessels & mobile radars using communication systems, electronic systems & air defense systems.

At present, the demand for GPS based E-bombs is growing quickly because these bombs lead conventional weapons for tactical air attacks. These bombs are mostly equipped with guided weapons using electronic sensors, control systems & changeable flight fins to provide guidance capacity through more precision. In the arrangement of the military, this e-bomb weapon plays a major role in dissimilar military relationships. Nuclear weapons are also improving the expansion of these bombs in the market around the globe.

FACULTY FOCUS

Awards



• Dr. Y. Jaipal Reddy has recognised as a Reviewer of IEEE ICMACC24 of VNR Vignana Jyothi Institute of Engineering and Technology, From 19-12-24 to 21-12-24.



• Mr. M. H. H. Sastry has got Certificate of Appreciation for being recognized as "NPTEL DISCIPLINE STAR" During JAN-APR-2025 by NPTEL.

Faculty Publications

1. Dr. B. Suneetha has published a paper on "An Efficient Architecture for Signed Carry Save Multiplication", in African Diaspora Journal Of Mathematics Care Group 1, Vol.27 No.4 (2024): December.



2. Dr. B. Siva Nageswara Rao has presented the Research paper Titled "IoT Based Electric Vehicle with Real Time Monitoring and Accident Detection" at the 2nd International Conference on Recent trends in Microelectronics, automation, Computing and Communication Systems, Hosted by Circuits and Computing Branches of VNR vignana Jyothi Institute of Engineering and Technology, in Association with IEEE Hyderabad section, From 19-12-24 to 21-12-24.

3. Dr. Y. V. Lakshmaiah, Dr.V.Venkata Rao has published a paper entitled "Triple- Notched UWB Monopole Antenna using Swastika Structures and Closed Pi-Shape Slot", in the Journal Of Civil and Environmental Engineering , Volume 13, Issue 2, FEB-2025.



4. Dr. Sk. Ebraheem khaleelulla, Mr. J. Narasimharao, Mr. P. Jaya Babu, Mrs. P. Vinuthna, Mr. P. Srinivasa Rao, Dr. J. Brahmaiah Naik, Mr. G.S. J. Victor, Mr. V. Naveen Raja, Mr. D. Suneel, Dr. V. Venkata Rao has Published a Patents Titled, "Advanced Rfid Tracking System With Integrated Ai Analytics", ", in the Patent Office Journal No. 1/2025, on 03-01-25 .

5. Mr. P. Jaya Babu, Mr. Ch. Seshu Kumar, Mr. Ch. Adi Babu, Mr. P. S. S. Chakravarthy, Mr. J. Narasimharao, Dr. B. Siva Nagesawara Rao, Mr. M. H. H. Sastry, Dr. Sk. Nannu Saheb, Dr. K. Raju, Dr. Y. V. Lakshamaiah, has Published a Patents Titled, "Wearable Device For Real-Time Vital Sign Monitoring With Edge Processing", in the Patent Office Journal No. 02/2025 on 10-01-25.

6. Mr. M.B. Narendra, Dr. B. Suneetha, Mrs. T. Indira, Mrs. G. Rajavali, Mrs. P. Vinuthna, Dr. Sk. Nannu Saheb, Mr. G.S. J. Victor, Mr. A. Raveendra Babu, Mr. G. Ramana Reddy, Mr. A. Ramesh, has Published a Patents Titled, "Quantum Dot Led Display For Improved Visual Performance And Power Efficiency", in the Patent Office Journal No. 1/2025 on 03-01-25.

7. Mrs. T. Indira, Dr. K. Srinivasa Rao, Dr. B. Suneetha, Mr. M. B. Narendra, Mr. Ch. Adi Babu, Mrs. G. Rajavali, Dr. Y. Jaipal Reddy, Mr. N.Srinivasa Rao, Mr. M. Hari Haranadha Sastry, Mr. V. Naveen Raja, has Published a Patents Titled, "LOW-POWER IOT DEVICE FOR REAL-TIME ENVIRONMENTAL SENSING", in the Patent Office Journal No.2/2025 on 10-01-25.

8. Dr. Md. Javeed Ahamad, Dr. Y. V. Lakshmaiah, Dr. Sk. Ebraheem Khaleelulla, Mr. Sk. Md. Shareef, Mr. P. S. S. Chakravarthy, Mr. N. Satyanarayarana, Mr. B. Baloji Naik, Mr. A. Raveendra Babu, Mr. B. Babu Rao, Mr. P. Srinivasarao, has Published a Patents Titled, "SMART ANTENNA SYSTEM FOR ENHANCED WIRELESS COMMUNICATION RANGE", in the Patent Office Journal No.1/2025 on 03-01-25.

9. Dr. SK. Ebraheem Khaleelulla has published a paper on "Analysis of Cognitive Abilities in Students using Future Optimization on EEG Signals" in SEEJPH Journal, Volume XXVI, 2025.



9. Dr. SK. Ebraheem Khaleelulla has published a paper on "Analysis of Cognitive Abilities in Students using Future Optimization on EEG Signals" in SEEJPH Journal, Volume XXVI, 2025.

10. Dr. Y. JaiPal Reddy has published a paper on "A Crossbreed and Powerful Machine Learning Archetype for Unparalleled Safety and Effectiveness in Wireless Sensor Networks " in Spring Nature Journal, on 25-03- 2025.

11. Dr. B. Suneetha and Dr. V. Venkata Rao has published a paper on "Detection of Type 2 Diabetes on Electronic Health Records Using Hybrid Support Vector Machine & Random Forest", from IEEE Xplore on 25-04-25.

12. Dr. V. Venkata Rao and Dr. B. Suneetha has published a paper on "Implementation of Heart Disease Prediction Using PCA Classification Algorithm", from IEEE Xplore on 25-0425.

FDPs attended by our Faculty Members

1. Mr. G. Ramana Reddy, has Participated in FDP on "AI Applications in Banking and Healthcare Industry", Organized by CBIT Autonomous, HYD, KLE Technological University, in Collaboration with ExcelR Edtech Pvt. Ltd. From 12-12-24 to 18-12-24.



2. Mr. G. Ramana Reddy and Mr. M.B.Narendra, Has Participated a 5 day Master Class on "Silicon Symphony-VLSI", Organized by HIEE Empowering Engineers Pvt Ltd, from 23-12-24 to 27-12-24.



3. Mr. M.B.Narendra, Has Participated in the FDP on "Fundamentals of Machine Learning", conducted by Electronics and ICT Academy, C-DAC HYD, From 20-12-24 to 24-12-24.



4. Dr. V. Venkata Rao, Dr. Md. Javeed Ahammed, Dr. B. Suneetha, Dr. Sk. Ebraheem Khaleelulla, Mr. V. Naveen Raja, Mr. P. Jaya Babu, Mr. G. Ramana Reddy, Mr.Sk. Md. Shareef, Dr. Y. Jai Pal Reddy, Dr. Sk. Nannu Saheb, mrs. T. Indiara, Mrs. G. Rajavali, Mrs. P. Vinuthna, Mr. B. Babu Rao, Mr. N. Srinivasa Rao, Mr. P. Srinivasa Rao, Mr. CH. Adi Babu, Mr. A. Ramesh, has successfully participated and completed AICTE, ATAL FDP on "Research Advancements In Machine Learning for Engineering Applications", at SASI Institute of Engineering & Technology, from 20-01-25 to 25-01-25.



5. Dr. V. Venkata Rao, Dr. Y. V. Lakshmaiah, Dr. Sk. Ebraheem Khaleelulla, Mr. A. Raveendra Babu, has successfully participated and completed AICTE, Recognized FDP on "Science, Technology and Innovation for Sustainable Development ", Conducted by EEE Dept, Narasaraopeta Engineering College, from 27-01-25 to 31-01-25.



6. Mr. M.B. Narendra has successfully participated and completed AICTE (ATAL) FDP on "Emerging VLSI and Antenna Technology for Secure Communication in Diffense Systems and Enhanced Radiation Protection in Space Environments" at GANDHI Institute of Technology and Management GITAM Campus Bengaluru, from 03-02-25 to 08-02-25.



7. Dr. V. Venkata Rao, Dr. Y. Jaipal Reddy, Mr. A. Raveendra Babu, Dr. Sk. Ebraheem khaleelulla, Mr. Ch. Adi Babu, Mr. P. Jaya Babu, Mrs. P. Vinuthna, Mr. G. Ramana Reddy, Mr. A. Ramesh, Mr. Ch. Seshu Kumar, Dr. Sk. Nannu Saheb, Mr. M.B. Narendra, Dr. B. Suneetha, Mr. D. Suneel, Mr. B. Babu Rao, Mrs. G. Rajavali, Mrs. T. Indira, has successfully participated and completed AICTE (ATAL) FDP on "Next Gen Communications: Fundamentals and Future Perspective" at TIRUMALA ENGINEERING COLLEGE from 10/02/2025 to 15/02/2025.



8. Mr. G. Ramana Reddy has successfully participated in, One week National level FDP on "AI Tools", Organized by RISE Krishna Sai Gandhi Group Of Institutions, in Association with Brainovision Solution India Pvt Ltd, in collaboration with AICTE, from 17-02-25 to 21-02-25.





9. Mr. A. Raveendra Babu has successfully participated & completed AICTE (ATAL) FDP on "Revolutionizing Electric Ve hicle Power trains: The Role Of Wide-Bandgap Semiconductors in Overcoming Challenges and Shoping Future Trends" at Dr. Mahalingam College Of Engineering and Technology, From 17-02-25 to 22-02-25.

10. Mr. Bontha. Babu Rao, has successfully participated and completed AICTE, Recognized FDP on "Innovative Technologies in Antennas for High Frequency Applications (ITAHFA- 2025)", Organized by Dept: of ECE –GMRIT, Rajam and SAIRAMIT, Chennai from 17-02-25 to 22-02-25.





11. Mr. A. Raveendra Babu, has successfully participated and completed AICTE, Recognized FDP on "Smart Communication in IoT: Security and Future Applications and Possibilities" at St. Joseph College Of Engineering from 24-02-25 to 01-03-25.

12. Mr. G. Ramana Reddy, has successfully participated in one day National Webinar on, "Impact of Public Policies on Income Distribution" at Smt. Bangaramma Sajjan Arts, Commerce & Science College for Women, Vijayapur, on 12-03-25.





13. Dr. SK. Ebraheem Khaleelulla has successfully participated in IP Awareness/ Training Program under National Intellectual Property Awareness Mission, Organized by Intellectual Property Office, on 19-02-25.

14. All the Faculty of ECE Department has participated in the 6 Day FDP on "Revolutionizing Education with Generative AI: Teaching and Learning Strategies" held from 10th to 15th March, 2025, Organized by the Dept of CSE, IT, CSE(AI), CSE(AIML), CSE(DS), CSE(CS), MCA &ECE at Narasaraopeta Engineering College in Collaboration with Blackbucks Group.



15. Dr. K. Srinivasa Rao attended two day "Awareness Session on 'Quantum Science & Technology" at JNTU Kakinada on 26-04-25 and 27-04-25.





16. Dr. V. Venkata Rao has participated in the FDP on "Research Advances in Design and Implementation of Antennas for Next- Gen Technologies(RADIANT-2025)", held on 21-04-25 to 25-04-25, Organized by the Dept: of ECE- SR University.

17. Mr. P. Jaya Babu, has successfully completed the AICTE-NPTEL FDP on "Foundation of Cloud IoT Edge ML", during Feb-April 2025, by AICTE-NPTEL.





18. Mr. G. Ramana Reddy, has participated in the Foreign Guest Lecture on "AI and Machine Learning: Application to Engineering", Organised by School Of CSE, VIT-AP, Amaravathi on 25-04-25.

19. Mr. P. Srinivasa Rao, Dr. Y. V. Lakshmaiah, Dr. Sk. Ebraheem Khaleelulla, Mr. A. Raveendra Babu, Mrs.P. Vinuthna, Dr. J. Brahmaiah Naik, Mr. Ch. Adi Babu, Mr. P. Jaya Babu, Mr. V. Naveen Raja, Mr. M.B. Narendra, Dr. K. Srinivasa Rao. Dr. Md. Javeed Ahammed, Mr. J. Narasimha Rao, Dr. Y. Jaipal Reddy, has participated in the "OUTCOME BASED EDUCATION, (OBE)" Training Programme at Narasaraopeta Engineering College, Jointly Organised by Directorate of Admissions, and Teaching Learning Center, SRM University Amaravathi,(Out Reach Activity), on 09-05-25.



20. Mr. M.H. H. Sastry, has successfully completed the AICTE-NPTEL FDP on "Introduction to IoT ", during Jan-April 2025, by AICTE-NPTEL.





21. Dr. B. Suneetha, has successfully completed the AICTE-NPTEL FDP on "Introduction to Machine Learning", during Jan-April 2025, by AICTE-NPTEL.

22. Mrs. P. Vinuthna, has successfully completed the AICTE-NPTEL FDP on "Foundation of Cloud IoT Edge ML", during Feb-April 2025, by AICTE-NPTEL.



23. Mrs. T. Indira, Mrs. G. Rajvavali, Mr. P.S. S. Chakravarthy, has successfully completed AICTE -NPTEL FDP, on "Introduction to Industry 4.0 and IoT", during Jan-April 2025, by AICTE -NPTEL.



24. Dr.Y. V. Lakshmaiah, has participated in the 5th One Week workshop on "RF & Microwave Components (Hybrid)", Organised by School Of SENSE, VIT-AP Univaersity, Amaravathi from 15-05-25 to 21-05-25.



NPTEL Courses



1. Mr. P. Jaya Babu, has successfully completed the NPTEL Course on "Foundation of Cloud IoT Edge ML", during Feb-April 2025, by AICTE-NPTEL.



2. Dr. B. Suneetha, has successfully completed NPTEL Course, on "Introduction to Machine Learning", during Jan-April 2025, by AICTE-NPTEL.



3. Dr. Sk. Ebraheem Khaleelulla, has successfully completed NPTEL Course, on "Introduction to Machine Learning", during Jan-April 2025, by AICTE- NPTEL.



4. Dr. B. Siva Nageswara Rao, has successfully completed NPTEL Course, on "Deep Learning- IIT Ropar", during Jan-April 2025, by AICTE - NPTEL.

5. Dr. B. Siva Nageswara Rao, Mr. M. H. H. Sastry, Dr. Y. Jai Pal Reddy, Mr. Ch. Seshu Kumar, Mrs. T. Indira, Mrs. G. Rajvavali, Mr. P.S. S. Chakravarthy, has successfully completed NPTEL Course, on "Introduction to Industry 4.0 and IoT", during Jan-April 2025, by AICTE -NPTEL.





DEPARTMENT ACTIVITES

• ECE Faculty attended for Release of Draft UGC Regulations, 2025 and inauguration of new Auditorium in the UGC office, New Delhi, by Hon'ble Minister of Education Shri Dharmendra Pradhan ji, On 6th January 2025 at 2.45 pm.





• Research Center inspection by JNTUK, in Narasaraopeta Engineering College for the department of ECE on 9-01-2025 at 11:30 AM.

• Republic Day Celebrations in Narasarao peta Engineering College, Organised by ECE Department on 26-01-25







• "JUBLIATION 2K25", A National Level Technical, Cultural, Sports & Inter-College NCC Fest was Celebrated in Narasaraopeta Engineering College from 10-02-25 to 11-02-25.

• Technical Paper Presentation by participants on 10-02-25, Resource Person, Dr. A. Gangadhar Assoc. Professor & HoD,Department of ECE,UCEN, JNTU NARASARAOPET





• Circutrix programme on the occasion of Jublilation 2K25 in NEC, on 10-02-25

• Project Expo on the occasion of Jublilation 2K25 in NEC, on 10-02-25





• A Seminar on "VLSI & EMBEDDED SYSTEMS", Resource Person, Dr. A. Gangadhar Assoc. Professor & HoD,Department of ECE,UCEN, JNTU NARASARAOPET.

• "Parent Teacher meeting" was conducted on 12-04-25 by ECE Department, in Block-3 Main Seminar Hall, Narsaraopeta Engineering College.



STUDENT FOCUS

TRAINING PROGRAMS ORGANIZED



• Proctored Grand Test schedule on 30/12/24 and 02/01/25 (TCS Test Pattern) for III-II Btech Students.

• Alumni interaction with III- ECE students by Gnaneswar Busa (Roll No.: 19471A04D1), working as Asst systems engineer trainee in TCS, Ahmedabad, and Chiranjeevi Balusupati Roll No.: 19471A04C7), working as Graduate Engineer Trainee in HCL Tech, Chennai, on 07-01-25.





• Infosys Mock Interviews conducted for IV- B-Tech Girl Students by ByteXL Team From 20-01-25 to 23-01-25.

• Demo on "creating LinkedIn Pro accounts" for the students of II & III ECE all sections on 27-01-2025 by a team of 6 trainers from Face Prep, an Edu tech company.





• A seminar on "Embracing the Joy of Volunteering in IEEE", for IEEE Students by Mr. D. ANJINEYULU, SM Lead, IEEE Education YP Committee, Hyderabad, on 01-02-25.

• III-B-Tech-ECE Students(Team: Spark Squad-2985) attendded "Innovation Design and Enterprenuership (IDE) Bootcamp Ediotion-II (Phase-2)", from 17-02-25 to 21-02-25 at RVR & JC College, in Association with AICTE & Ministry of Education's Innovation Cell (MIC).





• III-B-Tech-ECE Students Team : Care Champions - 2985) attendded "Innovation Design and Enterprenuership (IDE) Bootcamp Ediotion-II (Phase-2)" , from 17-02-25 to 21-02-25 at RVR & JC College, in Association with AICTE & Ministry of Education's Innovation Cell (MIC).

• III-B-Tech-ECE Students(Team: Fucus Protocol-2929) attendded "Innovation Design and Enterprenuership (IDE) Bootcamp Ediotion-II (Phase-2)", from 17-02-25 to 21-02-25 at RK University- Rajkot, Gujarath, in Association with AICTE & Ministry of Education's Innovation Cell (MIC).



• One week work shop on "Arduino and its applications" for II- B-tech-ECE students, by Mr. Efraim, IoT Developer, Purple Technologies, Vijayawada, From 17-02-25 to 22-02-25, Organized by Dept of ECE& IQAC, in Association with IETE.





• Workshop on "VLSI Backend Design" in the Departments of ECE for III Year students by Dr. Sushil Kumar Jain, Assistant Professor, Department of ECE, SRM University, A.P. From 06-03-25 to 07-02-25.

• On the occasion of International Women's Day, the IEEE NEC-ECE Student Branch organized a student competition on "SLOTHATHAN" fun-filled and challenging event open to all ECE Students on 06-03-25.





• Webinar on "Empowering Women in STEM, with inspiring discussions, success stories ", by Dr. J.Sofia Priya Dharshini, Prof. & HOD, Department of ECE- RGMCET & Past Vice Chair, IEEE WIE AG Hyderabad Section, on the Occasion of IEEE NEC ECE-Student Branch- Women's Day Celebrations –2K25, on March 8, 2025.

• Poster Presentation on "Internet Of Things(IoT)" is conducted for II-Year ECE Students, Organized by Dept: of ECE in Association with ISTE Student branch on 08-04-25.





• Summer Training program for III-II-ECE Students from 24th April onwards by ByteXel Company.

• Summer Training program for III-II-ECE Students from 24th April onwards by ByteXel Company.





• Summer Training program for III-II-ECE Students from 24th April onwards by ByteXel Company.

• An Industrial Visit to "Efftronics Systems Pvt. Ltd", at Mangalagiri on 09/05/2025, by II B. Tech ECE Students, Organised by Dept of ECE in Association with IEEE Student Brach.



• Overall 349 students has successfully completed NPTEL Course, on "Introduction to IOT", during Jan-April 2025, by AICTE- NPTEL.

Acadamic Toppers



II B.Tech I Semester – ECE Toppers



III B.Tech I Semester – ECE Toppers



IV B.Tech I Semester – ECE Toppe

ALUMINI VOICE



SIDDABATHUNI VENKATA HARSHITHA
Analyst II Software Engineer
DXC TECHNOLOGY
18471A0455

• Being a student at NEC has been a wonderful experience. The campus environment is vibrant and supportive, providing countless opportunities for growth. During my time here, I had the chance to build connections and enhance both my professional and social skills. To my fellow NEC students, I strongly recommend taking advantage of the various courses and training programs offered by the college—they can greatly contribute to your career development and self-confidence. I would like to extend my heartfelt thanks to every member of the NEC community.

STUDENT VOICE



Tavanam Mani deep pavan kumar reddy
23471A04CZ
III ECE

• Our department offers an ideal environment that encourages students to freely pursue their passions. It is a place where each student's future is envisioned with care. Unlike many engineering institutions today that operate like factories producing graduates in bulk, suppressing creativity, and reducing education to a mere degree our college is committed to changing this narrative. In line with this mission, I was encouraged to apply for the University Innovation Fellowship by Stanford University, a program that selects and trains students from around the world to foster positive change in their academic communities. I'm proud to be part of this initiative and even prouder to be a NECian.

Vision

- To become a centre of excellence in nurturing the quality computer science & engineering professionals embedded with software knowledge, aptitude for research and ethical values to cater to the needs of industry and society.

Mission

The department of computer science and engineering is committed to

- M1: Mould the students to become software Professionals, researchers and entrepreneurs by providing advanced laboratories.
- M2: Impart high quality professional training to get expertize in modern software tools and technologies to cater to the real time requirements of the industry.
- M3: Inculcate team work and lifelong learning among students with a sense of societal and ethical responsibilities.

Modern Trends in Technology

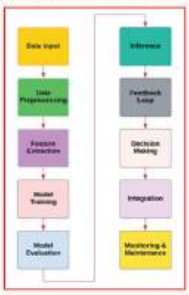
Artificial Intelligence

Artificial Intelligence (AI) refers to the simulation of human intelligence processes by computer systems. These processes include learning (the acquisition of information and rules for using the information), reasoning (using rules to reach approximate or definite conclusions), and self-correction. AI encompasses a variety of techniques and approaches, including machine learning, natural language processing, computer vision, robotics, and expert systems, among others. The goal of AI is to create systems that can perform tasks that typically require human intelligence, such as understanding natural language, recognizing patterns, solving problems, and making decisions, albeit often faster and more accurately than humans.

Component	Description
Data Input	Collects and aggregates data from various sources such as sensors or databases.
Data Preprocessing	Cleans, filters, and transforms raw data into a suitable format for analysis.
Feature Extraction	Identifies and extracts relevant features from the preprocessed data.
Model Training	Uses machine learning algorithms to train models on labeled data.
Model Evaluation	Assess the performance and generalization capabilities of the trained model.
Inference	Utilizes the trained model to make predictions or decisions on new data.
Feedback Loop	Incorporates new data or user feedback to update and improve the model over time.
Decision Making	Processes the model's output to make decisions or take actions.
Integration	Facilitates communication between the AI system and external systems or devices.
Monitoring & Maintenance	Continuously monitors and maintains the AI system to ensure reliability.

This table provides a high-level overview of the key components involved in the architecture of artificial intelligence data.

Certainly! Here's a simplified flowchart representing the architecture of artificial intelligence data:



This flowchart provides a visual representation of the sequential flow of data and processes in the architecture of artificial intelligence.

Advantages of Artificial Intelligence

Artificial Intelligence (AI) offers numerous advantages across various fields and industries. Some of the key advantages include:

1. Automation: AI enables the automation of repetitive tasks, allowing humans to focus on more creative and strategic activities. This leads to increased efficiency and productivity.

2. Accuracy: AI systems can perform tasks with a high degree of accuracy and precision, reducing errors and improving outcomes in various domains such as healthcare, finance, and manufacturing.

3. Speed: AI algorithms can process vast amounts of data and perform complex calculations much faster than humans, enabling real-time decision-making and analysis.

4. Scalability: AI systems can scale to handle large volumes of data and tasks without significant increases in cost or effort, making them suitable for handling growing demands and workloads.

5. Personalization : AI enables personalized experiences and recommendations by analyzing individual preferences, behaviours, and historical data, enhancing customer satisfaction and engagement.

6. Decision Support : AI provides valuable insights and predictive analytics that help businesses and organizations make informed decisions and strategize more effectively.

7. Innovation : AI fosters innovation by enabling the development of new products, services, and solutions across various industries, driving technological advancements and economic growth.

8. 24/7 Availability : AI-powered systems can operate continuously without the need for breaks, leading to round-the-clock availability and support in areas such as customer service and monitoring.

9. Risk Reduction : AI can help mitigate risks by identifying patterns, anomalies, and potential threats in data, enabling proactive risk management and mitigation strategies.

10. Accessibility : AI technologies can improve accessibility for individuals with disabilities by providing assistive technologies and adaptive interfaces that cater to diverse needs and preferences.

Overall, the advantages of AI are substantial and contribute to improvements in efficiency, productivity, decision-making, innovation, and customer satisfaction across various domains

Disadvantages of Artificial Intelligence

Intelligence (AI) offers numerous benefits, there are also several disadvantages and challenges associated with its adoption and implementation. Some of the key disadvantages include:

1. High Initial Costs : Developing and implementing AI systems can be expensive, requiring significant investments in infrastructure, technology, and talent. This can pose challenges for smaller organizations or those with limited resources.

2. Complexity and Lack of Transparency : AI algorithms can be highly complex and difficult to interpret, leading to a lack of transparency in decision-making processes. This opacity can raiseconcerns about accountability, fairness, and potential biases in AI-powered systems.

3. Data Privacy and Security Risks : AI relies heavily on data, and the collection, storage, and analysis of large datasets can pose privacy and security risks. Issues such as data breaches, unauthorized access, and misuse of personal information are significant concerns in AI applications.

4. Job Displacement and Economic Disruption : Automation driven by AI technologies has the potential to displace jobs and disrupt entire industries, leading to unemployment, income inequality, and socioeconomic challenges. Workers may require retraining or reskilling to adapt to the changing labor market.

5. Ethical and Legal Implications : AI raises complex ethical and legal questions related to accountability, privacy, discrimination, and autonomy. Issues such as algorithmic bias, unintended consequences, and the ethical use of AI in decision-making contexts require careful consideration and regulation.

6. Overreliance on Technology : Dependence on AI systems can lead to overreliance on technology, reducing human autonomy, critical thinking, and decision-making capabilities. Trusting AI systems blindly without human oversight can lead to unintended consequences or errors.

7. Lack of Generalization and Robustness : AI models trained on specific datasets may struggle to generalize to new or unseen data, leading to performance degradation or inaccuracies in real-world applications. Ensuring the robustness and reliability of AI systems across diverse contexts remains a significant challenge.

8. Environmental Impact : The computational resources required to train and deploy AI models can have a substantial environmental impact, contributing to energy consumption, carbon emissions, and electronic waste generation. Green AI initiatives and energy-efficient algorithms are being developed to address these concerns.

9. Social and Cultural Disruption : AI technologies can exacerbate existing societal challenges, such as privacy concerns, job displacement, and cultural shifts. Addressing these issues requires interdisciplinary collaboration and inclusive decision-making processes.

10. Malicious Use and Cyber security Threats : AI-powered technologies can be exploited for malicious purposes, including misinformation, cyber-attacks, and surveillance. Ensuring the security and integrity of AI systems is essential to mitigate these risks and safeguard against potential threats.

Overall, while AI offers significant potential benefits, addressing the associated disadvantages and challenges requires careful consideration, responsible deployment, and ongoing research and regulation.

Features of Artificial Intelligence

Artificial Intelligence (AI) encompasses a wide range of features and capabilities that enablemachines tomimic human-like intelligence and perform various tasks. Some key features of AI include:

1. **Learning :** AI systems can learn from data, experiences, and feedback to improve performance over time. This includes techniques such as machine learning, deep learning, and reinforcement learning.

2. **Reasoning :** AI can apply logic, rules, and algorithms to make decisions, solve problems, and draw conclusions based on available information.

3. **Problem Solving :** AI systems can analyze complex problems, break them down into smaller components, and develop strategies to find solutions or optimize outcomes.

4. **Adaptability :** AI exhibits adaptability by adjusting to changing environments, tasks, or requirements, and by learning from new experiences or information.

5. **Perception :** AI technologies can perceive and interpret sensory inputs such as images, speech, text, and sensor data, enabling capabilities like computer vision, natural language processing, and speech recognition.

6. **Prediction :** AI can analyze patterns, trends, and relationships in data to make predictions about future events, behaviours, or outcomes.

7. **Automation :** AI enables the automation of repetitive tasks, processes, and workflows, reducing manual effort and improving efficiency..

8. Creativity:Some AI systems exhibit creativity by generating novel ideas, solutions, or artworks, often through techniques like generative adversarial networks (GANs) and creative AI algorithms.

9. Interaction:AI systems can interact with humans and other machines through various interfaces such as voice commands, chatbots, virtual assistants, and human-robot interaction.

10. Autonomy:AI technologies can operate independently and make decisions without human intervention in certain contexts, such as autonomous vehicles, drones, and smart home devices.

11. Explain ability:Explainable AI (XAI) techniques aim to make AI systems more transparent and understandable, enabling users to interpret and trust the decisions made by AI algorithms.

12. Context Awareness:AI systems can understand and adapt to the context in which they operate, taking into account factors such as user preferences, location, time, and environmental conditions.

These features collectively enable AI to perform a wide range of tasks across various domains, from assisting in healthcare diagnosis and optimizing business operations to powering autonomous vehicles and enhancing entertainment experiences.

FACULTY FOCUS

Publications / Conferences / FDP:



- V Karuna Kumar has participated in Faculty Development Program on AI Applications in Banking and Healthcare Industry Organized by K.J. Somaiya Institute of Technology Sion, Mumbai-Maharashtra Adhiyamaan College of Engineering. Hosur – Tamil Nadu in Collaboration with ExcelR Edtech Pvt.ltd.During 12th Dec to 18th Dec 2024.
- D.Venkata Reddy, K.V Narasimha Reddy, M.Sireesha have Pepar Titled Explainable Fatal Ultrasound Classification with CNN and MLP Models. Publication with December 2024 in Journal IEEE.
- D.Venkata Reddy, K.V Narasimha Reddy have Pepar Titled Adaptive Intrusion Detection in CAN –Based Vehicular Networks Using Transfer Learning for Evolving. Publication with December 2024 in Journal IEEE.
- SK Mohiddin Basha, Syed Rizwana have Pepar Titled Leveraging Deep Learning for Enhanced Pneumonia Detection in Chest X-Rays. Publication with December 2024 in Journal IEEE.
- DR. Rama Krishna E has Paper Titled Compact Pyramidal dense mixed attention network for Diabetic retinopathy Severity Prediction under deep learning. Publication with 1st October 2024 in Journal IEEE.
- DR.Rama Krishna E, Karuna Kumar V have Paper Titled Improving Early Detection of Diabetic Retinopathy: A Hybrid Deep Learning Model Focused on Lesion Identification. Publication with 11th January 2025 in Journal IEEE.
- DR.Rama Krishna E, M Venkata Rao have Paper Titled Optimizing the Powerhouse: Fine-Tuning CNNs for Superior Lung Disorder Detection Publication with 11th January 2025 in Journal IEEE.
- D Venkata Reddy Participated in 2nd International Conference on Signal Processing Communication. Power and Embedded Systems (Scopes). Organized by the Department of Electronics & Communication Engineering .School of Engineering& Technology. Centurion University of Technology and Management. Paralakhemundi, Odisha during December 19 -21, 2024. Another Certificate has

Participated 2nd International Conference on Generating Vehicle Manoeuvre Prediction Across Diverse Datasets held on 12th -14th December 2024 at Karpagam Academy of Higher Education, Coimbatore-641021,Tamilnadu.





- M Naga Bhavani for Successful Completion of Microsoft India & SAP India led Faculty Development Program on "MERN Stack Web Development" under TechSakham Program from "20th Jan 2025 -24th Jan 2025".



- Dr K LakshmiNadh, K V Narasimha Reddy, D Venkata Reddy have paper entiled Classification of Music Genre Using Deep Learning Approaches Publication with 26-28 Oct, 2024 in Journal IEEE.
- Dr K LakshmiNadh, K V Narasimha Reddy, D Venkata Reddy have paper entiled Ensemble –Based Transfer Learning for Multi- Class Plant Disease Detection Using VGG16, ResNet50, and Xception Models Publication with 17-18 Dec 2024 in Journal IEEE.
- Dr S V N Srinivasu T G Ramanadh Babu, D Venkata Reddy have paper entiled Hand Gesture Recognition Enhancing Accuracy and Precision with Deep Learning Publication with 22-23 NOV, 2024 in Journal IEEE.
- Syed Rizwana has paper entiled Detecting Multimodal cyber-bullying behaviour in social-media using deep learning techniques Publication with 12 December 2024 in Journal Super Computing.
- Dr K Suresh Babu, G Seranya, D Venkata Reddy have paper entiled Optimized Deep Learning for Multi-Class Retinal Disease Classification Using ResNet-101 Publication with 14-15 Nov 2024 in Journal IEEE.
- D Venkata Reddy for Successfully Completing Three credit Course Mastering Deep Learning with a Consolidated Score of 77.6% Offered by Indian Institute to Management Bangalore.





- Dr K Suresh Babu for Acting as Technical Reviewer for the 2025 Fifth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT 2025) held at Shankaracharya Technical Campus (SSTC), Bhilai Chhattisgarh, India during 09-10, January 2025. The Conference has been organized in HYBRIED MODE.
- Dr S N Tirumala Rao, D Venkata Reddy, M Suneetha have paper entitled Beyond Deep Features: Fusing Deep Learning with Local Textures for Enhanced Plant Disease Classification in publication with 22-23 NOV, 2024 in Journal IEEE.
- M Suneetha has Paper entitled Beyond Deep Features: Fusing Deep Learning with Local Textures for Enhanced Plant Disease Classification for IInd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024) Organized by Shambasva University, Kalaburagi, 22-23 November, 2024.



- S K M Basha, Rizwana S have Paper entitled Levering Deep Learning for Enhanced Pneumonia Detection in Chest X-Rays in Publication with 25 Oct 2024 in Journal IEEE.
- K Soma Sekhar has Paper entitled Optimized EDRSN: MRI Images-Based Brain Disease Classification using Deep Learning Techniques in Publication with 20 Feb 2025 in journal Mechanics in Med &Bio (JMMB).
- K V Narasimha Reddy, D Venkata Reddy have Paper entitled Brain Tumour Detection using Deep Learning Techniques in Publication with 14 Feb 2025 in journal AIP.
- S K M Basha, S Rizwana, D Venkata Reddy have Paper entitled Early Diagnosis of Lung Cancer Using Hyperparameter-tuned Machine Learning Models in Publication with 22-23 Nov 2024 in Journal IEEE.
- A Anusha has Successfully Completed Java Programming: Solving Problems with Software in Duke University Mar 3, 2025.



- SK K M Basha has Certified Oracle Fusion Cloud Applications ERP & HCM Foundations in 10 Mar, 2025.





- Y Neelima has presented a Paper Titled Deep Learning: College Enquiry Chat-bot at the 6th International Conference on Recent Advances in Information Technology (RAIT) 2025, held at the Indian Institute of Technology (Indian School of Mines), Dhanbad, India from March 6 to 8, 2025.



- M Satyam Reddy for excellent coordination in the execution implementation of the Infosys Foundation Finishing School for Employability in 24 December, 2024.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Innovation is our tradition

- 72 Faculty from NEC attended a six day Faculty Development Program on " Revolutionizing Education with Generative AI: Teaching and Learning Strategies " in association with BLACKBUCKS organisation.



- N vijay Kumar, M Suresh have paper titled Advanced Image Segmentation and Machine Learning for Accurate Skin Disease Diagnosis and Classification presented at the IInd International Conference on Computing Systems and Intelligent Applications (comSLA- 2025) organized jointly by campus of Open Learning, University of Delhi, and Shaheed Rajgaru College of Applied Sciences for Women, University of Delhi, on 28th -29th March 2025.



- M Sampath Kumar for successfully completing the Course Fundamental Algorithms: Design and Analysis on Jan-Feb 2025 NPTEL.





- M Koteswara Rao for successfully completing the Course Fundamental Algorithms: Design and Analysis on Jan-Feb 2025 NPTEL.

- M Satyam Reddy, A Anusha have paper titled Esesmble Learning with DenseNet201 for Accurate Maize Leaf Disease Classification presented at the 6th Doctoral Symposium on Computational Intelligence (DoSCI-2025) organized jointly byInstitute of Engineering and Technology Lucknow. Campus of Open Learning. University of Delhi, Shaheed Rajgaru College of Applied Sciences for Women, University of Delhi and university of Delhi and University of Calabria, Italy, on 28th-29th March 2025.





- R Sathees Kumar for successfully completing the Course Data Base Management System on Jan-Mar 2025 NPTEL.





- Dr. E Rama Krishna for successfully completing the Course Fundamental Algorithms: Design and Analysis on Jan-Feb 2025 NPTEL.

- Dr K Suresh Babu, In recognition of their outstanding research contribution to Exploiting Machine Leaning for Robust Security, Published by IGI Global Scientific publishing:@2025.With gratitude for your dedication to advancing Knowledge and scholarship.



- N Vijay Kumar has Participated in a Two-Day Awareness session on Quantum Science & Technology" organized by the Department of Computer Science and Engineering UCEK, JNTUK in association with Quantum Ecosystems Technology Council of India (QETCI) and National Quantum Mission (NQM), held on 26th and27th April 2025.



- D Venkata Reddy for Successfully Completing the Course Deep Learning for Natural Language Processing on Jan-Apr 2025 by NPTEL.





- A Anusha for Successfully Completing the Course Fundamentals of Object Oriented Programming on Jan-Apr 2025 by NPTEL.

- Dr S V N Srinivasu, M Venkata Rao have Paper entitled Automated Chest X-Ray Diagnosis with Deep Ensemble Models: A Focus on COVID-19 and Pneumonia Detection on 19-20 Dec 2024 in Journal IEEE.

- M Suresh, R SatheeshKumar have Paper entitled AI- driven biomarker discovery for early diagnosis and prognosis in oral oncology in publication with 2 -9 May 2025 in Journal ELSEVIER.

- Dr S V N Srinivasulu For Successfully Participated IP Awareness/Training Program Under National Intellectual Property Awareness Mission on April 30, 2025 Organized by Intellectual property Office, India.



- N Vijay Kumar Sampath Kumar have Participated in the Foreign Guest Lecture on "AI and Machine Learning: Application to Engineering:, organised by School of Computer Science and Engineering, VIT-AP university, Amaravathi on 25th April 2025.





DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Innovation is our tradition

P Gayatri for Successfully Completing the Course Introduction to Internet Things on Jan-Apr 2025 by NPTEL.





S V N Srinivasulu, R Sateesh Kumar, K V Narasimha Reddy, Y Chinana, Ch Rajani, G Seranya, M Koteswara Rao, Y Nileema, M Lavanya, N Vijay Kumar, P Krishna Sunil, SK Rafi, Syed Rizwana, P Gayathri,T Sai Seranya have Participating in the Outcome-Based Education (OBE) Training Programme at Narasaraopeta Engineering College, Jointly Organized by the Directorate of Admissions and Teaching Learning Centre, SRM University AP, Amaravathi (Outreach Activity) on May 09, 2025.

Dr S Naga Thirumalai Rao, Dr S V N Srinivasulu, Dr M Sireesha, Dr K LakshmiNadh, Dr E Rama Krishna, Dr R Sateesh Kumar, Dr S Siva Nageswara Rao, Dr K Suresh Babu, Dr K Somasekher, K V Narasimha Reddy, D Venkata Reddy, M Sathyam Reddy, M Suneetha, Y Chandana, Syed Rizwana, M Koteswara Rao, CH Rajani, G Seranya, M Mounika naga Bhavani, Y Neelima, T Seranya, P Gayathri, M Suresh, T G Ramnadh Babu, SK M Basha, N Vijay Kumar, A Ramesh, G Ramana Reddy, A Ramesh, M Lavanya, M Venkata Rao, M Sampath Kumar, A Anusha have Successfully Completed the online FDP on ReactJS Concepts on 12/05/2025 to 17/05/2025. Organized by SkillDzire in collaboration with AICTE.



Dr S Naga Thirumalai Rao, Dr S V N Srinivasulu, Dr M Sireesha, Dr K LakshmiNadh, Dr E Rama Krishna, Dr R Sateesh Kumar, Dr S Siva Nageswara Rao, Dr K Suresh Babu, Dr K Somasekher, K V Narasimha Reddy, D Venkata Reddy, M Sathyam Reddy, M Suneetha, Y Chandana, Syed Rizwana, M Koteswara Rao, CH Rajani, G Seranya, M Mounika naga Bhavani, Y Neelima, T Seranya, P Gayathri, M Suresh, T G Ramnadh Babu, SK M Basha, N Vijay Kumar, A Ramesh, G Ramana Reddy, A Ramesh, M Lavanya, M Venkata Rao, M Sampath Kumar, A Anusha have Successfully Completed the online FDP on ReactJS Concepts on 12/05/2025 to 17/05/2025. Organized by SkillDzire in collaboration with AICTE.



Dr S V N TirumalaRao for Successfully Completing the Course Social Networks on Jan-Apr 2025 by NPTEL.

Dr K Suresh Babu has certificate of acceptance for the manuscript (engproc:3479962): titled : A novel approach for classifying gliomas from magnatic resonance images using image decomposition and texture analysis Authored by K Suresh Babu: Benjmin Jashva Muniget: Krishna Santosh Naidana: Sesikala Bapatla was Accepted in Eng. Proc. (ISSN 2673-4591) on 27 May 2025.



DEPARTMENTAL ACTIVITIES:
Workshops/ Seminars / Industrial visits/ Webinars:

ALL III Year CSE Students Conducted on 02-01- 2025 ByteXL Grand Test.





15th NATIONAL VOTERS' Day: awareness program on voting

All IIIrd year Students Participated in React JS project Review.



JUBILATION-2K25, is a National Level Technical, Cultural, Magix, Sports and NCC Fest conducted on 10th and 11th February, 2025. 400 Students from various colleges attended to this event. As part of JUBILATION-2K25, six Events were conducted are Technical Slide View, Compile Clash, Web Canvas, Mind Sprint, Tech Trove Hunt and Data Visionary Challengce. In each event students awarded first, second and third



FAREWEL DAY-2025 Conducted on 24-02-2025.All III-B. Tech and IV-B.Tech Students.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Innovation is our tradition

- A One Week Innovative Workshop ON AMAZON WEB SERVICES (AWS) During 03rd -08th March, 2025. In Association with APPSSDC Organized by IQAC& DEPT.OF Computer Science & Engineering. All III B-Tech Students are participated in the Workshop.





- A One Week Hands on Workshop ON DEEP LEARNING AND LLMS FOR SUSTAINABLE DEVELOPMENT During 03rd -06th March, 2025. In Association with APPSSDC Organized by IQAC& DEPT.OF Computer Science & Engineering. CSE-C (III B-tech) Section All Students are participated in the Workshop.



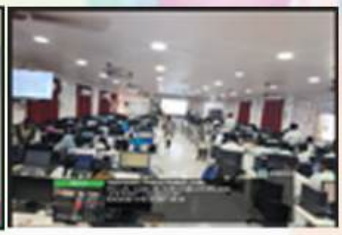


- International Women's Day on March 8th, 2025 was celebrated at our Campus.




- A one week Hands on work shop on Project Based Learning on ML, DL & NLP During 12th to 18th March, 2025. Organized by IQAC& Dept. of Computer Science & Engineering.





- The Peer-to-Peer Learning React Project Expo was organized by Department of CSE, with Participation from all IIIrd Year Students.





- Technology Transformation Session by Guest Speaker i.e. Mr.Kiran, HR Head, Symmetra Solutions.




Seminar on Career Counselling Resource Person: VenuGopal Garu from USA...Venue: Block-3 Seminar Hall.




- Awareness Program conducted by Final year Placed students to I-B. Tech Students on Placements preparation and present placements scenario on 11-04-2025.








Parent-Teacher Meeting was conducted on 12-04-2025 as part of II-Semester Academics.

Addressing 1st Year Students Regarding Our Resources or Facilities in the Campus as well in the Department.





Orientation Program for Summer CRT Training Students by Data Valley on 17th April 25th .

Awareness session on Quantum Science and Technology by JNTUK on 26-04-24 to 27-04-25.







Narasararaopet Engineering College Awards Rs. 11.25 Lakhs in Research Scholarship to 100 student Innovators. Narasaraopeta Engineering college is proud to announce that 100 final –year students from the Computer Science and Engineering (CSE) and information technology (IT) departments have been awarded research Scholarships totalling Rs. 11.25 Lakhs. These Scholarships were granted in recognition of their outstanding research papers published in reputed international journals.

- Summer Training Schedule for IIIrd B Tech Students Cream Batch & General Batch.

  Cream Batch: 6-Week Training program Start Date 21st April 2025, End Date: 31st May 2025.



- General Batch: 2-Week Training program Start Date 21st April 2025, End Date: 3rd May 2025.




- A One Day Faculty Development Programme on OUTCOME- BASED EDUCATION. Resource Persons: Dr Hemantha Kumar Kalluri (CSE), Dr Rajiv Senapati (CSE), D Durga Prakash M(ECE), Dr Somesh Vinayak Tewari (EEE), Dr Amit Kumar Mandal (CSE), Dr RamaKrishnan Maharajan (ECE) , SRM University, A.P on 9th May,2025 Organized by Department of CSE , CSE(AIML) CSE(CS),CSE(DS), CSE(AI), IT& IQAC.





- A one week Faculty Development Program on React JS Concepts on 13th to 17th May, 2025. Resource Person T Sai Surya Narayan (Associate Consultant, Skill Dzire), Organized by Department of IQAC, IT, CSE, CSE (AIML), CSE (DS) & CSE (CS).





- Narasaraopeta Engineering College Presents its Grand Educational Expo M Convention, Tirupati 17th &18th May 9:00AM- 6:00 PM Explore innovative Program.




STUDENT ACHIEVEMENTS:

- Y.Sowmya - 21471A05E0, Y.Madhavi-21471A05D9, SK.Chand Asmi-21471A05B9 have paper Titled Explainable Fetal Ultrasound Classification with CNN and MLP Models. Publication with December 2024 in Journal IEEE.

  SK.Ijaz Ahamad-21471A0557, S.V S Girish-21471A0558, T. Nagendra Babu-21471A0537 have paper Titled Adaptive Intrusion Detection in CAN –Based Vehicular Networks Using Transfer Learning for Evolving. Publication with December 2024 in Journal IEEE.

- P.S S Varsha-21471A0546, S.S Latha-21471A0551, V.Sireesha-21471A0567 have paper entitled Leveraging Deep Learning for Enhanced Pneumonia Detection in Chest X-Rays. Publication with December 2024 in Journal IEEE

- Y Gnaneswar Reddy (21471A05P6) , K Divya Prakash (22475A0509), B Sudeer (22475A0510) have paper entitled Improving Early Detection of Diabetic Retinopathy: A Hybrid Deep Learning Model Focused on Lesion Identification. Publication with 11th January 2025 in Journal IEEE.

- P Thanuja (21471A0502), V Lavanya (21471A05P5), M Mishanga (21471A05N9) have paper entitled Optimizing the Powerhouse: Fine-Tuning CNNs for Superior Lung Disorder Detection. Publication with 11th January 2025 in Journal IEEE.

- NCC Cadets from Our Narasaraopeta Engineering College have been selected on behalf of the Indian Red cross Palnadu district (Service Category) for the State Level Republic Day Parade organized by the Government of Andhra Pradesh on 26th January 2025. Selected Cadets K. Harshavardhan - IV B tech CSE, K. Rajesh - IV B tech CSE.



- NCC Students participated in the All India Girls (SW) Trek-III camp under the auspices of NCC Group HQ-Guntur Group. This month of 16th to 23rd, 18 cadets from 05-COY NCC.





- NEC College NCC Cadets bagged the First Position in Group Dance and Video Presentation in Cultural Competitions held at the All India Girls (SW) AP Trek-III Camp in Guntur.




Inter-College NCC Competitions will be organized as part of JUBILATION-2K25 in our college on 3rd February with the permission of Andhra Pradesh and Telangana NCC Directorate. The poster of this competition was released by the Chairman of NEC Group of Institutions Mr Mittapalli Venkata Koteswara Rao sir. And He said that cadets from 5 districts will participate in Squad Drill, Guard of Honour, Obstacle Run, Tug of War and Group Dance competitions. Principal of the college Dr. S. Venkateshwarlu garu, Vice Principal Dr. D Sunil garu and cadets participated in the poster release programme.




సాక్షి
3వ ఎన్‌సీసీ క్యాడెట్లకు పోటీలు

- We have invited the Joint Collector of Palnadu District Sri Suraj Ganore, IAS to attend the prize distribution ceremony of Inter College NCC Competitions on 3rd February as Chief Guest. He said that he will definitely attend. And about the college NCC, about the achievements of the cadets were also specifically asked.



- UDYOMOSTAV-2025 Conducted on 16th January, 2025 was hosted at 14 locations across India, including Ahmedabad, Delhi-NCR, Jaipur, Bangalore, Hyderabad, Pune, Chennai, Srinagar, Coimbatore, Nagpur, Lucknow, Chandigarh, Trivandrum, and Guwahati, where selected startups will be invited to attend 33 Students from CSE participated in this event. In 410 teams are shortlisted through the India applied start-ups. Out of 410 selected 9 teams are Narasaraopeta Engineering College start-ups. 9 teams are participated in different locations like Hyderabad, Bangalore. 7 teams are in CSE Department.



- NCC Fest @ NEC College as a Part of JUBILATION-2K25 (Inter-College NCC Competitions) the NCC competitions of the inter -colleges set up at NEC College yesterday with the support & cooperation of 23(A) Bn NCC Unit, Chirala ended. The event was attended by Joint Collector of Palnadu District Shri Suraj Ganore, Mittapalli Venkata Koteshwara Rao, Chairman of NEC Group, Shri Mittapalli Ramesh Babu Garu, Secretary & Correspondent of NEC College, 23(A) Battalion Training JCO Saboor ji, Battalion Hawaldar Major P. Ramesh, Principal Dr. S. Venkateswarlu, Vice Principal Dr. D. Sunil and other colleges NCC officials and cadets participated. Interaction with The Honourable Chairman Sir Speech by The Guests Classical Bit by the Cadet of 10(A) Girls Bn. Squad Drill Competition Guard of Honour Competition Group Dance Competition Tug of War Competition Felicitation for Guests & Officials Media Coverage reg. NCC Inter College Competitions.



- Jubilation 2K25 poster Released





- J.Surya Teja (22471A05M6) & K. Chaitanya (22471A0507), Third B.Tech students in the Computer Science and Engineering Department. Under the guidance of Mr. Rafi, Faculty of Computer Science, both of them successfully developed a user-friendly Student Feedback Collection Tool.



- K.Santhosh Kumar (21471A05G6), T Babu (21471A05E4), M Venkata Thirumala (21471A05H5) have paper entitled Optimized Deep Learning for Multi-Class Retinal Disease Classification Using ResNet-101. Publication with14-15 Nov 2024 in Journal IEEE

- K Srinivasa Kalyan Ram (21471A0561), T V Aravind (21471A0578), Sk H Khaja Mohiddin (21471A0554) have paper entitled Hand Gesture Recognition Enhancing Accuracy and Precision with Deep Learning.Publication with 22-23 NOV, 2024 in Journal IEEE

- T Harshitha (21471A0563), Y Sandhya (21471A0569) have paper entitled Beyond Deep Features: Fusing Deep Learning with Local Textures for Enhanced Plant Disease Classification. Publication with 22-23 NOV, 2024 in Journal IEEE

- G ManiKanta (21471A05Q1), G Sasank Chandra (21471A05M6), B V S Durga Naik (21471A05P4) have paper entitled Early Diagnosis of Lung Cancer Using Hyper parameter-tuned Machine Learning Models. Publication with 22-23 NOV, 2024 in Journal IEEE.

- M Venu (22471A0537)B.tech III CSE-A for Participation in the Cricket and Cricket Championship and Securing the 1st Position in the Sports Fiesta Vitopia 2025 organized by VIT-AP University from 11th Feb to 24th Feb 2025. Another Participated has represented the College Cricket Team in The JNTUK Central Zone Cricket (men) Inter Collegiate Tournament Cum Selection trials held at Velagapudi Ramakrishna Siddhartha Engineering College (Deemed to be University), Vijayawada from 16th -26th December 2024



- T Bhuvanesh Roll No 21471A05K4, IV B Tech- CSE-C,

  K Johnavi Sai Priya Roll No 21471A0591,

  IV B Tech- CSE-B , We Congratulate 2025 Placements Pre Placement Offer (PPO) 11 LPA 30k Stipend during Internship Company Juspay.



- Narasaraopet Engineering College Awards Rs. 11.25 Lakhs in Research Scholarship to 100 student Innovators.Narasaraopet Engineering college is proud to announce that 100 final –year students from the Computer Science and Engineering (CSE) and information technology (IT) departments have been awarded research Scholarships totalling Rs. 11.25 Lakhs. These Scholarships were granted in recognition of their outstanding research papers published in reputed international journals.









- SK Hafija (21471A05C0), K Navya (21471A0592), G Gayathri (21471A05F1), S Madhavi (21471A05D0) have Paper entitled Automated Chest X-Ray Diagnosis with Deep Ensemble Models: A Focus on COVID-19 and Pneumonia Detection. Publication with19-20 Dec 2024 in Journal IEEE.

Alumni Voice:



DULLA TEJA CHARAN
21471A0585
Application Engineer
IDFC First Bank

Being an alumnus of the college, Narasaraopeta Engineering College, I consider myself fortunate to reflect on all that happened during my time, especially the transformative education I acquired and the invaluable experience that I gained. Evolving constantly, the institution remains ahead in academic excellence as well as innovation.The faculty here is not only knowledgeable but also genuinely committed to the growth of the students and encourages an environment to foster success. Modern campus infrastructure upgrade features state-of-the-art labs, digital libraries, and advanced research areas that encourage innovation and exploration.The hallmark of the college is that it bridges academia and industry. With programs such as collaborative projects, hands-on workshops, internships, and industry-driven programs, I gained both a good theoretical foundation and practical skills to solve real-world challenges.

Student Voice:

Narasaraopeta Engineering College has always inspired me with its commitment to excellence in academics, innovation, and holistic development. The institution provides state-of-the-art infrastructure with advanced laboratories, digital classrooms, and a resource-rich library that create an ideal learning environment. The highly experienced and supportive faculty not only impart strong technical knowledge but also encourage innovation, critical thinking, and practical application of concepts. Along with academics, the college organizes workshops, seminars, technical fests, and cultural activities that help students discover their potential and build leadership, communication, and problem-solving skills. With its emphasis on both knowledge and character building, the college has played a vital role in shaping me into a confident, skilled, and industry-ready professional, and I take immense pride in being part of this prestigious institution.



THRISONY.G
(22471A0590)
IV YEAR CSE

Vision

To emerge as a Centre of excellence in technical education with a blend of effective student centric teaching learning practices as well as research for the transformation of lives and community

Mission

Provide the best class infrastructure to explore the field of engineering and research.

Build a passionate and a determined team of faculty with student centric teaching, imbibing experiential and innovative skills.

Imbibe lifelong learning skills, entrepreneurial skills and ethical values in students for addressing societal problems.

NEW TRENDS IN TECHNOLOGY:

NEUROMORPHIC COMPUTING:

Neuromorphic computing is a computing paradigm that emulates the architecture and functioning of the human brain to create energy-efficient and adaptive computing systems. It combines neuroscience, computer science, and electrical engineering to build hardware and algorithms inspired by biological neurons and synapses.

1 Biological Inspiration:

- The brain consists of billions of neurons connected by synapses.
- Neurons communicate via electrical spikes.
- This system is highly parallel, adaptive, and energy-efficient.

2 Spiking Neural Networks (SNNs):

- Neuromorphic systems use SNNs, where neurons fire only when a threshold is crossed.
- Unlike traditional ANNs, SNNs operate in event-driven fashion (not continuous).
- This leads to faster and more power-efficient computation.

3 Neuromorphic Hardware:

- Specialized chips simulate the brain's neuron and synapse behavior.
- Key examples: Intel Loihi, IBM TrueNorth, BrainChip Akida

FACULTY FOCUS:

Dr. Jhansi Vazram Bolla was awarded a participation certificate on Science, Technology and Innovation for Sustainable Development.





2. M. Ravindra Babu was awarded a Paper in the International Conference on AI and ML for sustainable development organised at Malla Reddy Engineering college, Hyderabad, held on 21&22 February,2025

3. Kamnhampati sireesha was awarded a Paper in the International Conference on AI and ML for sustainable development organised at Malla Reddy Engineering college, Hyderabad, held on 21&22 February, 2025



4. patchava vijaya Lakshmi for participating in the outcome-based education(OBE) at SRM University Ap, Amaravathi on may 09,2025.





5. pendem Santhi successful completion of one week FDP on "OBE & NEP 2020" during 10-june-2025 to 14-june-2025. VIT-AP University-Amaravathi



6. pendem Santhi successful completion of NPTEL Certificate on "Introduction To Industry 4.0 And Industrial Internet Of Things"



7. T V MANOHAR SUCCESFULLY COMPLETION A ONE-WEEK FDP ON "REACT JS CONCEPTS" ORGANIZED BY SKILLDZIRE in collaboration with AICTE



8. T V MANOHAR successful completion of NPTEL Certificate on "OS FUNDAMENTALS"



9. N B S VIJAY KUMAR successful completion of NPTEL Certificate on "RESEARCH METHODOLOGY"



10. G NAGENDRAM successful completion of NPTEL Certificate on "INTRODUCTION TO IOT"

DEPARTMENTAL ACTIVITIES:



Major Project Reviewl was conducted for IV B.TECH IT&CSE (AI) Students.

IT Department Was Successfully Submitted Pre Qualifier off NBA and Approved On 27/1/25

IT&CSE(AI) Department students embarked on an invitation drive, visiting other colleges to invite the Faculty to Jubilation-2025 at NEC College, Narasaraopet.



IT&CSE(AI) Department students embarked on an invitation drive, visiting other colleges to invite the students to Jubilation-2025 at NEC College, Narasaraopet.





As part of Jubilation-2025, The IT and CSE departments at Narasaraopet Engineering College hosted the Tech Trove Hunt event on February 10, 2025.

A workshop on "Think ML: Learn, Build, Innovate" was held for II B. Tech CSE(AI) students, organized by the Department of IT & CSE(AI), from February 14 to 19, 2025





International Women's Day was conducted on 8/3/25 by NEC college, Narasaraopet.



Women's Day celebrations saw impressive wins from our department

Y. Rajya Lakshmi (III IT) topped Chess, followed by M. Meghana (III IT) in 2nd place. Ch. Pujitha (III IT) won Consolation-1 in Essay Writing, while Sd. Nazma (II IT) took the top spot in Short Film.

INDUSTRIAL VISITS:

MOUs:

S.No.	Dept. Name	Mou Signed with (Name & address of the organization)	Nature of MoU /Activity	Period of validity
1	IT	NEC – BLACKBUCKS	Virtual Programing Labs	Jan - 25

STUDENT FOCUS:

A One day Program on Awareness on Abroad Education had conducted for III BTECH II SEM OF IT & AI Students on 04-01-2023





Project Zeroth Review had conducted for IV BTECH II SEM OF IT Students on 04-01-2023

II & III BTECH II SEM OF IT& AI Students were participated in voting election of CSI Membership of Nominal Roles on 24-01-2023.





Our College Training Team had conducted an Interaction with 3rd year II Sem of IT students for discussion about Guiding and Motivations for how to use Bytexl Training on 10-03-2023.

Our College Training Team had conducted an Interaction with 3rd year II Sem of AI students for discussion about Guiding and Motivations for how to use Bytexl Training on 10-03-2023.





Department had Conducted an Awareness Program on Abroad Education on 28th March 2023.

Training Team had conducted an PIVOX labs drive for III BTECH II SEM of IT & AI on 01-04-2023.



Training Team had conducted an PIVOX labs drive for IV BTECH II SEM of IT &AI on 01-04-2023.

TRAINING PROGRAMS :

S.no	Dept.	Year	Training	Duration
1	IT&AI	IV	Infosys Specific Training	06/01/2025 to 11/01/2025
2	IT&AI	IV	Infosys Technical and HR Mock Interviews	20/01/2025 to 25/01/2025
3	IT&AI	III	Bytexl CRT Assessments	13/01/2025 to 20/01/2025
4	IT&AI	IV	COGNIZANT Technical/HR Specific Training & Mock Interviews	21/02/2025 to 08/03/2025
5	IT&AI	II	Bytexl CRT Assessments	2/03/2025 to 3/03/2025
6	IT&AI	IV	TCS Specific Online Training	03/03/2025 to 07/03/2025

STUDENT CERTIFICATIONS/ PARTICIPATIONS IN WORKSHOPS / CONFERENCES/NSS PROGRAMS:



III B. Tech Student won the II Prize in Traditional Yogasana at Udgam Event , SRM University on 27/2/25.

II B. Tech Students got II Prize in Short Story Competition at Nirulothsav, Vignan University on 22/3/25.





III B. Tech Students got II Prize in Yogasana Competition at Nirulothsav, Vignan University on 22/2/25.



Sd. Nazma from II B tech IT 2nd prize in the category of short film at MAM college fest on 14th March 2025.

CO CIRCULAR ACTIVITIES (SPORTS):

S.no	Dept	Year	Event	Prize
1	AI	3rd	Web Crawler Event	Winners

NSS ACTIVITIES:

CAMPUS PLACEMENTS:

31 students of IT are got selected in various companies and it's listed below.

S.No	ROLL NO	NAME	COMPANY
1	21471A1212	N V S R SAHITHI CHITTURI	SAVANTIS
2	21471A1217	SUKANYA DUDDELA	SAVANTIS
3	21471A1218	SRIVIDYA GANTHI	SAVANTIS
4	21471A1230	NAGA SRI VENKATA MANI NIKITHA KOLLA	SAVANTIS
5	21471A1262	JYOTHIKA DEVI VITHANALA	SAVANTIS
6	21471A1203	Balaji Annapareddy	QSPIDERS
7	21471A1217	Sukanya Duddela	QSPIDERS
8	21471A1221	Nanitha Guttula	QSPIDERS
9	21471A1226	Kandipati Venkata Sarojini	QSPIDERS
10	21471A1230	Kolla Naga Sri Venkata Mani Nikitha	QSPIDERS
11	21471A1231	Haripavan Kota	QSPIDERS
12	21471A1233	Gogisetti Likhitha	QSPIDERS
13	21471A1259	Thalathoti David Kumari	QSPIDERS
14	21471A1262	Jyothika Devi Vithanala	SUTHERLAND GLOBAL
15	21471A1217	Sukanya Duddela	PLUGINLIVE
16	21471A1220	Prasanna Gonuguntla	PLUGINLIVE
17	21471A1247	Potturi Jyothirmai	PLUGINLIVE
18	21471A1230	Naga Sri Venkata Mani Nikitha Kolla	DELOITTE
19	21471A1212	Chitturi N V S R Sahithi	COGNIZANT
20	21471A1217	Duddela Sukanya	COGNIZANT
21	21471A1247	JYOTHIRMAI POTTURI	ALLDIGI TECH LTD
22	21471A1252	JAHNAVI BHAVYA SHAIK	ALLDIGI TECH LTD
23	21471A1244	NEELIMA NELAPATI	ALLDIGI TECH LTD
24	21471A1213	DASARI N V CHANDRA SEKHAR	CONQUER E-LEARNING
25	21471A1241	SUMANTH NALAMALA	CONQUER E-LEARNING
26	21471A1237	Habimunnisa Minnekallu Shaik	EDU VARSITY
27	21471A1203	Balaji Annapareddy	cognizant-phase2
28	21471A1204	Venkata Naga Sai Raghavendra Banda	cognizant-phase2
29	21471A1231	Venkata Hari Pavan Kota	cognizant-phase2
30	21471A1247	Potturi Jyothirmai	cognizant-phase2
31	21471A1262	Vithanala Jyothika Devi	cognizant-phase2

ACADEMIC TOPPERS

The following students are toppers in the end examinations in their respective classes







DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AIML)



"Attitude Amplified, Faults Rectified"

Vision

- To empower students to become AI and ML professionals, driving industry innovation and positively impacting society through cutting-edge technologies.

Mission

- To establish a solid foundation in Artificial Intelligence and Machine Learning and effectively address real-world challenges.
- To develop resilient professionals by encouraging them to create applications for industry innovation.
- To cultivate a research-oriented mindset in students, encouraging them to create applications that have practical value and make a positive impact on society.

STUDENT STRENGTH PARTICULARS

2022 Batch (Regular) - 55

2023 Batch (Lateral Entry) - 7

FACULTY FOCUS
INTERNATIONAL JOURNALS:

- Dr.V.V.A.S.Lakshmi, Dr. R. Satya, D. Murali Krishna Reddy, "An energy efficient master auditor node with trust based secure routing in wireless sensor networks", International Journal of Safety and Security Engineering. Vol. 13, No. 6, December, 2023, pp. 1099-1108. Journal homepage: http://iieta.org/journals/ijsse.

FDPS ATTENDED FACULTY ACHIEVEMENT:

- G. Jeevana Manikata for successfully completing the course Programming Fundamentals using Python - Part I on December 13, 2024.
- G. Jeevana Manikata for successfully completing the course Programming Fundamentals using Python - Part II on December 19, 2024.
- G.V.Neelimadhavi for successfully completing the course Programming Fundamentals using Python - Part I on December 14, 2024.
- P. Mallika Assistant Professor, NEC, has attended the Faculty Development Programme on "AI Tools and Techniques for Research" organized by the Department of Business Administration & IQAC, Andhra Loyola College, from 9th to 13th December, 2024.
- P. Mallika & J. Syam Babu has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 09-12-2024 to 13-12-2024.
- Dr. V.V.A.S.Lakshmi, P. SrinivasaRao, M. Sai Yaswanth, P.V.Sateesh Kumar, G. Mahesh Babu and G. Jeevana Manikanta Assistant Professor of NEC has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Revolutionizing Learning Hands on with Generative AI AND LLMS at SVR Engineering College from 09/12/2024 to 14/12/2024.
- P. SrinivasaRao Assistant Professor of NEC has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Cutting-Edge Insights into Artificial Intelligence and Its Applications at EASWARI ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.
- G.V.Neeli Madhavi, J. Syam Babu, P. Mallika, M. Revathi & K. Mounika has Participated in Faculty Development Program on AI Applications in Banking and Healthcare Industry organized by K.J. Somaiya Institute of Technology Sion, Mumbai - Maharashtra KLE
- Technological University in Collaboration with ExcelR Edtech Pvt. Ltd. from 12th Dec to 18th Dec 2024.
- K. Mounika for successfully completing the course Design Thinking on 25th Jan 2025.
- Mr. Jonnalagadda Syambabu, Assistant Professor of Narasaraopeta Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AWS Cloud Computing - Tools And Services At Aditya College Of Engineering from 19/01/2025 to 24/01/2025.
- M. Revathi has participated in FDP on AI Applications in Banking and Healthcare Industry organized by KLE Technological University in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Dec to 18th Dec 2024.
- AICTE Training and Learning (ATAL) Academy certified that Mr. P Venkata Sateesh Kumar, Faculty members of the AICTE approved institutions of Narasaraopeta Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AWS Cloud Computing - Tools And Services At Aditya College Of Engineering From 19/01/2025 To 24/01/2025.
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- Dr. V.V.A.S.Lakshmi has presented the Research Paper Titled Rainfall Prediction Using Machine Learning at the 2nd International Conference on recent trends in Microelectronics, Automation, Computing and Communication Systems Hosted by has presented the Research Paper Titled Circuits and Computing Branches of VNR Vignana Jyothi Institute of Engineering &Technology in association with IEEE Hyderabad Section on 19th Dec to 21 Dec, 2024.
- A. Veemarao Faculty member of the AICTE Approved Institutions of NEC has successfully participated & completed AICTE Training and learning (ATAL) Academy FDP on Empowering Healthcare with AI: Advances, Applications and Future Directions at Rajyalakshmi Institute of Technology from 27th Jan to 1st Feb 2025.
- 3. A. Veema Rao, P.V.Sateesh Kumar & J. Syam Babu has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 27th Jan to 31st Jan 2025.
- 4. J. Syambabu, Y. Mary Rani, G.V.Neelimadhavi, P. Mallika, G. Mahesh Babu, N. Siva Rama Krishna, M. Revathi & K. Mounika has Participated in FDP on Gen AI & Chat GPT Application in the Industry Organized by the Department of MBA & Research Centre, SJC Institute of Technology in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 27th Jan to 31st Jan 2025.
- G. Nageswara Rao, J. Syam Babu Faculty members of the AICTE approved institutions of Narasaraopet Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Empowering Educators: Advancements in Artificial Intelligence and Its Applications in Computer Science at SRI MITTAPALLI COLLEGE OF ENGINEERING from 10/02/2025 to 15/02/2025.

- M. Sai Yaswanth has successfully participated in the National Conference organized by Tech Mindsparc Innovations (Approved by AICTE) on 16th Feb 2025.
- G. Nageswara Rao Faculty members of the AICTE approved institutions of Narasaraopet Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Empowering Educators: Advancements in Artificial Intelligence and Its Applications in Computer Science at National Institute of Technology Nagaland from 17/02/2025 to 22/02/2025.
- P. Mallika, G.V.Neelimadhavi, K. Mounika & Ch. Padma has Participated in Faculty Development Program on Cyber Security Organized by the Department of MBA & Research Centre, Sapthagiri NPS University, Bangalore in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 14th Feb to 20th Feb 2025.
- J. Syam Babu & Ch. Padma has Participated in Faculty Development Program on Blockchain & Web3 Organized by the Department of CSE & CSE (Data Science), Sri Siddhartha Institute of Technology, SSAHE, Karnataka in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 10th March to 17th March 2025.
- Dr. V.V.A.S Lakshmi Prof, Dept of CSE-AIML,CS,DS (NEC) for completing the 6-day FDP 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(AIML), CSE(DS), CSE(CS), MCA & ECE at NEC in Collaborating with Blackbucks Group.
- G. Mahesh Babu, P. Srinivasarao, P.V.Sateesh Kumar, G. Nageswara Rao, G. Jeevana Manikata, D. Sreekanth, J. Syam Babu, N. Siva Rama Krishna, P. Mallika, M. Revathi, G.V.Neeli Madhavi, A. Veema Rao, M. Sai Yaswanth, S. Mariya Dasu & Ch. Padma Ass.Prof, Dept of CSE-AIML,CS,DS (NEC) for completing the 6-day FDP 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(AIML), CSE(DS), CSE(CS), MCA & ECE at NEC in Collaborating with Blackbucks Group.
- Inaugural Session at JNTUK for the Awareness Program on "Quantum Science and Technology" on 26-04-2025 & 27-04-2025.
- Dr. V.V.A.S. Lakshmi from NEC for Presenting Paper on Smart Healthcare: AI-Based Virtual Health Assistant and Medicine Reminder at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.
- N. Siva Rama Krishna from NEC for Detecting Insider Threats with an Enhanced Test Time Training Approach at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.
- D. Uma Sankar from NEC for Presenting Paper on Cloud Based Spam Identification Through Intelligent Text Filtering at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.
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- G. Jeevana Manikanta from NEC for Presenting Paper on Machine Learning -Based Network Vulnerability Analysis of Industrial Internet of Things at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.
- P.V. Sateesh Kumar from NEC for Presenting Paper on ML for Forecasting Climate Change Impacts on Biodiversity at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.
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- P. Mallika from NEC for Presenting Paper on A Comprehensive study of Deep learning techniques in Autonomous Obstacle detection systems at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.
- A. Veema Rao from NEC for Presenting Paper on Artificial Intelligence for reinventing Public Transportation (PT) at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.



WEBINARS, WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

III AIML one week workshop on UI-UX Design from 9th Dec to 14th Dec 2024.



III AIML students are hereby informed that our department will be conducting Hackathon on "Website Building" on 16th Dec 2024.



III AIML students are hereby informed that our department will be conducting Hackathon on "Website Building" on 16th Dec 2024.



All the II Year II Semester students are hereby informed that our TechnoElite Student Club is going to organize a Seminar on "GIT HUB," on 01-02-2025.



M. Sai Srija, a student of CSE (AIML), III Year at Narasaraopeta Engineering College (Autonomous), Yellamanda, Narasaraopet, Palnadu (Dist), Andhra Pradesh- 522601 is currently studying in our institute. We hereby give permission to her and her team P. Sadhik, S. V. Koteswarao, M. Hasini, J. Aamuktha & Mentor: N. Siva Rama Krishna to participate in the IDE Bootcamp Edition 2 Phase II, scheduled to be held from 17th February to 21st February 2025.



All the III Year II Semester students are hereby informed that TechnoElite and our department is going to organize a two day workshop on 'Generative AI Bootcamp' during 6th – 7th March 2025 in collaboration with SRM University, A.P., and Resource Person: Dr. Satya Krishna Nunna, Professor, Department of CSE, SRM University, A.P.



All the II Year Students are hereby informed that our department and IIC are going to organize a one-day Seminar Program on "Entrepreneurship and Startups" 29th March, 2025.



II Year II Sem CSE (AIML)-B Class Review Committee (CRC) was conducted on 03-04-2025.



II Year II Sem CSE (AIML)-C Class Review Committee (CRC) was conducted on 04-04-2025.



II Year II Sem CSE (AIML)-A Class Review Committee (CRC) was conducted on 05-04-2025.



II-II AIML & CSE (CS) students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'AWS (Amazon Web Services) Cloud Computing' during 01st – 05th April, 2025 in collaboration with Viksha Tech Solutions (OPC) Pvt. Ltd.



II-II CSE (AIML)-A & CSE (CS) students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'AWS (Amazon Web Services) Cloud Computing' during 07th – 12th April, 2025 in collaboration with Viksha Tech Solutions (OPC) Pvt. Ltd.



All the students of II B.Tech. CSE (AIML), CSE (CS), CSE (DS) & AIML that we are going to conduct Parent's Meet on 12-04-2025.



All the II Year II Semester students are hereby informed that our department and TechnoElite Club, is going to hoist a guest lecture on "Impact of Microsoft 365 on Daily Job Life" April 12th, 2025.



All the II Year Students are hereby informed that our department and TechnoElite Club, is going to hoist a guest lecture on "Transition from Community Service to Entrepreneurship" April 17th, 2025.



All the II Year CSE (AIML), CSE (CS), CSE (DS), AIML students are hereby informed that our department and TechnoElite Club, is going to conduct a Hack-a-thon on "High Availability, Low Cost: AWS App Challenge Hackathon" on April 22nd, 2025.



STUDENT FOCUS NPTEL Course Details

Student Details	Title	Course Duration	No. of Students Completed
II-II	The Joy of Computing Python	12 weeks Program	30
III-I	Introduction To Internet Of Things	12 weeks Program	15

EXTRA CIRRCULAR ACTIVITIES

STUDENT ACHIEVEMENTS:-





SANKRANTHI SAMBARALU

On the occasion of Sankranthi Sambaralu the following competitions will be conducted for students on 0701-2025.

1. Painting 2. Rangoli 3. 3D Art Rangoli
4. Traditional Dress competitions for Girls
5. Bhogi Mantalu 6. Pongal Photos



The college is celebrating 76th Republic Day on 26th Jan 2025 in our college.



JUBILATION CELEBRATIONS-2K25

Jubilation Celebrations & a National Level Student Tech Fest in our collage.





DATA VISIONARY CHALLENGE



REGISTRATION DESK

STAFF CRICKET RUNNERS



Womens Day Celebrating in our college on 08-03-2025.

STUDENT'S VOICE:

As a third year student. I would like to share my experience in Narasaraopeta Engineering College. Till now I had completed two semesters & participated so many competitions in & out of the campus, to improve my skills.

Our department faculty so supportive & encourage me to participate in various programs like Technical Quiz, paper Presentations & Cultural activities to eliminate stage fear. NEC College provides Pradhan Mantri Yuva Yojana Programs for students to implement their ideas as an entrepreneurs.



22471A4212

J. Richard Mark



DEPARTMENT OF CSECYBER SECURITY



Vision

- To cultivate a future generation of proficient Cyber Security professionals dedicated to fortifying industry and society by employing cutting-edge security measures.

Mission

- To provide allied research and academic resources that support for cyber security professionals.
- To cultivate research-oriented thinking for the design of new security algorithms.
- To collaborate with innovators for solving real world cyber security threats.

STUDENT STRENGTH PARTICULARS

- 2022 Batch (Regular) - 50
- 2023 Batch (Lateral Entry) - 2

FACULTY FOCUS
INTERNATIONAL JOURNALS:

- Dr.V.V.A.S.Lakshmi, Dr. R. Satya, D. Murali Krishna Reddy, "An energy efficient master auditor node with trust based secure routing in wireless sensor networks", International Journal of Safety and Security Engineering. Vol. 13, No. 6, December, 2023, pp. 1099-1108. Journal homepage: http://iieta.org/journals/ijsse.

FDPS ATTENDED:

- G. Jeevana Manikata for successfully completing the course Programming Fundamentals using Python - Part 1 on December 13, 2024.
- G. Jeevana Manikata for successfully completing the course Programming Fundamentals using Python - Part II on December 19, 2024.
- G.V.Neelimadhavi for successfully completing the course Programming Fundamentals using Python - Part 1 on December 14, 2024.
- P. Mallika Assistant Professor, NEC, has attended the Faculty Development Programme on "AI Tools and Techniques for Research" organized by the Department of Business Administration & IQAC, Andhra Loyola College, from 9th to 13th December, 2024.
- P. Mallika & J. Syam Babu has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 09-12-2024 to 13-12-2024.
- Dr. V.V.A.S.Lakshmi, P. SrinivasaRao, M. Sai Yaswanth, P.V.Sateesh Kumar, G. Mahesh Babu and G. Jeevana Manikanta Assistant Professor of NEC has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Revolutionizing Learning Hands on with Generative AI AND LLMS at SVR Engineering College from 09/12/2024 to 14/12/2024.
- P. SrinivasaRao Assistant Professor of NEC has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Cutting-Edge Insights into Artificial Intelligence and Its Applications at EASWARI ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.
- G.V.Neeli Madhavi, J. Syam Babu, P. Mallika, M. Revathi & K. Mounika has Participated in Faculty Development Program on AI Applications in Banking and Healthcare Industry organized by K.J. Somaiya.
- Institute of Technology Sion, Mumbai - Maharashtra KLE Technological University in Collaboration with ExcelR Edtech Pvt. Ltd. from 12th Dec to 18th Dec 2024.
- K. Mounika for successfully completing the course Design Thinking on 25th Jan 2025.
- Mr. Jonnalagadda Syambabu, Assistant Professor of Narasaraopeta Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AWS Cloud Computing - Tools And Services At Aditya College Of Engineering from 19/01/2025 to 24/01/2025.
- M. Revathi has participated in FDP on AI Applications in Banking and Healthcare Industry organized by KLE Technological University in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Dec to 18th Dec 2024.
- AICTE Training and Learning (ATAL) Academy certified that Mr. P Venkata Sateesh Kumar, Faculty members of the AICTE approved institutions of Narasaraopeta Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AWS Cloud Computing - Tools And Services At Aditya College Of Engineering From 19/01/2025 To 24/01/2025.
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- A. Veemarao Faculty member of the AICTE Approved Institutions of NEC has successfully participated & completed AICTE Training and learning (ATAL) Academy FDP on Empowering Healthcare with AI: Advances, Applications and Future Directions at Rajyalakshmi Institute of Technology from 27th Jan to 1st Feb 2025.
- A. Veema Rao, P.V.Sateesh Kumar & J. Syam Babu has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 27th Jan to 31st Jan 2025.
- J. Syambabu, Y. Mary Rani, G.V.Neelimadhavi, P. Mallika, G. Mahesh Babu, N. Siva Rama Krishna, M. Revathi & K. Mounika has Participated in FDP on Gen AI & Chat GPT Application in the Industry Organized by the Department of MBA & Research Centre, SJC Institute of Technology in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 27th Jan to 31st Jan 2025.
- G. Nageswara Rao, J. Syam Babu Faculty members of the AICTE approved institutions of Narasaraopet Engineering College has successfully participated



DEPARTMENT OF CSECYBER SECURITY



& completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Empowering Educators: Advancements in Artificial Intelligence and Its Applications in Computer Science at SRI MITTAPALLI COLLEGE OF ENGINEERING from 10/02/2025 to 15/02/2025.

• M. Sai Yaswanth has successfully participated in the National Conference organized by Tech Mindsparc Innovations (Approved by AICTE) on 16th Feb 2025.

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• P. Mallika, G.V.Neelimadhavi, K. Mounika & Ch. Padma has participated in Faculty Development Program on Cyber Security Organized by the Department of MBA &Research Centre, Sapthagiri NPS University, Bangalore in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 14th Feb to 20th Feb 2025.J. Syam Babu & Ch. Padma has participated in Faculty Development Program on Blockchain & Web3 Organized by the Department of CSE & CSE (Data Science), Sri Siddhartha Institute of Technology, SSAHE, Karnataka in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 10th March to 17th March 2025.

• Dr. V.V.A.S Lakshmi Prof, Dept of CSE-AIML,CS,DS (NEC) for completing the 6-day FDP 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(AIML), CSE(DS), CSE(CS), MCA & ECE at NEC in Collaborating with Blackbucks Group.

• G. Mahesh Babu, P. Srinivasarao, P.V.Sateesh Kumar, G. Nageswara Rao, G. Jeevana Manikata, D. Sreekanth, J. Syam Babu, N. Siva Rama Krishna, P. Mallika, M. Revathi, G.V.Neeli Madhavi, A. Veema Rao, M. Sai Yaswanth, S. Mariya Dasu & Ch. Padma Ass.Prof, Dept of CSE-AIML,CS,DS (NEC) for completing the 6-day FDP 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(AIML), CSE(DS), CSE(CS), MCA & ECE at NEC in Collaborating with Blackbucks Group.

• Inaugural Session at JNTUK for the Awareness Program on "Quantum Science and Technology" on 26-04-2025 & 27-04-2025.

• Dr. V.V.A.S. Lakshmi from NEC for Presenting Paper on Smart Healthcare: AI-Based Virtual Health Assistant and Medicine Reminder at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• N. Siva Rama Krishna from NEC for Detecting Insider Threats with an Enhanced Test Time Training Approach at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• D. Uma Sankar from NEC for Presenting Paper on Cloud Based Spam Identification Through Intelligent Text Filtering at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

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DEPARTMENT OF CSECYBER SECURITY

WEBINARS , WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

III CS students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'Vulnerabiltiy Assessment and Penetration Testing' during 16th – 21st December 2024 in collaboration with Supraja Technologies.



Chukka Prasadu, a student of CSE (Cyber Security), III Year at Narasaraopeta Engineering College (Autonomous), Yellamanda, Narasaraopet, Palnadu (Dist), Andhra Pradesh- 522601 is currently studying in our institute. We hereby give permission to him and him team B. Jagadeesh, G.V.N.L.S Satya Ganesh, K. Ajay Kumar, Ch. Akhil, K. Ajay Kumar Reddy & Mentor: Dr.
B. Aravind to participate in the IDE Bootcamp Edition 2 Phase II, scheduled to be held from 17th February to 21st February 2025.



All the III Year II Semester students are hereby informed that TechnoElite and our department is going to organize a two day workshop on 'Generative AI Bootcamp' during 6th – 7th March 2025 in collaboration with SRM University, A.P., and Resource Person: Dr. Satya Krishna Nunna, Professor, Department of CSE, SRM University, A.P.



All the II Year Students are hereby informed that our department and IIC are going to organize a one-day Seminar Program on "Entrepreneurship and Startups" 29th March, 2025.



II Year II Sem CSE (CS) Class Review Committee (CRC) was conducted on 03-04-2025.



II-II CSE (CS) students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'AWS (Amazon Web Services) Cloud Computing' during 01st – 05th April, 2025 in collaboration with Viksha Tech Solutions (OPC) Pvt. Ltd.



II-II CSE (CS) students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'AWS (Amazon Web Services) Cloud Computing' during 07th – 12th April, 2025 in collaboration with Viksha Tech Solutions (OPC) Pvt. Ltd.



DEPARTMENT OF CSECYBER SECURITY

All the students of II B.Tech. CSE (AIML), CSE (CS), CSE (DS) & AIML that we are going to conduct Parent's Meet on 12-04-2025.





All the II Year II Semester students are hereby informed that our department and TechnoElite Club, is going to hoist a guest lecture on "Impact of Microsoft 365 on Daily Job Life" April 12th, 2025.



All the II Year Students are hereby informed that our department and TechnoElite Club, is going to hoist a guest lecture on "Transition from Community Service to Entrepreneurship" April 17th, 2025.



All the II Year CSE (AIML), CSE (CS), CSE (DS), AIML students are hereby informed that our department and TechnoElite Club, is going to conduct a Hack-a-thon on "High Availability, Low Cost: AWS App Challenge Hackathon" on April 22nd, 2025.



STUDENT FOCUS
NPTEL Course Details

Student Details	Title	Course Duration	No. of Students Completed
II-II	The Joy of Computing Python	12 weeks Program	28
III-I	Introduction To Internet Of Things	12 weeks Program	10

SANKRANTHI SAMBARALU

On the occasion of Sankranthi Sambaralu the following competitions will be conducted for students on 0701-2025.

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4. Traditional Dress competitions for Girls
5. Bhogi Mantalu 6. Pongal Photos



DEPARTMENT OF CSECYBER SECURITY



The college is celebrating 76th Republic Day on 26th Jan 2025 in our college.



JUBILATION CELEBRATIONS-2K25

Jubilation Celebrations & a National Level Student Tech Fest in our collage.



COMPILE CLASH







DATA VISIONARY CHALLENGE



STAFF CRICKET RUNNERS



Womens Day Celebrating in our college on 08-03-2025.



STUDENT'S VOICE:

As a t.rd year student. I would like to share my experience in Narasaraopeta Engineering College. Till now I had completed two semesters & participated so many competitions in & out of the campus, to improve my skills.

Our department faculty so supportive & encourage me to participate in various programs like Technical Quiz, paper Presentations & Cultural activities to eliminate stage fear. NEC College Provides Pradhan Mantri Yuva Yojana Programs for students to implement their ideas as an entrepreneurs.



22471A4605
B. Jagadeesh



Department of CSE (Data Science)



Vision

• To nurture skilled professionals in the Data Science for industry innovation and create meaningful societal impact through advanced analytics, machine learning, and impactful data-driven solutions.

Mission

• To develop skilled data scientists who can effectively solve challenges in data analytics through comprehensive education and practical training in statistical analysis, machine learning, data visualization, and data manipulation.

• To develop students with strong research capabilities who can revolutionize multiple fields through the application of data science.

• To develop ethical data science professionals who utilize data for the welfare of society.

STUDENT STRENGTH PARTICULARS

• 2022 Batch (Regular) - 58

• 2023 Batch (Lateral Entry) - 2

FACULTY FOCUS
INTERNATIONAL JOURNALS:

Dr.V.V.A.S.Lakshmi, Dr. R. Satya, D. Murali Krishna Reddy, "An energy efficient master auditor node with trust based secure routing in wireless sensor networks", International Journal of Safety and Security Engineering. Vol. 13, No. 6, December, 2023, pp. 1099-1108. Journal homepage: http://iieta.org/journals/ijsse.

FDPS ATTENDED: FACULTY ACHIEVEMENT:

• G. Jeevana Manikata for successfully completing the course Programming Fundamentals using Python - Part 1 on December 13, 2024.

• G. Jeevana Manikata for successfully completing the course Programming Fundamentals using Python - Part II on December 19, 2024.

• G.V.Neelimadhavi for successfully completing the course Programming Fundamentals using Python - Part 1 on December 14, 2024.

• P. Mallika Assistant Professor, NEC, has attended the Faculty Development Programme on "AI Tools and Techniques for Research" organized by the Department of Business Administration & IQAC, Andhra Loyola College, from 9th to 13th December, 2024.

• P. Mallika & J. Syam Babu has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 09-12-2024 to 13-12-2024.

• Dr. V.V.A.S.Lakshmi, P. SrinivasaRao, M. Sai Yaswanth, P.V.Sateesh Kumar, G. Mahesh Babu and G. Jeevana Manikanta Assistant Professor of NEC has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Revolutionizing Learning Hands on with Generative AI AND LLMS at SVR Engineering College from 09/12/2024 to 14/12/2024.

• P. SrinivasaRao Assistant Professor of NEC has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Cutting-Edge Insights into Artificial Intelligence and Its Applications at EASWARI ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.

• G.V.Neeli Madhavi J. Syam Babu, P. Mallika, M. Revathi & K. Mounika has Participated in Faculty Development Program on AI Applications in Banking and Healthcare Industry organized by K.J. Somaiya Institute of Technology Sion, Mumbai - Maharashtra KLE

• K. Mounika for successfully completing the course Design Thinking on 25th Jan 2025.

• Mr. Jonnalagadda Syambabu, Assistant Professor of Narasaraopeta Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AWS Cloud Computing - Tools And Services At Aditya College Of Engineering from 19/01/2025 to 24/01/2025.

• M. Revathi has participated in FDP on AI Applications in Banking and Healthcare Industry organized by KLE Technological University in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Dec to 18th Dec 2024.

• AICTE Training and Learning (ATAL) Academy certified that Mr. P Venkata Sateesh Kumar, Faculty members of the AICTE approved institutions of Narasaraopeta Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AWS Cloud Computing - Tools And Services At Aditya College Of Engineering From 19/01/2025 To 24/01/2025.

• AICTE Training and Learning (ATAL) Academy certified that Mr. Modadugu Sai Yaswanth & Mr. Ganjinaboina Jeevana Manikanata Assistant Professor of Narasaropeta Engineering Collge(Autonomous) has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Advancements in Telehealth Industry Using IoT at Koneru Lakshmaiah Education Foundation Deemed To B University Off Campus Aziznagar Hyderabad from 20/01/2025 to 25/01/2025.

• Dr. V.V.A.S.Lakshmi has presented the Research Paper Titled Rainfall Prediction Using Machine Learning at the 2nd International Conference on recent trends in Microelectronics, Automation, Computing and Communication Systems Hosted by has presented the Research Paper Titled Circuits and Computing Branches of VNR Vignana Jyothi Institute of Engineering &Technology in association with IEEE Hyderabad Section on 19th Dec to 21 Dec, 2024.

• A. Veemarao Faculty member of the AICTE Approved Institutions of NEC has successfully participated &completed AICTE Training and learning (ATAL) Academy FDP on Empowering Healthcare with AI: Advances, Applications and Future Directions at Rajyalakshmi Institute of Technology from 27th Jan to 1st Feb 2025.

3. A. Veema Rao, P.V.Sateesh Kumar & J. Syam Babu has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 27th Jan to 31st Jan 2025.

4. J. Syambabu, Y. Mary Rani, G.V.Neelimadhavi, P. Mallika, G. Mahesh Babu, N. Siva Rama Krishna, M. Revathi & K. Mounika has Participated in FDP on Gen AI & Chat GPT Application in the Industry Organized by the Department of MBA & Research Centre, SJC Institute of Technology in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 27th Jan to 31st Jan 2025.

• G. Nageswara Rao, J. Syam Babu Faculty members of the AICTE approved institutions of Narasaraopet Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Empowering Educators: Advancements in Artificial Intelligence and Its Applications in Computer Science at SRI MITTAPALLI COLLEGE OF ENGINEERING from 10/02/2025 to 15/02/2025.

• M. Sai Yaswanth has successfully participated in the National Conference organized by Tech Mindsparc Innovations (Approved by AICTE) on 16th Feb 2025.

• G. Nageswara Rao Faculty members of the AICTE approved institutions of Narasaraopet Engineering College has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Empowering Educators: Advancements in Artificial Intelligence and Its Applications in Computer Science at National Institute of Technology Nagaland from 17/02/2025 to 22/02/2025.



Department of CSE (Data Science)



• P. Mallika, G.V.Neelimadhavi, K. Mounika & Ch. Padma has Participated in Faculty Development Program on Cyber Security Organized by the Department of MBA & Research Centre, Sapthagiri NPS University, Bangalore in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 14th Feb to 20th Feb 2025.

• J. Syam Babu & Ch. Padma has Participated in Faculty Development Program on Blockchain & Web3 Organized by the Department of CSE & CSE (Data Science), Sri Siddhartha Institute of Technology, SSAHE, Karnataka in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 10th March to 17th March 2025.

• Dr. V.V.A.S Lakshmi Prof, Dept of CSE-AIML,CS,DS (NEC) for completing the 6-day FDP 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(AIML), CSE(DS), CSE(CS), MCA & ECE at NEC in Collaborating with Blackbucks Group.

• G. Mahesh Babu, P. Srinivasarao, P.V.Sateesh Kumar, G. Nageswara Rao, G. Jeevana Manikata, D. Sreekanth, J. Syam Babu, N. Siva Rama Krishna, P. Mallika, M. Revathi, G.V.Neeli Madhavi, A. Veema Rao, M. Sai Yaswanth, S. Mariya Dasu & Ch. Padma Ass.Prof, Dept of CSE-AIML,CS,DS (NEC) for completing the 6-day FDP 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(AIML), CSE(DS), CSE(CS), MCA & ECE at NEC in Collaborating with Blackbucks Group.

• Inaugural Session at JNTUK for the Awareness Program on "Quantum Science and Technology" on 26-04-2025 & 27-04-2025.

• Dr. V.V.A.S. Lakshmi from NEC for Presenting Paper on Smart Healthcare: AI-Based Virtual Health Assistant and Medicine Reminder at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• N. Siva Rama Krishna from NEC for Detecting Insider Threats with an Enhanced Test Time Training Approach at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• D. Uma Sankar from NEC for Presenting Paper on Cloud Based Spam Identification Through Intelligent Text Filtering at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune. M. Sai Yaswanth from NEC for Presenting Paper on Obesosense: A Smart Health Platform Integrating Machine Learning And IOT for Overweight and Obesity Management at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• J. Syam Babu from NEC for Presenting Paper on AI-Based Models for the Early Prediction of Persistent Health Conditions Using Health Records at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• M. Revathi from NEC for Presenting Paper on AI- driven approaches to improve cybersecurity in financial transactions at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• G. Mahesh Babu from NEC for Presenting Paper on Intensifying weather forecasting through deep learnin in machine learning An overarching review of methods demands and future directions at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• G. Jeevana Manikanta from NEC for Presenting Paper on Machine Learning -Based Network Vulnerability Analysis of Industrial Internet of Things at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• Dr. V.V.A.S.Lakshmi, D. Sreekanth, P. Mallika& A. Paparao has attended Online 1 week training program on "Research Proposal Writing and AI Tools in Education and Research" sponsored by ISTE, New Delhi during 06/05/2024 to 11/05/2024 organized by dept of AI & DS at P.R.PotePatil College, Amaravathi.

• P.V. Sateesh Kumar from NEC for Presenting Paper on ML for Forecasting Climate Change Impacts on Biodiversity at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• D. Sreekanth from NEC for Presenting Paper on Machine Learning for Improving Water Quality Monitoring and Management at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• P. Mallika from NEC for Presenting Paper on A Comprehensive study of Deep learning techniques in Autonomous Obstacle detection systems at 1stInternational Conference CRAES-2K25 held on 22nd – 23rd April 2025 – Bharati Vidyapeeth's college of Engineering, Lavale, Pune.

• A. Veema Rao from NEC for Presenting Paper on Artificial Intelligence for reinventing Public Transportation (PT) at 1st International Conference CRAES-2K25 held on 22nd – 23rd April 2025 –



Department of CSE (Data Science)

WEBINARS , WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

III DS students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'UI-UX Design' during 16th – 21st December, 2024 in collaboration with Alice Soft.



All th+e II Year II Semester students are hereby informed that our TechnoElite Student Club is going to organize a Seminar on "GIT HUB," on 01-02-2025.



III Year II Semester CSE (DS) Class Review Committee (CRC) was constituted on 28-01-2025.





G Shanmukha, a student of CSE (Data Science) 3rd year at Narasaraopeta Engineering College (Autonomous), Yellamanda, Narasaraopet, Palnadu (Dist), Andhra Pradesh-522601, is currently studying in our institute. We hereby give permission to him and his team (T Naga Kalyan) to participate in the IDE Bootcamp Edition 2 Phase II, scheduled to be held from 17th February to 21st February 2025.



M. Nava Durga, a student of CSE (Data Science), III Year at Narasaraopeta Engineering College (Autonomous), Yellamanda, Narasaraopet, Palnadu (Dist), Andhra Pradesh- 522601 is currently studying in our institute. We hereby give permission to her and her team M. Ch. Dedeepya (III DS) & R. Gopinath Reddy (II CSE (AIML)-A) to participate in the IDE Bootcamp Edition 2 Phase II, scheduled to be held from 17th February to 21st February 2025.



All the III Year II Semester students are hereby informed that TechnoElite and our department is going to organize a two day workshop on 'Generative AI Bootcamp' during 6th – 7th March 2025 in collaboration with SRM University, A.P., and Resource Person: Dr. Satya Krishna Nunna, Professor, Department of CSE, SRM University, A.P.

Department of CSE (Data Science)

GENERATIVE AI BOOTCAMP



All the II Year Students are hereby informed that our department and IIC are going to organize a one-day Seminar Program on "Entrepreneurship and Startups" 29th March, 2025.

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

ONE DAY SEMINAR PROGRAM ON "ENTREPRENEURSHIP AND STARTUPS"

29-03-2025



II Year II Sem CSE (DS) Class Review Committee (CRC) was conducted on 05-04-2025.

DEPARTMENT OF CSE (DATA SCIENCE)



II-II CSE (DS) students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'AWS (Amazon Web Services) Cloud Computing' during 15th – 21st April, 2025 in collaboration with Viksha Tech Solutions (OPC) Pvt. Ltd.

II-II DEPARTMENT OF CSE (AIML)-B & CSE (DS)

ONE WEEK WORKSHOP ON "AWS CLOUD COMPUTING"

15-04-2025



All the students of II B.Tech. CSE (AIML), CSE (CS), CSE (DS) & AIML that we are going to conduct Parent's Meet on 12-04-2025.

Parent Teacher Meeting held on 12-04-2025



Department of CSE (Data Science)

Chairman & Principal appreciated the team, participated in SIH - 2023 @ Odisha.



All the II Year Students are hereby informed that our department and TechnoElite Club, is going to hoist a guest lecture on "Transition from Community Service to Entrepreneurship" April 17th, 2025.



All the II Year CSE (AIML), CSE (CS), CSE (DS), AIML students are hereby informed that our department and TechnoElite Club, is going to conduct a Hack-a-thon on "High Availability, Low Cost: AWS App Challenge Hackathon" on April 22nd, 2025.





STUDENT FOCUS
NPTEL Course Details

Student Details	Title	Course Duration	No. of Students Completed
II-II	The Joy of Computing Python	12 weeks Program	30
III-I	Introduction To Internet Of Things	12 weeks Program	14

EXTRA CIRRCULAR ACTIVITIES
STUDENT ACHIEVEMENTS:-





SANKRANTHI SAMBARALU

On the occasion of Sankranthi Sambaralu the following competitions will be conducted for students on 0701-2025.

1. Painting 2. Rangoli 3. 3D Art Rangoli
4. Traditional Dress competitions for Girls
5. Bhogi Mantalu 6. Pongal Photos



The college is celebrating 76th Republic Day on 26th Jan 2025 in our college.



JUBILATION CELEBRATIONS-2K25

Jubilation Celebrations & a National Level Student Tech Fest in our collage.



COMPILE CLASH





DATA VISIONARY CHALLENGE



STAFF CRICKET RUNNERS



Womens Day Celebrating in our college on 08-03-2025.

WOMENS DAY



STUDENT'S VOICE:

As a third year student. I would like to share my experience in Narasaraopeta Engineering College. Till now I had completed two semesters & participated so many competitions in & out of the campus, to improve my skills.

Our department faculty so supportive & encourage me to participate in various programs like Technical Quiz, paper Presentations & Cultural activities to eliminate stage fear. NEC College provides Pradhan Mantri Yuva Yojana Programs for students to implement their ideas as an entrepreneurs.

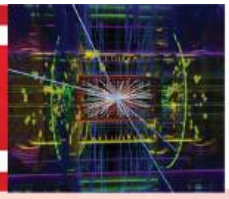


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M.Ch. Dedeepya



DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Communication Empowers



New Trends in Technology

Frontier Sciences and Technologies:

• **Precision Agriculture:** Leveraging AI, IoT sensors, drones, and satellite imagery for real-time data on soil health, crop growth, and weather. This enables optimized irrigation, fertilization, and pest management, minimizing waste and maximizing yields.

• **Biotechnology & Gene Editing (CRISPR):** Developing climate-resilient, high-yielding, and nutritious crop varieties that can withstand extreme weather, pests, and diseases, reducing reliance on chemical inputs.

• **Digital Agriculture Platforms:** AI-powered advisory systems, blockchain for supply chain transparency, and mobile applications providing real-time market data, weather forecasts, and expert guidance.

• **Controlled Environment Agriculture:** Vertical farming and hydroponics offer solutions for urban areas and water-scarce regions, allowing year-round, high-density crop production with minimal land and water.

• **Smart Livestock Farming:** Using sensors and data analytics for animal health monitoring, optimized feeding, and early disease detection, enhancing productivity and animal welfare.

• **Nanotechnology:** Developing nano-fertilizers and nano-pesticides for targeted delivery, reducing chemical usage and environmental impact. Sustainable Resource Management: Advanced water management (smart irrigation, rainwater harvesting) and soil health technologies (bio-fertilizers, microbial inoculants) are crucial

FACULTY FOCUS

1. Dr.K.Ponnari Lakshmi, Professor and Head of the Dept. B.S&H Published a paper with the title " Progressive stages or levels of technical Reading with Sample Reading Components Indicator: For Fourth year B.Tech students", In south Eastern European Journal of Public Health,2025(a Scopus indexed journal in March 2025.

2. Dr. K. Ponnari Lakshmi, Professor and Head of the Dept. B.S&H Published a paper with the title "Indian Education System in the teaching of English: Present scenario" in Library Progress International (Scopus indexed journal) in 2025.

3. Dr. V. Aruna, Assoc. Professor of English Published a paper with the title "Improving English Text Machine Translation Qualities with Cultines Edge Neural Network System" in a Scopus indexed journal in 2025.

4. Dr. V. Aruna, Assoc. Professor of English Presented a Paper on "Computing For Language Assessment in Large – Scale English Testing: A Study of Efficient and Scalable Solutions", in an International Seminar.

5. Dr. V. Aruna, Assoc. Professor of English attended ICSSR The Twelve- Day Capacity Building Program (CBP) for Faculty in social science and Humanities on the theme "Enhancing methodological Expertise and Technical Adaptations".

6. Dr. V. Aruna, Assoc. Professor of English Published Scopus Indexed paper titled "Improving English Text Machine Translation Quality with Cutting Edge Neural Network Systems"

7. Dr. G.R.K. Murthy, Asst.Professor of English,Published a paper with the title "Optimizing English Lexical Databases with BERT and Reinforcement learning" in a Scopus indexed journal in 2025.

8. Dr. G. Dharmaiah Assoc. Professor of Mathematics Published a paper in the title "Execution of Bioconvective Radiative Dissipative Non- Newtonian Magnetohydrodynamic Flow Comprising Stratification with BVP4C Approach Configured with Vertical Plane" in Computer Modeling in Engineering & Sciences 2025.

9. Dr. G. Dharmaiah Assoc. Professor of Mathematics Published a paper in the title "Thermal Diffusion Effect Analysis of Micropolar Nanofluid Flowing on Inclined Surface: Chemical Engineering Case Study in First Published: 30 January 2025 in https://onlinelibrary.wiley.comdoi/10.1002/htj.23297.

10. Dr. G. Dharmaiah Assoc. Professor of Mathematics Published a paper in the title "Optimizing Thermal Performance of Water-Based Hybrid Nanofluids with Magnetic and Radiative Effects over a Spinning Disc, Chemometrics and Intelligent Laboratory System" in 2025, 105336. https://doi.org/10.1016/j.chemolab.2025.105336.

11. Dr. G. Dharmaiah Assoc. Professor of Mathematics Published a paper in the title "Melting Heat Transfer Effects on MHD Chemically Thermally towards Stretching Exponentially Sheet with Heat Sink/Source, CFD Letters 17" Issue 7 2025 113129. https://doi.org/10.37934/cfdl.17.7.113129.

12. Dr. G. Dharmaiah Assoc. Professor of Mathematics Published a paper in the title "Exploration of physical characteristics of gyrotactic microorganisms and Cattaneo-Christov heat flux past a cone and a wedge with thermal radiation" in Case Study in Thermal Engineering Volume 68, https://doi.org/10.1016/j.csite.2025.105916.

13. Dr. G. Dharmaiah Assoc. Professor of Mathematics Published a paper in the title "Deep Learning Approach for predicting heat transfer in Water-Based hybrid nanofluid thin film flow and optimization via response surface methodology, in Case Study in Thermal Engineering Volume 68, 2025 105930 in the site, https://doi.org/10.1016/j.csite.2025.105930 .

14. Dr. G. Dharmaiah Assoc. Professor of Mathematics Published a paper in the title "A Novel Exploration of Magnetized Nano Jeffrey Fluid Flow Over a Chemically Reacted permeable disk with ohmic heating, Modern Physical Letters B, in 2025, 2550121, PP. 1-27. Doi/10.1142/S0217984925501210.

15. Dr. R. Mohana Ramana Asst. Professor of Mathematics Published a Paper with the title "Computational Study of Magnetized 3D Revolving Hybrid Nanofluid with Non-Linear Thermal Radiation and Heat Source/Sink Over a stretching sheet in Scopus indexed journal of https://doi.org/10.1007/s41939-025-00748-9.

16. Dr. R. Mohana Ramana Asst. Professor of Mathematics Published a Paper with the title "A Computational Analysis on Chemically Reacting Stagnation Point Hybrid Nanofluid Flow over Stretched Surface under the Influence of Arrhenius Kinetic Energy" in Scopus Indexed journal of Advanced Research in Fluid Mechanics and Thermal Sciences 131, Issue 1 (2025) 1-19.

17. Dr. R. Mohana Ramana Asst. Professor of Mathematics Published a Paper with the title 'Contribution of Soret and Dufour aspects on Hybrid Nanofluid over 3D Magneto Radioactive Stretching Surface with Chemical Reaction," in Scopus indexed journal of https://semarakilmu.com.my/journals/index.php/CFD_Letters/index. CDF Letters ,17,5,131-151.

18. Dr. CH. Maheshwari Asst. Professor of Mathematics Published a Paper with the title "Computational Study of Magnetized 3D Revolving Hybrid Nanofluid with Non-Linear Thermal Radiation and Heat Source/Sink Over a stretching sheet in Scopus indexed journal of https://doi.org/10.1007/s41939-025-00748-9.

19. Dr. K. Neeraja Assoc. Professor of Physics Published a paper with the title of "Spectral Analysis and Characterization of Na2O-SiO2-ZrO2 glasses doped with V2O5" in the journal of Molecular Structure Volume 1320, 15 January 2025,139567.

20. Dr.N.Giridhar Babu Asst.Professor of Physics Published a paper with the title of "Improvement of electrtocaloric energy storage properties in eco-friendly 0.63Na0.5Bi0.5TiO3-0.37SrTiO3-NaNbO3 Ceramic synthesized by sol-gel route" in the Scopus indexed journal of J Mater Sci. Mater Electron 36, 410 (2025). https//doi.org/10.1007/s10854-0.25-14471-1.

21. Dr.K.Santha Kumari Asst.Professor of chemistry Published a paper with the title of " Sustainable Climate Change analysis of Renewable Power" in IGI global series, (A Scopus journal).

22. G. Naga Raju Asst.Professor of Chemistry Successfully completed AICTE Training and Learning (ATAL) Academy, Faculty Development Program on "Sustainable Carbon-Free Technology for Hydrogen Generation and Storage", NIT Tiruchirappalli from 17/2/2025 To 22/2/2025.

23. G. Naga Raju Asst.Professor of Chemistry Successfully completed NITTR- Chandigarh FDP on "Science, Technology and Innovation for Sustainable development" Conducted by Electrical Engineering Department, NEC From 27/01/2025 To 31/01/2025.

24. Dr. Y. Lakshman Kumar Asst.Professor of Chemistry Successfully completed NITTR- Chandigarh FDP on "Science, Technology and Innovation for Sustainable development" Conducted by Electrical Engineering Department, NEC From 27/01/2025 To 31/01/2025.

DEPARTMENT OF MBA

Manager - He, who do things right

Vision

To provide a world-class learning experience in the field of management and develop leadership capabilities to withstand global challenges thus making MBA distinctive, Research oriented, and professional program that is equipped to build on the twin pillars of theory and practice.

Mission

To impart and nurture managerial and entrepreneurial skills in the students.

To create a competitive environment for the student to upgrade their knowledge and sharpen theirskills.

To encourage the faculty and students to undertake research and consultancy assignments promoting self-employment through entrepreneurship.

New Trend

Business analytics refers to the skills, technologies, and practices for continuous iterative exploration and investigation of past business performance to gain insight and drive business planning. Business analytics focuses on developing new insights and understanding of business performance based on data and statistical methods

Faculty Focus

Publications/Conferences/FDP

1. Dr.M. Aravind has successfully participated and completed AICTE training and learning (ATAL) FDP on smart manufacturing technologies aligned with industry 4. O: challenges and opportunities in PUNJAB ENGINEERING COLLEGE Deemed to be UNIVERSITY from 6-01-2025 to 11-1-2025.

2. N. Usha Deepa Sundari has participated and completed AICTE Training & Learning (ATAL) academy FDP on industry 4.O Reshaping Science &Engineering For Tomorrow at VIPS college in NEWDELHI 06-01-2025 to 11-01-2025

3. Dr. M. Aravind has participated in innovation design and entrepreneurship (IDE) Bootcamp from 17th to 21st Feb 2025 as faculty mentor at RVR&JC college, Guntur Organized by AICTE and Ministry of Education's innovation cell (MIC).

4. Dr.P. Pattabhi Ram in recognition of the publication of book chapter entitled as "Financial and cost accounting concepts and applications published in the 1st edition.

ISBN NO.978-93-48151-70-4 Issued -2025

RG International Publication

5. Dr.P.Pattabhiram presented a paper a titled "An over view of corporate governance frame work" in India in (GBTS)-2K25 organized by department of MBA Andhra Loyola College, Vijayawada on 4th&5th March-2025.

6. Dr. P.Pattabhiram for Successfully completing the course Retail Management in NPTEL AICTE with consolidated score of 61%

7. D. Satish Babu for Successfully completing the course Consumer Behaviour in NPTEL AICTE with consolidated score of 64%

8. Syed salma, D. Satish babu has presented a paper on Modernizing recruitment and selection process with artificial intelligence in organisation NATIONAL CONFERENCE SUSTAINABLE MANAGEMENT IN THE AGE OF AI AND EMERGING TECHNOLOGIES Organised by the department of MBA. KL BUSINESS SCHOOL, KL DEEEMED TO BE UNIVERSITY, VADDESWARAM ON APRIL 12 th,2025.

9. Dr. M ARAVIND for successfully participating series in the masterclass series under ip utsav , organised virtually by the all India council for technical education (AICTE) and Ministry of education's innovation cell (MIC) FROM 21 to 26 th april 2025.

10. Dr.P.pattabhiram has participated in one day online FDP on "intellectual property rights (IPR)" held on 28 th april 2025. Organised by department of business administration in association with internal quality assurance cell (IQAC),PVPSIT.

11. Dr. G. Anil Kumar for successfully completing the course ADVERTISING & PROMOTIONS MANGEMENT with a consolidated score of 60%.

12. N. Usha Deepa Sundari, Syed Salma for successfully completing the course AI IN HUMAN RESOURCE MANAGEMENT with a consolidated score of 66% & 80% respectively.

Departmental Activities

1. MBA Dept conducted a program on banking products and services presentation by HDFC bank employees on 10-01-2025





2. MBA Dept organized A NATIONAL LEVEL MANAGEMENT PRASTHAN 2K25 on 10 & 11 February 2025.
Events:-
1. B Quiz
2. Young Managers
3. Market Makers

3. MBA Department organised a workshop on carrier planning for Management Graduates in Era of Technological Disruptions and AI with resource person by Prof. Dr. Bommadevara Ramesh HOD Synergy school of Business on 18-03-2025.





4. MBA Department organised a one week FDP on Corporate Social Responsibility for sustainable development during 24th to 28th March-2025 in Association with National Institute of Technical Teachers Training & Research, Chandigarh.

Workshops/Seminars/Industrial visits/Webinars

1. MBA Dept faculty and students are participated in webinar on securities market with NATIONAL STOCK EXCHANGE on 05-02-2025.





2. Department of MBA organised Sangam Dairy Plant, Vadlamudi Visit for MBA I year students on 20th March 2025.

3. MBA Department organised a work shop on RAISING CAPITAL & MANAGING FINANCE FOR STARTUPS ON 28/03/2025 by DR. M Naveenkumar assistant director of District industries center, Narasaraopet.



Curricular & Co-Curricular activities (Sports)

1. I & II MBA Students are participated & won the prizes in SANKRANTHI SAMBARALU-2025

• Rangoli (2nd Prize)
T.Rajani-II MBA
P.Rupa Vyshavi- II MBA
• 3D Art (3rd Prize)
T.Ganesh –I MBA
J. Oliver Clifford I MBA
• Traditional Dress
P.Rupa Vyshavi- II MBA -2nd Prize
Sk.Yaseen –I MBA 3 rd Prize
K.V. Sai Poojitha 3 rd Prize
• Painting
T.Rajani-II MBA 3rd Prize

2. I & II MBA students are participated in B Quiz, Young Managers & Market Makers
Market makers winners 1st Prize
G. AMARESH,SK. SALMA
2nd Prize- SK. JASMINE SK. ARIFA,SK. SAMEENA KHAJA.

3. Sk.Mohammad Asif, Sk.Sameena khaza ,Sk.Jasmine,C.Sai Sri Maheswari,M.Vikranth I & II MBA Students are participated in innovation design and entrepreneurship (IDE) Bootcamp from 17th to 21st Feb 2025 at RVR&JC college, Guntur Organized by AICTE and Ministry of Education's innovation cell (MIC).

4. G. Ramya Akhila has represented the university KHO-KHO team in the south zone inter university Tournament for the academic year 2024-2025.



The following students are I Sem academic toppers in their respective classes.



Alumni Voice



It is an immense pleasure to say that I was a part of NEC. It helped me a lot to derive the inherent talents in myself to meet the career requirements. I hearty thank my faculty for helping me to develop managerial skills.

A. Tharuni Sri Sai Sahitya (2023-25 Batch)
H.T.No: 2347IE0003

Student's Voice

I feel proud to be a part of NEC. It provides me with a great opportunity to enter the corporate business world



I MBA II Sem

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Technology is teaching us to be human again

Vision

- To develop the MCA Department into a hub for producing world-class software professionals and future-ready entrepreneurs.

Mission

- Provide knowledge of modern software tools to face today's competitive challenges.
- Equip students with strong employability and industry-relevant skills.
- Promote research and innovation among students and faculty members.

New Trends in Technology

1. Artificial Intelligence (AI) and Machine Learning (ML)

What It Is: AI enables machines to think and make decisions like humans. ML allows systems to learn from data and improve automatically.

How to Use for Students:

• Teach students Python and basic AI models using platforms like Google Colab.

• Encourage projects like AI chatbots, sentiment analysis, or image recognition.

• Introduce them to tools like ChatGPT, Teachable Machine, and TensorFlow.

Career Scope: AI Engineers, Data Scientists, AI Ethics Researchers.

2. Internet of Things (IoT)

What It Is: IoT connects devices (like sensors, home appliances, and wearables) to the internet, enabling real-time communication and automation.

How to Use for Students:

• Introduce Arduino or Raspberry Pi-based kits for hands-on experience.

• Create projects like smart homes, weather stations, or automated irrigation systems.

• Teach basics of sensors, data collection, and cloud integration.

Career Scope: IoT Developer, Embedded Systems Engineer, Automation Expert.

3. Blockchain and Web3

What It Is: Blockchain is a secure, decentralized ledger used in cryptocurrency, smart contracts, and digital identity. Web3 is the next-gen internet based on blockchain.

How to Use for Students:

• Start with the concept of Bitcoin, Ethereum, and how blockchain works.

• Encourage them to build basic smart contracts using Solidity on Ethereum.

• Teach about NFT creation and decentralized apps (DApps).

Career Scope: Blockchain Developer, Smart Contract Auditor, Web3 Entrepreneur.

4. Extended Reality (XR) – AR, VR, MR

What It Is: XR combines Augmented Reality (AR), Virtual Reality (VR), and Mixed Reality (MR) to create immersive experiences.

How to Use for Students:

• Use AR apps to bring science and history lessons to life.

• Encourage VR-based simulations for architecture, medicine, or geography.

• Introduce platforms like Unity for developing 3D interactive content.

Career Scope: XR Developer, Game Designer, Simulation Engineer.

5. Quantum Computing (Introductory Level)

What It Is: Quantum Computing uses the principles of quantum mechanics to solve complex problems much faster than traditional computers.

How to Use for Students:

• Start with basic concepts like qubits, superposition, and entanglement.

• Use IBM's Quantum Lab (IBM Q Experience) for simulations.

• Discuss real-world applications like cryptography and drug discovery.

Career Scope: Quantum Software Developer, Researcher, Cryptography Analyst.

How to Use These Technologies for Student Growth:

• Start with workshops and hackathons focused on trending tech.

• Integrate into the curriculum with mini-projects and internships.

• Encourage certifications from platforms like Coursera, Udemy, and NPTEL.

• Create innovation clubs for AI, IoT, Blockchain, and XR.

• Guide them in participating in national-level competitions and startup incubators.

STUDENT FOCUS

We are Conducting CRT Classes for I MCA Students and Achieving Success in Placements

We are pleased to announce that our CRT (Campus Recruitment Training) classes for II MCA (Master of Computer Applications) students have been successfully conducted. These training sessions were meticulously designed to prepare our students for the competitive recruitment process that takes place in top-tier companies.

SPORTS

BALL BADMINTON



Our college student N. Sai proudly represented our institution in the JNTUK Central Zone Ball Badminton tournament. He showcased excellent skills, determination, and true sportsmanship throughout the matches. His performance was outstanding and appreciated by all the participants and officials.

N. Sai's dedication and hard work helped our college gain recognition in the tournament.

We congratulate him for his remarkable contribution and wish him success in future competitions.

SANKRANTHI SAMBARALU



We are proud to share that our I MCA students have made us proud with their amazing talents.

Lakshmi Bharathi and Neelima Sasi won Ist prize in the Rangoli competition, showcasing their creativity and teamwork.

Their vibrant design stood out and captured everyone's attention.

Also, Ganesh from II MCA got the Ist prize in the Traditional Dress competition, impressing the judges with his cultural elegance.

Congratulations to all the winners for bringing pride to our department!

JUBILATION



JUBILATION 2K25 PARTICIPATION LIST				
S.NO	ROLL NO	NAME OF THE STUDENT	NAME OF THE PROGRAMME	TYPE OF CERTIFICATE
1	23471F0032	LAMKIREDDY MARY KOMALI	PPT PRESENTATION	PARTICIPATION
2	23471F0041	NANDYALA GOWTHAMI	PPT PRESENTATION	PARTICIPATION
3	23471F0055	PULLAGURA ANIL	VALLEYBALL & KABADDI	PARTICIPATION
4	23471F00B4	SHAIK SHARMILA SHAMIN	THROWBALL	WINNER
5	23471F00G9	PALLA HARSHAVARDHAN	PPT PRESENTATION	PARTICIPATION
6	23471F00H4	PONNAM PRUDHVI CHANDU	PPT PRESENTATION	PARTICIPATION

WOMEN's DAY

We are proud to share that our student showcased exceptional talent by participating in Mehendi Art and Cooking Without Fire competitions.

With creativity and dedication, they delivered an outstanding performance in both events.

Their beautiful Mehendi designs and delicious fireless dishes impressed the judges greatly.

Among many participants, our student stood out and secured the 1st Prize in both categories.

This achievement reflects their skill, passion, and hard work—bringing pride to our institution.



Women's Day Participation List					
S.NO	ROLL NO	NAME OF THE STUDENT	NAME OF THE PROGRAMME	DATE	TYPE OF CERTIFICATE
1	23471F00A7	SK.MANJUR	MEHENDI	7&8 MARCH 2025	WINNER
2	23471F00B4	SK.SHARMILA	MEHENDI	7&8 MARCH 2025	WINNER
3	23471F00B8	B.MAMTA	Cooking without Fire	7&8 MARCH 2025	WINNER
4	23471F0044	G.LAVANYA	Cooking without Fire	7&8 MARCH 2025	WINNER



We are thrilled to announce that our students Mamillapalli Venkata Srinivasa Rao and Durga Prasad have secured the First Prize in the Ppt presentation at the prestigious BECTAGON 2K25 Techno-Cultural Fest held at Bapatla Engineering College.

Their creativity and talent stood out among numerous participants from across the country.

We heartily congratulate them on this wonderful achievement and wish them many more successes ahead!



Our student Lakshmi Bharathi proudly secured 2nd Prize at the National Level Techno-Cultural & Sports Fest held at Malineni Lakshmaiah Women's Engineering College.

She showcased remarkable talent and stood out among participants from various colleges.

We congratulate her on this great achievement and wish her continued success!

PLACEMENT HIGHLIGHTS:



Name of the Company: Conquer E-Learning Selected List (2023-2025 Batch)
Package: 2.6 LPA
Selected students: 09



Name of the Company: Q-Spiders
Package: 3.5 to 5.5 LPA
Selected students: 17



Name of the Company: Savantis Selected List- 2023 Batch
Package: 3.5 LPA
Selected students: 12



Name of the Company: TAP Academy-2023 Batch
Package: 3.6 LPA
Selected students: 02



Name of the Company: RINEX Selected List (2023-2025 Batch)
Package: 4 LPA
Selected students: 04



Name of the Company: Sutherland Global Selected List (2023-2025 Batch)
Package: 2.7 LPA
Selected students: 08



Name of the Company: EDU-VERSITY Campus Drive Selection List- 2025 (2023-2025 Batch)
Package: 3.6 LPA
Selected students: 07

Faculty Focus

FDP's, Conference & Publications

1. Dr. K. LakshmiNadh.

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

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College





Title: Advanced Pest Identification: An Efficient Deep Learning Approach Using VGG Networks

Date:

Organized: Narasaraopeta Engineering College

Title: Unveiling the Potential of Deep Learning: A Multifaceted Approach to Pulmonary Disease Detection and Clinical Integration

Date: Organized: Narasaraopeta Engineering College





2. B.N.V.Udaya Lakshmi Title: 2nd International Conference on Computing Systems and Intelligent Applications

Date:

Organized: Narasaraopeta Engineering College

Title: Research Methodology & IPR

Date: Feb 24th – March-lst 2025

Organized: Geethanjali Institute of Science & Technology, Innovation and Entrepreneurship Development Cell (IEDC)





Title: ReactJS Concepts

Date: 12th May – 17th May 2025

Organized: SkillDzire

Title: Cyber Security

Date: 14th Feb – 20th Feb 2025

Organized: EXCELR





Title: Blockchain & web3

Date: 10th March -17th March 2025

Organized: EXCELR

Title: Generative AI and Prompt Engineering

Date: 21st April -25th March 2025

Organized: EXCELR





Title: Understanding IPR: A Complete Guide to Research, Patents, Copyrights, Trademarks, and Scholarly Writing

Date: 26th June 2025

Organized: Malla Reddy Engineering College

A. Aruna Kumari Title: Revolutionizing Education with Generative AI: Teaching and Learning Strategies

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College





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

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College

Title: Understanding IPR: A Complete Guide to Research, Patents, Copyrights, Trademarks, and Scholarly Writing

Date: 26th June 2025

Organized: Malla Reddy Engineering College





Title: AI Dashboards using Microsoft Power BI

Date:17th & 18th May 2025

Organized: Skill Nation

Title: Outcome-Based Education Date:09th May 2025 Organized: Skill Nation

A. Paprao Title: Revolutionizing Education with Generative AI: Teaching and Learning Strategies

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College



A. Paprao Title: Revolutionizing Education with Generative AI: Teaching and Learning Strategies

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College





Title: Understanding IPR: A Complete Guide to Research, Patents, Copyrights, Trademarks, and Scholarly Writing

Date: 26th June 2025

Organized: Malla Reddy Engineering College

D.Lakshmi Dheeraja

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

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College





Title: Understanding IPR: A Complete Guide to Research, Patents, Copyrights, Trademarks, and Scholarly Writing

Date: 26th June 2025

Organized: Malla Reddy Engineering College

Title: Unveiling the Potential of Deep Learning: A Multifaceted Approach to Pulmonary Disease Detection and Clinical Integration

Date:

Organized:

Narasaraopeta Engineering College





Title: ReactJS Concepts

Date: 12th May – 17th May 2025

Organized: SkillDzire

Title: Generative AI and Prompt Engineering

Date: 21st April 25th April 2025

Organized: EXCELR





Title: Outcome Based Pedagogic Principles for Effective Teaching

Date: Feb-March 2025

Organized: NPTEL

Title: Research Methodology & IPR

Title: Blockchain & web3

Date: 10th March -17th March 2025

Organized: EXCELR





Sk. Nayab Rasool

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

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College

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

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College



Title: Understanding IPR: A Complete Guide to Research, Patents, Copyrights, Trademarks, and Scholarly Writing

Date: 26th June 2025

Organized: Malla Reddy Engineering College



G. Ravi Purnachanra Rao

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

Date: 10th – 15th March 2025

Organized: Narasaraopeta Engineering College



Title: Understanding IPR: A Complete Guide to Research, Patents, Copyrights, Trademarks, and Scholarly Writing

Date: 26th June 2025

Organized: Malla Reddy Engineering College



Title: ReactJS Concepts

Date: 12th May – 17th May 2025

Organized: SkillDzire

G.Sai Krishna

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

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Organized: Narasaraopeta Engineering College



Title: Understanding IPR: A Complete Guide to Research, Patents, Copyrights, Trademarks, and Scholarly Writing

Date: 26th June 2025

Organized: Malla Reddy Engineering College



Toppers from I MCA I Semester (2024 Batch)



Toppers from II MCA III Semester (2023 Batch)



ALUMNI VOICE



Choosing the right path to success at the right moment is crucial, and for me, that path was NEC. The supportive environment and systematic approach to education at NEC have been instrumental in shaping my career. The faculty members are incredibly approachable and always ready to assist, creating a nurturing space for growth. At NEC, we are equipped with the skills and knowledge needed to excel in our professional journeys, which led to my successful placement with a renowned company for my internship.

STUDENT VOICE



I am truly honoured to be a part of this esteemed department. The Department of MCA has consistently excelled in academics, research, and placements, setting benchmarks for others to follow. It provides a wide spectrum of thoughtfully designed programs, ensuring a perfect blend of theoretical knowledge and practical exposure. The department constantly updates its curriculum to reflect the ever-evolving industry trends and meets the expectations of its stakeholders with utmost dedication. This nurturing environment inspires us to grow both personally and professionally, fostering innovation, collaboration, and excellence.

TRAINING AND PLACEMENT CELL

We Train, You Excell

Vision

"To impart necessary training to our students to meet the expectations of the Industry and to achieve 100% placement by providing them adequate job opportunities."

The Central Training and Placement Cell are committed to the professional progress of NEC students through integrating the career issues within an academic environment for realizing their best possible career path.

Mission

Mission of T&P cell is to provide opportunities for Industry oriented training to all students, impart appropriate training to students for making them Industry ready, guide them for higher studies & motivate them to become entrepreneur instead of job seekers.

About NEC TPC: Training & Placement Department is the most crucial part which plays an important role in providing opportunities to the student by arranging campus Interviews. In NEC, the TPC is highly supported by its teaching faculty of various departments.

SNO	COMPANY NAME	DATE	SELECTS	REMARKS	SALARY In Lakhs/annum
1	RINEX TECHNOLOGIES	03-jan-25	37	Results	2.8.LPA
2	Juspay	04-jan-25	2	Results	11..LPA
3	Pluginlive	10-jan-25	53	Results	2.16.LPA
4	Sutherland Global	10-jan-25	32	Results	2.4.LPA
5	Infosys	28-jan-25	2	Results	3.6.LPA
6	Taro pumps	01-feb-2025	5	Results	3.0.LPA
7	Cognizant	05-feb-2025	42	Results	4.0.LPA
8	Cadsys	06-feb-2025	20	Results	3.2.LPA
9	Logskim-Wheels India LTD	07-feb-2025	11	Results	2.16.LPA
10	Logskim – ZF Wabco	07-feb-2025	45	Results	2.28.LPA
11	Pentagon Space	17-feb-2025	9	Results	3.0.LPA
12	All Digi Tech LTD	10-apr-2025	50	Results	2.16.LPA
13	Conquer E-Learning	22-apr-2025	87	Results	2.4.LPA
14	NCR Atleos	23-apr-2025	23	Results	2.34.LPA
15	Policy Bazar	24-apr-2025	2	Results	4.5.LPA

TARO PUMPS



COGNIZANT



CADSYS



JUSPAY



SUTHERLAND



INFOSYS





DEPARTMENT OF PHYSICAL EDUCATION





D.Naganjali (22475A222) EEE
1st Place in Yoga Group Event
Organized by Vignan's Mahotsav -2025
From 06-02-2025 to 08-02-2025



D.Naganjali (22475A222) EEE
1st Place in Treditional Yoga Organized by
Vignan's Mahotsav -2025
Date : From 06-02-2025 to 08-02-2025



Ch. Maruthi Srinivasa Raju (23471A4308)
II CSE-AI
1st Place in Got Talent Event
Organized by Vignan's Mahotsav -2025
Date : From 06-02-2025 to 08-02-2025



NEC Cricket Team 2nd Place
Organized by Vignan's Mahotsav -2025
Date : From 06-02-2025 to 08-02-2025



NEC Kabaddi Team
NEC Jubilation 2K25 Kabaddi Men 2nd Palce
Date : From 10-02-2025 to 11-02-2025



NEC Cricket Team 1st Place
Organized by VIT A.P. - 2025
Date : From 14-02-2025 to 19-02-2025

College Events

28 Years Excellence

Sankranthi Sambaaralu on 7-1-2025



Jubilation 2k25 on 10-2-2025





Women's day on 8-3-2025

