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-I), NAAC with 'A+' Grade
NIRF Ranking (251-300 Band), An ISO 9001:2015 Certified Institution
Kotappakonda Road, Yallamanda (PO), Narasaraopet - 522601, Palnadu (Dist), Andhra Pradesh

PGECET - Code: NSPE | ICET - Code: NSPE

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Dear readers,

A Teacher is always a student who always updates his knowledge which suits to the present generation. He is an exemplary in character and knowledge to the students who always follow his right path. Therefore, in NEC Seminars, workshops, FDPS become common activities.

A three-day work-shop on Generative AI Leader Certification Program – 2026 on Introduction to Generative AI, Generative AI Developers & Leaders, is conducted from 26th, December 2025 to 29th December 2025. It is organized by the Departments of CSE, IT, CSE (AI), and CSE (AIML), in association with L4G Solutions Pvt. Ltd. The program aims to equip students with essential knowledge and leadership skills in Generative Artificial Intelligence, and it is participated in by all third-year students.

A One Week FDP on "Data Analytics Using PYTHON", by Mr. Sk. Abdul Khadar, Technology Lead Infosys, Organized by Dept: of ECE and IQAC in Association with IEEE, IETE, & ISTE from 15-12-2025 to 20-12-2025.

A Guest Lecture was conducted on "Quantum Computing" for II & III B.Tech. ECE students, by Mr. Karthiganesh Duari Founder & CEO, Kwantum G Research Labs Pvt Ltd. Bengaluru, on 19-12-2025.

An old adage says, "Love thy neighbour as thy self". The 05 Coy NCC unit of carried out a voluntary fund collection drive on on 08-12-2025. The cadets showed strong discipline and social responsibility through this activity. Palnadu District Collector received the funds and appreciated the cadets for their effort. She said tha their work showed kindness and commitment and they become a good example for other students. The NEC management team and the principals of NEC and NIPS also took part in this activity. They congratulated the cadets for their steady effort and support for the welfare of the Armed Forces. NEC salutes the 05 Coy NCC cadets and everyone who contributed with pride and respect on this important day.

NEC Family congratulates G. Nithin a student of III B.Tech CSC branch for securing the first prize(Cash Award) in the APSSDC Skill development Competition.

The indefatigable efforts of the staff, students and the management make NEC to stand as a platform for National level success.

----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 July – December 2025. The goal of the News Letter is to give updated information, related to Narasaraopeta Engineering College. A News Letter is like a mirror, reflects what is going on in the college.

I feel immensely happy and congratulate Mr. Shanmukha,Miss. K. Harshitha and K.V.Sai Bharath from Data Science, T. Naga Kalyan from IT and G.Chinmayi and Tanmayi from CSE for securing National victory at Smart India Hackathon 2025. NEC Students emerged as national winners at the grand finale and secured a cash prize. The winning team impressed the jury with an innovative software solution that blends Indian classical dance mudras with artificial intelligence. The team reflected strong creativity, technical skill. The team was appreciated by Palnadu District Collector Ms Kritika Shukla IAS, marking a memorable moment for the college.

NEC always committed to the idea of all-round development for the students.

Our NCC Cadet B. Poorna Sai Vinay Kumar (III-Btech, CSE-C, and Roll No-23471A05AQ) has been selected for the prestigious Indian Military Academy (IMA) National Training Camp to be held at Dehradun. This is a proudest achievement for entire NEC family.

I wish NEC Continuous to stand as a platform for National level success.

I Congratulate the Editorial board of this Newsletter 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.





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

LIGHTING-EMITTING CEMENT



Lighting-emitting cement is a new type of concrete that glows in the dark without electricity by absorbing light during the day and releasing it at night. This is achieved by modifying the cement's microstructure to allow light to penetrate and by adding phosphorescent additives or optical fibers. It has potential applications in roads, sidewalks, and decorative architectural elements, offering an energy-efficient and durable lighting solution.

STRAND RODS:



Strand rods are manufactured using carbon fibre composites in both synthetic and inorganic fibres and thermoplastic resin. It has been developed and tested in Japan to create a lightweight seismic reinforcement system. It is much lighter than metal rods of the same length and strength while being equally effective. As the lightest seismic reinforcement, it has high tensile strength and is also aesthetically pleasing. The first use of such material can be seen in the facade of Kengo Kuma's work for Komatsu Seiren's head office.

Faculty Focus

- Dr.P.Naga Sowjanya delivered Lecture on "Applications of Remote Sensing and GIS in civil Engineering "in Two -Day Workshop on Real
- Time Applications in Civil Engineering organized by ST. Ann's College of Engineering & Technology(A), Chirala on 11-12 August, 2025.

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



- Dr.P.Naga Sowjanya delivered Lecture on "Applications of Remote Sensing and GIS in civil Engineering "in Two -Day Workshop on Real Time Applications in Civil Engineering organized by ST. Ann's College of Engineering & Technology(A), Chirala on 11-12 August,2025.
- Dr.P.Naga Sowjanya published book chapter titled as "Integrating Static and Dynamic Risk Management for Enhanced Tunnel Construction Safety" in Recent Trends and Advances in Construction, Real Estate, Infrastructure and Project Management (CRIP) Sector (pp. 226-235) with ISBN No. 978-981-95-1945-3 ,Springer Publications.
- Dr.P.Naga Sowjanya published book titled as "AI in Geotechnical Engineering" with ISBN No. 978-93-6976-733-5 by Aqua Publications.

  Dr.P.Naga Sowjanya completed NPTEL Course in Sustainable Engineering concepts and Life Cycle Analysis with Elite status during July-September 2025.
- Dr.P.Naga Sowjanya completed NPTEL Course in Geographical information system with Elite status during July-October 2025.
- Dr.P.Naga Sowjanya completed NPTEL Course in Wastewater Treatment and Recycling with Elite status during July-October 2025.
- Mr.K.Anil completed NPTEL Course in Research Methodology during July-September 2025.

  Mr.K.Anil completed NPTEL Course in Engineering Geology during July-September 2025.
- Mrs. A.Lakshmi Prasanna completed NPTEL Course in Sustainable Engineering concepts and Life Cycle Analysis with Elite+Silver status during July-September 2025.
- Mrs. A.Lakshmi Prasanna completed NPTEL Course in Wastewater Treatment and Recycling with Elite status during July-October 2025.
- Mrs. A.Lakshmi Prasanna completed NPTEL Course in Integrated Waste management for a smart city with Elite status during July-October 2025.
- Mr.M.N.S.Sambasiva Rao completed NPTEL Course in Urban Utilities Planning: Water supply, Sanitation and Drainage with Elite+Silver status during July-September 2025.
- Mr.B.V.Sinivasa Rao completed NPTEL Course in Building Materials and Composites during July-September 2025.
- Mr.B.V.Sinivasa Rao completed NPTEL Course in Mechanics of Solids during July-October 2025.
- Mr.B.V.Sinivasa Rao completed NPTEL Course in Municipal Solid Waste Management during July-October 2025.

Conferences/ Webinars/ Seminars/ Workshops/FDPs attended:

- Dr.P.Naga Sowjanya attended Five days FDP on "Innovations in wastewater treatment: Harnessing Natural adsorbents for Sustainable Solutions" from November 10-14,2025 organized by MITS, Madanapalle.
- Dr.P.Naga Sowjanya attended 8 Weeks FDP on Sustainable Engineering concepts and Life Cycle Analysis during July-September 2025.
- Dr.P.Naga Sowjanya attended 12 Weeks FDP on Geographical information system during July-September 2025.
- Dr.P.Naga Sowjanya attended 12 Weeks FDP on Wastewater Treatment and Recycling during July-September 2025.
- K.Anil kumar attended 5 Days ATAL FDP on "Disaster Management and Resilient Infrastructure" organized by Chalapathi Institute of Technology during 10/11/2025 to 15/11/2025.
- N.M.Subhani attended 5 Days ATAL FDP on "Disaster Management and Resilient Infrastructure" organized by Chalapathi Institute of Technology during 10/11/2025 to 15/11/2025.
- Mr.M.N.S.Sambasiva Rao attended 12 Weeks FDP on Utilities Planning: Water supply, Sanitation and Drainage during July-September 2025.
- Mr.M.N.S.Sambasiva Rao attended National Seminar on Empowering India's Research Future from 9-7-2025 to 10-7-2025 organised by ESCI, Gachibowli,Hyderabad.
- Mr.M.N.S.Sambasiva Rao attended Five days FDP on "Innovations in wastewater treatment: Harnessing Natural adsorbents for Sustainable Solutions" from November 10-14,2025 organized by MITS, Madanapalle.

- Mrs. A.Lakshmi Prasanna attended 8 Weeks FDP on Wastewater Treatment and Recycling during July-September 2025.
- Mrs. A.Lakshmi Prasanna attended 12 Weeks FDP on Integrated Waste management for a smart city during July-October 2025.
- Mrs. A.Lakshmi Prasanna attended 12 Weeks FDP on Sustainable Engineering concepts and Life Cycle Analysis during July- October 2025.
- Mrs.A.Lakshmi Prasanna attended Five days FDP on "Innovations in wastewater treatment: Harnessing Natural adsorbents for Sustainable Solutions" from November 10-14,2025 organized by MITS, Madanapalle.
- Mr.Sk.Sydha attended Five days FDP on "Innovations in wastewater treatment: Harnessing Natural adsorbents for Sustainable Solutions" from November 10-14,2025 organized by MITS, Madanapalle.
- Mr.B.V.Srinivasa Rao attended Five days FDP on "Innovations in wastewater treatment: Harnessing Natural adsorbents for Sustainable Solutions" from November 10-14,2025 organized by MITS, Madanapalle.
- Mr.B.V.Srinivasa Rao attended 8 Weeks FDP on Building Materials and Composites during July-September 2025.
- Mr.B.V.Srinivasa Rao attended 12 Weeks FDP on Mechanics of Solids during July- October 2025.
- Mr.B.V.Srinivasa Rao attended 12 Weeks FDP on Municipal Solid Waste Management during July- October 2025.
- Mr.N.M.Subhani presented paper titled as "Assessment of Strength Properties of Concrete Containing Calcium Carbonate Powder as Partial Replacement of Cement" in 17th International Conference on Material Processing and Characterization organized by Curtin University,Malaysia on 27-29 th November,2025.
- Mr.N.M.Subhani presented paper titled as "properties of concrete with eggshell powder as cement replacement" in 17th International Conference on Material Processing and Characterization organized by Curtin University,Malaysia on 27-29 th November,2025.
- Mrs. A.Lakshmi Prasanna presented paper titled as "Innovative Infrastructure: Harnessing C&D Waste in Rigid Pavement Performance" in 17th International Conference on Material Processing and Characterization organized by Curtin University,Malaysia on 27-29 th November,2025.
- Mr.SK.Sydha presented paper titled as "Study on concrete with partial replacement of cement by rice husk ash" in 17th International Conference on Material Processing and Characterization organized by Curtin University,Malaysia on 27-29th November,2025.

Student focus

- Mrs.B.N.V.Jyothi,PG Scholar has successfully participated &completed ATAL FDP on "Disaster Management and Resilient Infrastructure (Strategies, Technologies and Innovations) at Chalapathi Institute of Technology from 10/11/2025 to 15/11/2025.
- Mrs.B.N.V.Jyothi,PG Scholar has successfully participated FDP on "Five days FDP on "Innovations in wastewater treatment: Harnessing Natural adsorbents for Sustainable Solutions"at MITS, Madanapalle from 10/11/2025 to 14/11/2025.
- M.Ashok (21471A0128) presented paper titled as "Analysis of Groundwater quality in the vicinity of Gundlakamma river" in DIET International Conference organized by DIET collaboration with VR EDUCARE on 19-20th September,2025.
- N.Lokesh (22475A0127) presented paper titled as "Morphometric Analysis & Flood Management using HEC-HMS model on Penna River Basin" in 3rd International Conference on Smart Sustainable Cities (ICSSC) organized by VRSEC,Vijayawada on 27-28th November,2025.



- Ch.Chiranjeevi (22475A0104) presented paper titled as "An Experimental Study on Sulphate on Cement Properties" in 3rd International Conference on Smart Sustainable Cities (ICSSC) organized by VRSEC,Vijayawada on 27-28th November,2025.
- D.Meramma (21471A0106) presented paper titled as "Utilization of recycle coarse Aggregates in porous concrete pavement" in 3rd International Conference on Smart Sustainable Cities (ICSSC) organized by VRSEC, Vijayawada on 27-28th November,2025.
- Mr.P.Lokesh(23475A0106) & Mr.SK.Hussain vali (23475A0106) secured first prize in the event of Aakrithik (Model Making) organized at Civil Varna-2K25, RVR&JC college of Engineering held on 26-12-2025.
- Mr.D.Jeevan kumar (22471A0102) secured third prize in the event of Samsodhana(Paper presentation) organized at Civil Varna-2K25, RVR&JC college of Engineering held on 26-12-2025.





- N. Lokesh(22475A0127) and P.V.S. Lakshman (22475A0105) got placed in Modelyze Labs AI.

Important Activities held in the Department

- Civil Engineering Department organized the Engineers Day event on the occasion of Sir M.Viseswarayya garu on his birth Anniversary on 15-9-2025.





- In collaboration with CPLR, Chennai, the Civil Engineering Department of Narasaraopeta Engineering College, Narasaraopet organizing a two-week workshop on "REVIT & PRIMAVERA" from 8th September to 20th September,2025.

Alumni talk

Ajay Kumar.G (19471A0103), Assistant Site Engineer, JoshithaInfratech Pvt. Limited, Hyderabad. shared his work experience to II-, II- & IV-year students on 12 August,2025.



Academic toppers

III, II B. Tech students who stood top in their Academic Semester exams.





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 for 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.

S. Murali,
Regd No.12471A0102,
Data Technician,
Publicis Global Delivery,
Hyderabad.



Student's Voice



T.Yohanu,
Regd. No.23475A0102,
IV B. Tech

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.

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 infrastructure to meet the needs of industry and Society.
- To assimilate innovation and research oriented culture to make successful professionals and entrepreneurs.
- To encourage lifelong learning with ethics among the students so as to make them as responsible individuals

Curtailment and Reliability Trade-offs

To ensure frequency security, system operators may be forced to curtail renewable generation or activate UFLS, both of which are undesirable. Curtailment limits RES integration and increases operational costs, while UFLS reduces supply reliability.

Advanced Frequency Support Mechanisms

Fast Frequency Response (FFR) technologies—often delivered by battery energy storage systems (BESS) or advanced inverter controls—are emerging as critical solutions. FFR can inject power within seconds of a disturbance, mitigating the frequency Nadir (minimum point) and reducing the need for load shedding or renewable curtailment.

Control and Planning Innovations

The Sustainable Power Systems Lab, in collaboration with international partners, is at the forefront of research into advanced control, operation, and planning methods for low-inertia grids. This includes:

- Comparative analysis and implementation of FFR controllers to optimize frequency support and minimize security risks.
- Development of data-driven, gradient-descent-based algorithms for optimal FFR sizing, enabling operators to meet frequency Nadir targets with minimal computational effort and investment.
- Integration of dynamic security assessment (DSA) and scenario-based planning to ensure robust operation across a wide range of real-world conditions.

ARTIFICIAL INTELLIGENCE IN POWER SYSTEM PROTECTION AND CONTROL



Artificial Intelligence (AI) in power system protection and control enhances grid reliability, efficiency, and resilience by using techniques like Neural Networks and Fuzzy Logic for faster, more accurate fault detection, adaptive protection, optimized power flow, and self-healing capabilities, moving towards autonomous grid management with improved decision-making and adaptability to complex, dynamic conditions. AI improves selectivity, sensitivity, and speed, enabling proactive responses to disturbances and better integration of renewables, crucial for modern smart grids.

- **Fault Detection & Classification:** AI algorithms can quickly identify, classify (e.g., internal vs. external), and locate faults, even with noisy data, improving on traditional methods.
- **Adaptive Protection:** Relays can adjust settings in real-time based on changing grid conditions, unlike static conventional settings.
- **Optimized Control:** AI optimizes power flow, voltage regulation, and load management, reducing losses and preventing blackouts.
- **Predictive Maintenance:** AI monitors equipment health to predict failures, allowing for proactive maintenance.
- **Self-Healing Grids:** AI enables rapid isolation of faults and rerouting of power, creating resilient, autonomous systems.

CORE AI TECHNIQUES USED:

- **Artificial Neural Networks (ANNs):** Excellent for pattern recognition and learning complex relationships in power system data, offering fast, robust, and adaptive solutions.
- **Fuzzy Logic (FL):** Handles uncertainties and incomplete data, enabling intelligent decision-making in complex scenarios.
- **Expert Systems (XPSs):** Mimic human expert knowledge for reasoning and problem-solving.
- **Machine Learning (ML):** Used for predictive analytics, demand forecasting, and data-driven control strategies.
- **Challenges:** Ensuring reliability, security, and speed, plus validation and testing of AI models for critical infrastructure.
- **Future:** Moving towards fully autonomous grids with advanced self-healing and microgrid management, driven by big data and continuous learning

FACULTYFOCUS

FDPsAttended:

- Mr. Dr.Sk.Md. Shareef, has successfully participated in the oral presentation during 17th international conference on material processing and Characterization with the presentation title of "Enhancing performance of electric materials by regulating their properties via Hot Isostatic Pressing" held during 27-29 November 2025 at Imperial Hotel Miri, Sarawak, Malaysia.





- EEE Dept Faculty Mr. Madaka chandra sekhar of narasaraopeta engineering college, narasaraopet attended the INAE-INFOSYS CEEE mentoring program in Domain 2 (Electrical, Electronics and Instrumentation Engineering) held at Indian Institute of Technology Kharagpur from 16-Jun-2025 to 27-Jun-2025.



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EEE Dept Faculty Mr. PDVSK Kishore of narasaraopeta engineering college, narasaraopet has successfully completed AICTE QIP PG Certificate Programme held at Visvesvaraya national institute of technology Nagpur during July 2025.
- The EEE department faculty members successfully completed their online courses organized by SWAYAM NPTEL online portal initiated by 7 IITs including IISc to provide quality education to anyone interested in learning.

S.No.	Name of the Faculty	Course registered	No. of Weeks	%
1	Dr. SK MD SHAREEF	Artificial Intelligence: Concepts and Techniques	12 Weeks	73
2	Mr. P.D.V.S.K.Kishore	Advanced R Programming for Data Analytics in Businces	12 Weeks	57
3	Mr. M. Chandra Sekhar	Accreditation and Outcome Based Learning	8 Weeks	75







- The EEE department 11 faculty members successfully completed AICTE Training and Learning Academy Faculty Development Program on "Emerging trends and future prospects in advanced energy conversion technologies and applications" held during November 10-15, 2025 an online FDP organized by the Department of Electrical & Electronics Engineering, Vishnu institute of Technology.



WORKSHOP PROGRAM

- The department of EEE Organized one week workshop on "Innovative idea contest" in Association with IIC, EDC, ISTE & IEEE on 13-08-2025



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





The Department of EEE NARASARAOPETA ENGINEERING COLLEGE (Autonomous), NARASARAOPET held a practical training program with hands-on experience on Electrical Auto cad from August 18 to August 30, 2025, in association HIEE EMPOWERING ENGINEERS PVT LTD (HIEE)









The NEC College Organized one day carrier guidance programme on "UPSC CSE GS PCM-2026" prelims cum mains in Association with ARK Reflections IAS on 23-12-2025.





Student Focus

The EEE department students successfully completed their online courses organized by SWAYAM NPTEL online portal initiated by 7 IITs including IISc to provide quality education to anyone interested in learning.

Year& Sem	Title	Course Duration	No. of Students Completed
IV-II	Introduction to Internet of Things	October 2025	04
III-II	Introduction to Semiconductor Devices	October 2025	05
	Developing Soft Skills and Personality	October 2025	05
	Introduction to Internet of Things	October 2025	13
	Metallurgical and Electronic Waste Recycling	October 2025	01
	Robotics	October 2025	01
	Introduction to Operating Systems	October 2023	01





AICTE -PARAKH

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





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

STUDENT ACHIEVEMENTS:

VIDYUT TARANG GOT TALENT

- III B.Tech students participated in vidyut tarang event conducted in RVR&JC engineering college got Excellence award for their performance in that event. Secured 3rd Prize (1000Rs. Cash Prize + Memento + Certificate) in the Event of Amp- Architect organised at Vidyut Tarang-2k25 , R.V.R.&J.C.College of Engineering held on 26-12-2025 .
  1. Mr. K.Janardhan Babu * -24475A0202
  2. Mr. P.Venkata Chandu -24475A0210





- Department of EEE III B.Tech students exhibiting Startup Business Products at National IP Yatra 2025 – (Two-Day National Level Programme on IPR) Guntur.
  1. Line breakage detection system by Kolagani.Janardhan babu (24475A0202)
  2. Timeline driven dynamic vehicle speed control system for next generation by Kota.Sai manikanta (24475A0222)



ACADEMIC TOPPERS:

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



II–B.Tech II–SEM



III–B.Tech II–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 III EEE students are visited Nagarjuna Sagar Right Canal Power House located in Nagarjuna Sagar, on 02-08-2025.







As part of co-curricular activities, the Department of EEE organised an industrial visit for the 23rd Batch of III B.Tech EEE students Nagarjuna Sagar Right Canal Power House located in Nagarjuna Sagar, on 02-08-2025.

PLACEMENTS:

- 6 Students of IV-EEE are placed in BRAKES INDIA PRIVATE LIMITED with a package of 3 LPA on 25-10-2025.
- 1 Students of IV-EEE is placed in SAVANTIS, with a package of 4.LPA on 05 -11 -2025.
- 7 Students of IV-EEE are placed LSAUTOMOTIVES With a package of 4 LPA on 11-12-2025.
- 5 Students of IV-EEE are placed in ITC LTD With a package of 4 LPA on 22-10-2025
- 7 Student of IV-EEE are placed in RINEX TECHNOLOGIES with a package of 4 LPA on 22-11-2025.
- 3 Students of IV-EEE are placed in TAROPUMPS, with a package of 4.2LPA on 05-12-2025.
- 2 Student s of IV-EEE are placed in PENTAGON SPACE with a package of 4 LPA on 25-10-2025..
- 5 Students of IV-EEE are placed in PLUGINLIVE With a package of 4 LPA on05-12-2025
- 2 Students of IV-EEE are placed in ALLDIGI TECH LTD With a package of 4 LPA on 25-10-2025.

ALUMNI VOICE:

- 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.



21471A0210
Trainee Engineer

STUDENT'SVOICE:

I am proud to be part of NEC, the college not only imparts knowledge but also in stills life skills in us to make 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.



25475A0222
II EEE

DEPARTMENT OF MECHANICAL ENGINEERING

WE BUILD MACHINES THAT BUILD NATION

Vision

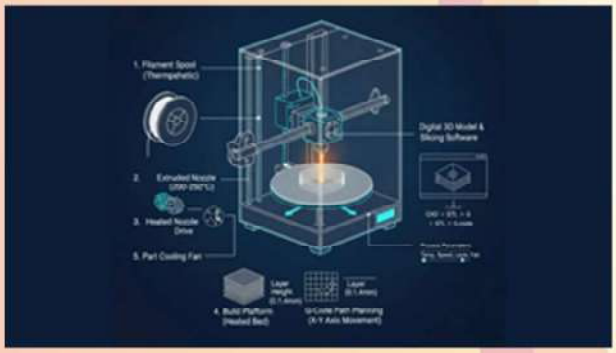
- To strive for making competent mechanical engineering Professionals to cater the real time needs of Industry and Research Organizations of high repute with entrepreneurial skills and ethical values.

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:
3D Printing Technology

- 3D printing (Additive Manufacturing) builds objects layer by layer from a digital model.
- Enables complex geometries that are hard or impossible with traditional manufacturing.
- Used for rapid prototyping, reducing design and development time.
- Produces lightweight, strong, and optimized parts, especially for aerospace & automotive.
- Reduces material waste and supports sustainable manufacturing.
- Allows customization, useful in medical implants, prosthetics, and consumer products.
- Includes advanced methods like metal 3D printing, resin printing, and powder-bed fusion.
- Emerging innovations include 4D printing, bioprinting, multi-material printing, and large-scale



FACULTY FOCUS:
FACULTY PUBLICATIONS:
FACULTYACHIEVEMENTS:

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

Dr. B. Venkata Siva, Professor HOD - ME, attended acted a Chair Person in ASME SLT Andhra and Telangana state at HICC Hyderabad, from 12/09/2025 to 13/09/2025.





Dr.S.Venkateswarlu Principal NEC, Dr. D.Suneel DEAN R& D and Dr.B.Venkata siva, HOD ME, visited AMTZ visakhapatnam to identify the research collaborations for the benefit of students and Faculty on 6-11-2025.

- Sunil Donthamsetty, Vice Principal NEC presented research paper "Development of A Low- Cost Apparatus to Measure Thermal Conductivity of Metallic and Composite Samples", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- Dr.B.Venkata siva, HOD-ME, attended and presented research papers "Prediction of Material Selection Using AIML", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025
- Dr.B.Venkata siva, HOD-ME, attended and presented research papers "Synthesis an Characterization of Stir Casted Al 2024-Sic Metal Matrix Composites", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 2 Mendi Venkannababu, Associate Professor presented and got silver medal for his research paper(online mode) title "Preparation and Analysis of Multi Gripper Prosthetic Hand Using Acrylonitrile Butadiene Styrene Material" in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025. 7/11/2025 to 29/11/2025.
- Sekhar Chinthamreddy, Associate Professor presented research paper(online mode) title "Design and Fabrication of Radio-Controlled Plane by Using Foam Sheet Materials" in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- K.Kiran Chand, Associate Professor presented research paper(online mode) title "Comparative structural analysis of Grey Cast Iron and Structural Steel on flywheel" in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- Mandula Venkaiah, Associate Professor presented research paper(online mode) title "Analysis of Steering System by using Steel, cast iron, and aluminium alloy materials" in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- Thella Ashok Kumar, Assistant Professor presented research paper(online mode) title "Design and Fabrication of 3D Printed Drone by Using Biodegradable Material", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- D.Raghavendra, Assistant Professor presented research paper(online mode) title "Printing Optimization of Properties of 3D Printer Abs Material by L9 Orthogonal Array Method", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- Kandru John Babu, Assistant Professor presented research paper(online mode) title "Comparison of structural analysis of suspension system for vehicles with two wheels for Structural steel, Titanium alloy, Beryllium copper materials by Using FEA", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- P.Sravani, Assistant Professor presented research paper(online mode) title "Effect of Titanium Oxide Nano Lubrication on the Performance of VCR system", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025. P.Srinivasa Rao
- P.Srinivasa Rao, Assistant Professor presented research paper(online mode) title "Optimizing the Composition of Gypsum Powder and Birla White for the Development of Dustless Chalk Pieces", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.
- Meghavau Mothilal Naik, Assistant Professor presented research paper(online mode) title "Modelling and Analysis of 2- Wheeler Piston with Granite Particles Reinforced a 356 Metal Matrix Composites", in 17-ICMP-2025 Conference held Imperial Hotel Miri, Sarawak, Malaysia from 27/11/2025 to 29/11/2025.

FACULTY CERTIFICATIONS:



- Dr.P.Suresh babu, Associate Professor received Academic Excellence Award for outstanding performance BCME Subject on Teachers day.
- Mr.M.Venkai Assistant professor received "Academic Excellence Award", on the eve of Teachers day for BCME subject.
- Mr.CH.Sekhar, Associate Professor received "Academic Excellence Award", on the eve of Teachers day for BCME subject.
- Dr. Venkata Siva Bathula, Professor HOD-ME, Mechanical Engineering,has successfully completed Programme AICTE QIP PG Certificate Programme in Robotics and Artificial Intelligence conducted during June, 2025 to Dec, 2025.





- Dr.P.Suresh babu , Associate Professor Attended to OAK Jubilee Workshop from 17-07-2025 to 18-07-2025 at JNTUK, Kakinada.

DEPARTMENT ACTIVITIES:



- Mechanical Engineering Department has Organized "Teachers Day Celebrations", by Honorable Chairman Sri Mittapalli Koteswararo Garu and Principal Dr.S.Venkateswarlu on 04/09/2025.
- Department of Mechanical Engineering is organized A IINOVATIVE IDEA CONTEST on the eve of INNOVATION DAY 11-10-25 in Association with IQAC, ASME, IE, ISTE, EDC & IIC total of 28 batches participated in this contest.







- Department has organized campus drive for Final year students , seven students selected in AEGIS Digital Networks Private Limited P.No. 815, BVL Complex, Sri Ayyappa Society, Madhapur (Moosapet), K.V. Rangareddy, Telangana 500018, India.

MOUs:

S.No.	Details	Date	Period of validity	Nature of MOU
1	Curtin University	Nov-2025	5 years	Academia
2	GRIET,HYDERABAD	18-11-2025	5 years	Academia

Following are the proofs of MOU'S









STUDENT FOCUS:
STUDENT CERTIFICATIONSPARTICIPATIONS IN WORKSHOPS / CONFERENCES/NSS PROGRAMS:
STUDENT CERTIFICATIONS:

- Two teams from III & IV B.Tech Mechanical Engineering, NEC Students qualified for FINAL Round of Brain Bolt - The Engineers Sprint at IMECE India 2025-American Society of Mechanical Engineering (ASME). At HICC, Hyderabad.
- Two teams from III & IV B.Tech Mechanical Engineering, NEC Students qualified for FINAL Round of Brain Bolt - The Engineers Sprint at IMECE India 2025-American Society of Mechanical Engineering (ASME). At HICC, Hyderabad.





Department of Mechanical Engineering students(two teams) participated in IGNITE workshop from 17/10/2025 to18/10/2025 organized at Tech hub , Narasaraopeta Engineering college.

IGNITE WORKSHOP
2 Day Workshop on Innovation, Intrepreneurship &Startup
17th and 18th October 2025

Team No.	Team-18
Team Leader Name	GADDAM MAHESH BABU
Roll Number	24475A0305
Mobile Number	6309431779
Course	ME
YEAR	3
Team Member Name-2	G.NANI
Roll Number	24475A0327
Course	ME
Year	3
Mobile Number	6305190620
Team Member Name-3	S.H.S. SHARAN
Roll Number	25475A0309
Course	ME
Year	2
Mobile Number	9014943780
Team Member Name-4	M.DEMUDU
Roll Number	23475A0310
Course	ME
Year	2

IGNITE WORKSHOP
2 Day Workshop on Innovation, Intrepreneurship &Startup
17th and 18th October 2025

Team No.	Team 26
Team Leader Name	UYYALA ABINASH
Roll Number	23471A0307
Mobile Number	9059024824
Course	ME
YEAR	3
Team Member Name-2	MUKKALA RAVI TEJA
Roll Number	24475A0320
Course	ME
Year	3
Mobile Number	7569965237
Team Member Name-3	YARRA RAMI REDDY
Roll Number	25475A0312
Course	ME
Year	2
Mobile Number	8639021221
Team Member Name-4	SHAIK MOHAMMAD MAKTHUM
Roll Number	24414A0321
Course	ME
Year	2

- III B.Tech Mechanical Engineering student R. Nani Naik -24475A0302 Secured 1st Prize (2000Rs Cash Prize + Memento + Certificate) in the Event of Paper Presentation organised at SAMKALP-2025 , Kallam Haranadhareddy Institute of Technology held on 19-12-2025.





- III B.Tech Mechanical Engineering students 1. Mr. P. poorna Vishnu Vardhan -23471A0303 and . Mr. G. Mahesh -24471A0305 Secured 2nd Prize (1000Rs Cash Prize + Memento + Certificate) in the Event of Technical Quiz organised at SAMKALP-2025 , Kallam Haranadhareddy Institute of Technology held on 19-12-2025 .

ALUMNI TALK:

- Department has organized Alumni talk to final year students on "Career Guidance", on 07/10/2025, For this program Mr Balaji Guptha Gopu, Senior Systems Engineer, Infosys Ltd Hyd acted as a Resource person.



INDUSTRIAL VISITS:

CAMPUS PLACEMENTS:

- Three students from final year selected in Niehoff of India Pvt Ltd Telangana, India. In campus drive.

Roll Number	Name of the Student	Company	Package
22471A0305	KOSURI TANUJ	TVS BRAKES	3
23475A0301	JAGARLAMUDI RAJA VASANTH	TVS BRAKES	3
23475A0304	SHAIK NOORULLA	TVS BRAKES	3
23475A0305	MAROTHU TEJOPATHI SASIDHARA RAO	TVS BRAKES	3
23475A0310	VELLANKI HARSHA VARDHAN	TVS BRAKES	3
23475A0314	VANA BHARGAV	TVS BRAKES	3
23475A0315	BOKA SHIVAJI	TVS BRAKES	3
23475A0317	NURUKURTHI NAVEEN SRI KRISHNA	TVS BRAKES	3
23475A0320	PERADA MANIKANTA	TVS BRAKES	3
23475A0322	NIRUJOGI VINOD KUAMR	TVS BRAKES	3
23475A0323	SONTI VENKATA GOPI	TVS BRAKES	3
23475A0324	JILLELAMUDI BRAHMAIAH	TVS BRAKES	3
23475A0331	DANNAVARAPU RAMANJANEYULU .	TVS BRAKES	3
23475A0332	GONTINA RAMESH	TVS BRAKES	3
23475A0302	PAILA SURYANARAYANA	TVS BRAKES	3
23475A0309	AMBATIPUDI VIJAY KUMAR	TVS BRAKES	3
23475A0316	GOLI LOKSAI	TVS BRAKES	3
23475A0318	PALLI SAI KIRAN	TVS BRAKES	3
23475A0321	VEMULA SANTHI KUMAR	TVS BRAKES	3
23475A0336	GOTTAM KARTHIK .	TVS BRAKES	3
23475A0307	KOYA NAGA PHANINDRA	LS AutomotiveIndia PVT LTD	3
23475A0311	BOJJA VENKATA KOTESWARA RAO	LS AutomotiveIndia PVT LTD	3
23475A0326	MITTAPALLI V S V PAVAN KUMAR	LS AutomotiveIndia PVT LTD	3
23475A0313	KOTTE KOTESWARA RAO	Niehoff India PVT LTD	3.2
23475A0328	PINDI AJAY BABU	Niehoff India PVT LTD	3.2
23475A0321	VEMULA SANTHI KUMAR	Niehoff India PVT LTD	3.2
23475A0309	AMBATIPUDI VIJAY KUMAR	Niehoff India PVT LTD	3.2
23475A0327	GARNEPUDI PUSHPAKAJ	TIMKEN AND RESEARCH ENGINEERING	3
23475A0302	PAILA SURYANARAYANA	TIMKEN AND RESEARCH ENGINEERING	3
23475A0316	GOLI LOKSAI	TIMKEN AND RESEARCH ENGINEERING	3
23475A0318	PALLI SAI KIRAN	TIMKEN AND RESEARCH ENGINEERING	3
23475A0334	GUTHA ANAND BABU .	TIMKEN AND RESEARCH ENGINEERING	3
23475A0336	GOTTAM KARTHIK .	TIMKEN AND RESEARCH ENGINEERING	3
23475A0349	GUTHA ANAND BABU .	SAVANTIS SOLUTIONS	2





Academic Toppers





ALUMNI VOICE:



I am a proud alumna of Narasaraopeta Engineering College (Autonomous), NRT, from the Mechanical Engineering department. My time at NEC helped me build strong technical knowledge along with practical skills through well-equipped labs, projects, and internships. The faculty were supportive and always encouraged me to grow academically and personally. NEC also provided opportunities to improve communication, leadership, and teamwork through various activities and events. Overall, the college played a key role in shaping my confidence and preparing me for my professional career.

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

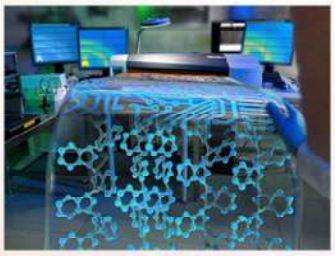
M1: To provide the best infrastructure for empowering the students with quality education to motivate them towards higher studies and research.

M2: To provide qualified and experienced faculty for student-centric teaching in order to mould the students as successful professionals in the modern Electronics industry.

M3: To inculcate leadership qualities, professional etiquette, ethical values, and social responsibilities.

Modern Trends in Technology

ORGANIC ELECTRONICS



- Compared to conventional inorganic electronics, organic electronics have many advantages. They are low-cost, lightweight, flexible, indissoluble, optically clear, and efficient with energy use. Also, manufacturers are using organic electronics. An awareness of eco-friendly production and sustainable development is increasing. The next trend in electronics is to design circuits with microbiological components.
- It's also to create gadgets from recyclable, biodegradable materials. Utilizing organic materials in electronics manufacturing also makes it possible to use raw materials less, safely, and more easily. Consequently, it gives businesses new business opportunities and a long-term edge over their competitors.

QUANTUM COMPUTING



- Using the principles of quantum mechanics, quantum computers can process data exponentially more quickly than classical computers for certain jobs. This year, we'll witness the use of quantum computing in fields like drug discovery, where it speeds up the process by precisely recreating molecular structures, and cryptography, where it may be able to penetrate currently secure protocols.
- Quantum computing is a revolutionary field using quantum mechanics (like superposition and entanglement) to perform calculations, enabling quantum computers to solve complex problems exponentially faster than classical computers, especially in areas like drug discovery, AI, and cryptography, by processing vast possibilities simultaneously with quantum bits (qubits) instead of classical bits (0s and 1s).
- Quantum computers can be viewed as sampling from quantum systems that evolve in ways that may be described as operating on an enormous number of possibilities simultaneously, though still subject to strict computational constraints. By contrast, ordinary ("classical") computers operate according to deterministic rules. (A classical computer can, in principle, be replicated by a classical mechanical device, with only a simple multiple of time cost.

FACULTY FOCUS

Awards

Dr. Y. Jai Pal Reddy has contributed as Reviewer in 5th International Conference on "Advancement in Electronics and Communication Engineering (AECE-2025)", from 21-11-25 to 22-11-25 jointly Organized by Dept: of ECE and CSE, Raj Kumar Goel Institute Of Technology, Ghaziabad, UP, India.



• Dr. Sk. Ebraheem Khaleelulla, Dr. B. Suneetha, Mr. P. Jaya Babu, Mrs. P. Vinuthna has got Certificate of Appreciation for being recognized as NPTEL DISCIPLINE STAR during JULY-OCTOBER 2025.



Faculty Publications

1. Dr. Y. V. Lakshmaiah, has Published a Paper On "Photobol-taic Performance Of Lead- Free CS2AgBiBr6 Solar Cell with Low Cost CuSCN as HTL from SCAPS imulation" on 13-07-25, in the Journal of Transactions on Electrical and Electronic Materi-als.





2. Dr. Y. V. Lakashmaiah, Dr. V. Venkata Rao, has published a paper on "Design and Develop-ment of a Synchronous Dual-Band Patch Antenna With Enhanced Bandwidth Using Defective Ground Structure (DGS) Technique", at Interna-tional Conference on Advance-ments in Sustainable Energy, Materials and Manufacturing Technology.

• Dr. Y. V. Lakshmaiah, Mr. Ch. Adi Babu, Mr. Sk. Md. Shreef and Mr. P. Jaya Babu, has successfilly completed a NPTEL Course On "Introduction to industry 4.0 and IoT", "Artificial Intelligence: Concepts and Techniques" during JULY- OCTOBER 2025



• Dr. B. Suneetha and Dr. Sk. Ebraheem Khaleelulla, has successfilly completed a NPTEL- Courses On "Deep Learning – IIT Roapar", during JULY- OCTOBER 2025'



• Dr. K. Raju and Dr. J. Brahmaiah Naik has successfilly completed a NPTEL- Courses On "Cloud Computing", during JULY- OCTOBER 2025.



• Dr. K. Raju and Dr. J. Brahmaiah Naik has successfilly completed a NPTEL- Courses On "Cloud Computing", during JULY- OCTOBER 2025.



• Dr. V. Venkata Rao has successfully completed a NPTEL Course On "Accreditation and Outcome Based Learning" during AUG- OCTOBER 2025



• Dr. Y. Jai Pal Reddy has successfully completed a NPTEL- Course and NPTEL- AICTE FDP On "Cyber Security and Privacy", during JULY- OCTOBER 2025



• Mr. G. D. Sundara Rao has successfully completed a NPTEL- Course and NPTEL- AICTE FDP On "Introduction to industry 4.0 and IoT", during JULY- OCTOBER 2025.





• Dr. Sk. Ebraheem Khaleelulla, has successfilly completed a NPTEL- Courses On "Programming Data Structures and Algorithms using Python " "Introduction to Large Language Models (LLMs)", during JULY- OCTOBER 2025



• Dr. Y. V. Lakshmaiah, Mr. Ch. Adi Babu, Mr. Sk. Md. Shreef and Mr. P. Jaya Babu, has successfilly completed a NPTEL Course On "Introduction to industry 4.0 and IoT", "Artificial Intelligence: Concepts and Techniques" during JULY-OCTOBER 2025



• Dr. B. Suneetha and Dr. Sk. Ebraheem Khaleelulla, has successfilly completed a NPTEL- Courses On "Deep Learning – IIT Roapar", during JULY- OCTOBER 2025'



• Dr. K. Raju and Dr. J. Brahmaiah Naik has successfilly completed a NPTEL-Courses On "Cloud Computing", during JULY- OCTOBER 2025.



• Dr. K. Raju and Dr. J. Brahmaiah Naik has successfilly completed a NPTEL-Courses On "Cloud Computing", during JULY- OCTOBER 2025.



• Dr. V. Venkata Rao has successfully completed a NPTEL Course On "Accreditation and Outcome Based Learning" during AUG-OCTOBER 2025



• Dr. Y. Jai Pal Reddy has successfully completed a NPTEL- Course and NPTEL- AICTE FDP On "Cyber Security and Privacy", during JULY- OCTOBER 2025



• Mr. G. D. Sundara Rao has successfully completed a NPTEL-Course and NPTEL- AICTE FDP On "Introduction to industry 4.0 and IoT", during JULY- OCTOBER 2025.





"Introduction to Machine Learning", during JULY- OCTOBER 2025.



• Mr. K. Peda Raju and Mrs. P. Vinuthna has participated in International Webinar on "Plasma- Based Nanotechnology and Biological Applications" on 18-11-2025, conducted by NITTTR Chandigarh.



FDPS ATTENDED BY OUR FACULTY MEMBERS

1. Dr. V. Venkata Rao, Dr. Md. Javeed Ahammed, Dr. B. Suneetha, Dr. Sk. Nannu Saheb, Dr. Y. V. Lakshamaiah, Mr. A. Raveendra Babu, Mr. Ch. Adi Babu, Mr. B. Nagaiah, Mr. G. S. J. Victor, Mr. K. Peda Raju, Mr. P. Jaya Babu, Mr. P. S. S. Chakravarthy, Mr. Sk. Md. Shareef, Mrs. G. Rajavali, Mrs. P. Vinuthna, Mrs. T. Indira, Mr. J. Narasimha Rao, Mr. Ch. Seshu Kumar has attended a FDP On "Emerging Trends in VLSI for IoT Applications", Organized by Dept. Of ECE, Skill Desire In Collaboration with AICTE, from 23-06-25 to 28-06-25



2. Dr. SK Ebraheem Khaleelulla & Y. V. Lakshmaiah, has actively participated in the National Seminar on "Empowering India's Research Future", Held on 09-07-25 and 10-07-25 at Engineering Staff College of India(ESCI) Hyderabad, Organized by Research Heights Foundation.



3. Dr. B. Suneetha, Dr. Y. Jaipal Reddy, Dr. K. Raju, Dr. Y. V. Lakshmaiah, Mr. A. Raveendra Babu, Mrs. G. Rajavali, has attended a Six Day AICTE ATAL FDP on "Emerging Technologies in Wireless Communications", Organized by Dept : Of ECE, Narasaraopeta Engineering College, From 14-07-25 to 19-07-25.

4. Dr. Y. Jai Pal Reddy has Participated in the 6 Day National Level FDP on "Re-Configurable and Compact Antennas: Enabling Real-Time Solutions in Wearable and Healthcare Technologies", Conducted by Dept: of ECE in Association with IEEE MTTS, IIC, Rajalakshmi Engineering College, Chennai, from 21-07-025 to 26-07-2025





5. Dr. B Siva Nageswara Rao has participated in FDP on "Quantum Computing", Organized by RAIT, DY Deemed to be University, NHCE, KIIT University in collaboration with ExcelR Edtech Pvt. Ltd. From 11-08-25 to 18-08-25

6. Dr. B. Siva Nageswara Rao, Mr. P. S.S. Chakravarthy, Dr. Sk. Ebraheem Khalee;ulla, Dr. Y. Jai Pal Reddy, Dr. B. Suneetha, Mrs. Rajavali Guntur, Mrs. Sk. Shakeera Begum, has successfully participated and completed AICTE ATAL FDP on "Next Generation Communications", At KITS AKSHR Institute of Technology, from 18-08-25 to 23-08-25.



7. Mr. K. Peda Raju, Mrs, P. Vinuthna, Mr. P. Jaya Babu, Mr. G. D. Sundara Rao, Mr. CH. Seshu Kumar, DR. G. Ramana Reddy, Mr. Ch. Adi Babu,Dr.Y. V. Lakshmaiah, has Paricipated in a Workshop under AICTE- VAANI, on Emerging Research Area in Semiconductor Chip Design using AI-ML Algorithms for Neural Network Generator (NNGen) in Telugu language at PACE INSTITUTE OF TECHNOLOGY AND SCIENCES from 21/08/2025 to 23/08/2025



8. Dr. V. Venkata Rao has successfully participated in the One week FDP On "Empowering Generative AI: Foundations, Models and Real-World Applications in Vision and Language", Organized by the DEPT: of CSE(AI&ML). LBRCE, from 25-08-25 to 30-08-25



9. Dr. B. Suneetha, Mrs. T. Indira, Mrs. Rajavali Guntur has participated in FDP on "Augmented Reality / Virtual Reality (AR/VR)", Organized by Dr. Vithalrao Vikhe Patil College of Engineering, C V Raman Global University in collaboration with ExcelR Edtech Pvt. Ltd. From 25-08-25 to 31-08-25.



10. Mr. K. Peda Raju, has successfully participated and completed AICTE FDP on "Emerging Trends in VLSI Design for Signal Processing and Communication Systems" at Brilliant Institute if Engineering and Technology from 25-08-25 to 30-08-25



11. Dr. B. Suneetha, Mrs. T. Indira, Mrs. Rajavali Guntur has participated in FDP on "GEN AI – RAG (Retrieval-Augmented Generation)" Organized by the Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana. MVSR Engineering College (Autonomous), Nadergul, Hyderabad. in Collaboration with ExcelR Edtech Pvt. Ltd. From 08th Sep 2025 to 12th Sep 2025



12. Mr. P. Jaya Babu, has successfully participated and completed AICTE Training and Learning (ATAL) FDP on "Bridging Theory to Practice: FDP on High Performance Computing, AI and Data- Driven Solutions" at BML Munjal University from 06-10-25 to 11-10-25.





13. Mr. G. Deena Sundara Rao has successfully participated and completed AICTE ATAL FDP on "AI/ML- Based Reconfigurable Antenna Design for Next Gen Communication" at Karunya Institute of Of Technology and Scinces from 27-10-25 to 01-11-25.

14. Mr. K. Peda Raju has successfully participated and completed AICTE ATAL FDP on "Next Gen VLSI and Semiconductor Sysytem: Integrating Machine Learning for Intelligent Design Automation" at R. M.D. Engineering College from 03-11-25 to 08-11-25.





15. Mr. P. Jaya Babu has successfully participated and completed AICTE ATAL FDP on "AI for All: Enabling Inclusive and Responsible Artificial Intelligence in Education and Industry" JLS University from 03-11-25 to 08-11-25.

16. Mrs. T. Indira and Mrs. P. Vinuthna has attended NPTEL- AICTE FDP on "Fundamentals Of Artificial Intelligence" during July- Oct 2025



17. Dr. V. Venkata Rao and Mr. K. Peda Raju has successfully participated and completed AICTE ATAL FDP on "Disaster Management and Resilient Infrastructure (Strategies, Technologies and Innovations") at CHALAPATHI INSTITUTE OF TECHNOLOGY from 10/11/2025 to 15/11/2025



18. Mr. P. Jaya Babu has successfully participated and completed AICTE ATAL FDP on "Innovation and Entrepreneurship for India's Sustainable Future" at National Institute of Technology Patna from 10/11/2025 to 15/11/2025.



19. Dr. B. Suneetha, Mrs. G. Rajavali, Mrs. T. Indira and Dr. G. Ramana Reddy has attended AICTE ATAL FDP on "Advancing AI: A Deep Dive into Computer Vision and Natural Language Processing" at TIRUMALA ENGINEERING COLLEGE from 10/11/2025 to 15/11/2025.



20. Dr. Md. Javeed Ahammed, Mr. K. Peda Raju, Dr. B. Suneetha has attended A Five-Day National Level Online FDP on "Emerging paradigms in Quantum Computing for Next-Generation Technologies: AI, VLSI, and Secure Communication" from 10-11-25 to14-11-25, Organized by Department of ECE, KKr and KSR Institute of Technology and Sciences.



21. Mr. P. Jaya Babu, Dr. B. Suneetha, Mr. Sk. Md. Shreef has Attended a NPTEL- AICTE FDP On "Artificial Intelligence: Concepts and Techniques", "Deep Learning – IIT Roapar ", "Introduction to industry 4.0 and IoT", during JULY- OCTOBER 2025.



22. Dr. V. Venkata Rao, Dr. B. Suneetha Dr. G. Ramana Reddy, Dr. Sk. Ebraheem Khaleelulla, Mr. P. Jaya Babu, Mr. G. D. Sundara Rao has attended A Five-Day National Level Online FDP on "Emerging paradigms in Quantum Computing for Next-Generation Technologies: AI, VLSI, and Secure Communication" from 10-11-25 to14-11-25, Organized by Department of ECE, KKr and KSR Institute of Technology and Sciences



23. Mr. Ch. Adi Babu has attended A Five-Day National Level Online FDP on "Emerging paradigms in Quantum Computing for Next-Generation Technologies: AI, VLSI, and Secure Communication" from 10-11-25 to14-11-25, Organized by Department of ECE, KKr and KSR Institute of Technology and Sciences



24. Dr. Sk. Ebraheem Khaleelulla has successfully completed a NPTEL- AICTE FDP On "Introduction to Large Language Models (LLMS), Deep Lerning-IIT Ropar and Programming Data Structures and Algorithms Using Python" during JULY- OCTOBER 2025



25. Mr. Ch. Adi Babu has successfully completed a NPTEL- AICTE FDP On "Introduction to Industry 4.0 and Industrial IoT" during JULY- OCTOBER 2025





26. Dr. Sk. Ebraheem Khaleelulla has successfully participated and completed AICTE ATAL FDP on "The Evolving World of AI: A Look at Modern Trends and Diverse Implementations" at RAJAMAHENDRI INSTITUTE OF ENGINEERING AND TECHNOLOGY from 15/12/2025 to 20/12/2025

27. Dr.V.VENKATA RAO has successfully participated and completed, National Webinar On Integrated Circuit RF Reliability Engineering Conducted by ECE Dept, Koneru lakshmaiah Educational Foundation, Hyderabad 29-11-25.



28. Dr.V.VENKATA RAO has Successfully Participated and Completed the Six Days Faculty Development Programme on PISHING AND CYBER SECURITY ATTACK Organized by the Dept of AI&ML,CS&BS,CYBER SECURITY ,Alim Muhammed Salegh College of Engineering Avadi,Chennai on 22/12/2025 to 27/12/2025.



29. Dr.V.VENKATA RAO has Successfully Participated in the 71St Edition of BRIDGE 2025-Vijayawada(A High Impact Industry-Institute Interaction Event) Organised by ICTACADEMY Information Technology and Digital Services Department Govt. of Tamil Naidu on 30/12/2025,Vijayawada.



30. Mr.PATIBANDLA VINUTHNA has Actively Participated and Completed in AMD -Xilinx Techanical Webinar on"Building Embedded Application With Vitis On Zynq Mpsoc Zcu104" Conducted by CoreEl Technologies(I) Pvt Ltd.and AMD-Xilinx on 30/12/2025.





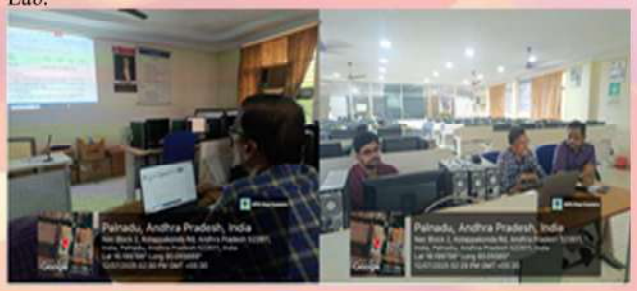
31. Dr.G.RAMANA REDDY has Successfully Participated and Completed the Six Days Faculty Development Programme on Emering Trends and Applications of Artifical Intelligence and Machine Learing Across Advance Domains Organized by the AI&DS Dept,Alim Muhammed Salegh College of Engineering Avadi,Chennai on 15/12/2025 to 20/12/2025.

DEPARTMENT ACTIVITES



• Institutions Innovation Council (IIC) 7.0 NARASARAOPETA ENGINEERING COLLEGE (Autonomous) is organizing "IDEATHON" on 11-07-2025 10. 00 AM for nominating best Ideas to MSME Innovation challenge 5. 0 grant of 15.0 Lakhs from all the Faculty and Students.

• 10th BoS Meeting for R23 Relation Syllabus, on 12-07-25 at ECAD Lab.



• Six Day AICTE ATAL FDP on "Emerging Technologies in Wireless Communications", Organized by Dept : Of ECE, Narasaraopeta Engineering College, From 14-07-25 to 19-07-25







• A Student Competition on "Brain Buzz" on 06-08-25, Organized by Dept: of ECE in Association with IEEE NEC Student Branch in Narasaraopeta Engineering College.





• 79th Independence Day Celebrations in Narasaraopeta Engineering College on 15-08-25.

• Academic Audit committeein the E-CAD Lab ON 23-09-25.





ISO file inspection in Our Department

• The Department of ECE has conducted Idea and Start-up Pitch competition On the eve of Innovation Day on 13-10-2025.



• Birth Anniversary of Dr. A.P.J Abdul Kalam has celebrated in Narasaraopeta Engineering college on 15-10-25, Organized by Dept: Of ECE, IIC, EDC & IQAC in Association with IEEE NEC Student Branch.



• A Guest Lecture on "Engineer to Entrepreneur", On the eve of INNOVATION DAY,on 15-10-25, Organized by Dept: Of ECE, IIC, EDC & IQAC in Association with IEEE NEC Student Branch, and certificates distributed to winners of Idea and Start-up Pitch competition.





• A Seminar on "Awareness Program on Abroad Education", by Mr. M. APPARAO, Branch Manager, Leo Global Overseas , Narasaraopeta, Organized by IQAC And Dept: of ECE on 08-12-2025





• Guest Lecture for II & III B.Tech. ECE students on "Advanced RTL Design Using Verilog HDL". Resource Person: Mr. Srikanth Bandla, Director, Triko Semiconductor Solutions, Bengaluru, on 12-12-2025





• A One Week FDP on "Data Analytics Using PYTHON", by Mr. Sk. Abdul Khadar, Technology Lead Infosys, Organized by Dept: of ECE and IQAC in Association with IEEE, IETE, & ISTE from 15-12-2025 to 20-12-2025





• Workshop on "Self Defence" for II & III B.Tech. ECE Girls students by Dr. D. Kondala Rao, Assistant Professor, ANU, & Director SCOPE Foundation(NGO), on 16-12-2025, Organized by Dept: of ECE and Women Empowerment Cell, in Association with IEEE NEC Student Branch.





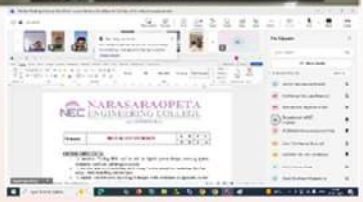
• A Guest Lecture on "Quantum Computing" for II & III B.Tech. ECE students, by Mr. Karthiganesh Duari Founder & CEO, KwantumG Research Labs Pvt Ltd. Bengaluru, on 19-12-2025.



• "Parent-Teacher Meeting", for II, III & IV B.Tech. ECE students on 20-12-25, Organized by Dept: of ECE.



• All The Faculty are successfully participated 11th BoS meeting to finalize R25 M.Tech course structure of VLSI&ES,DECS&DSCE online meeting invitation Conducted by ECE Dept,NEC on 27/12/2025.





• All IIB.TECH ECE Students are successfully participated A ONE WEEK WORKSHOP on PCB DESIGN Organized by Department of Electronics and Commmunication Enginerring &IQAC in Assocation with IEEE NEC Students Branch on 29/12/2025 TO 03/01/2026.

STUDENT FOCUS

TRAINING PROGRAMS ORGANIZED

CRT Training Classes for IV-I- ECE Students from 23-06-25 to 23-08-25 by BYTEXEL Company.



CRT Training Classes for IV-I- ECE Students from 23-06-25 to 23-08-25 by BYTEXEL Company.



APSSDC collaborative Project Meetingfor IV- ECE students on 30-07-25.



II- B-Tech – ECE Students attended a Online "National Space Day 2025" Celebrations, on 12-08-2025in Narasaraopeta Engineering College, Organised by IIRS, DOS-BS, RRSC(N). ISTRAC(L), Indian Space Research Organisation Dept: Of Space Govt: Of India



II- B-Tech – ECE Students attended a "Aviskandhra 2025" in Narasaraopeta Engineering College, Organised by AP Govt: Of India on 20-08-25



II-I ECE students attended aOne Week Workshop on "Arduino and its Applications",resource person Mr. V. Uma Manikanta, Founder & Director Anitha Technologies & Services , Vijayawada, Organized by Dept: of ECE & IQAC in Association with IETE, From 01-09-25 to 06-09-25.



.III-I ECE students attended a One Week Workshop on "Front-end Design Verification",resource person Mr. Srikanth Bandla, TRIKO Semiconductor Solutions, Narasaraopeta, Organized by Dept. of ECE& IQAC , From 08-09-25 to 13-09-25.



Career guidance development program for IV-ECE Students on 15-09-2025 by Hemanth Kumar Rayidi from Experts Edwise Overseas Education consultants



All III B.TECH ECE Students are successfully participated Awareness Program On Civil Services Examination UPSC CSE GS PCM-2026 Conducted by ARKA REFLECTION IAS on 23-12-25.



ACADAMIC TOPPERS

II B.Tech II Semester – ECE Toppers



III B.Tech II Semester – ECE Toppers



IV B.Tech II Semester – ECE Toppers



ALUMINI VOICE

Being a student at NEC has been a truly enriching experience. The campus environment is vibrant, inclusive, and highly supportive, offering numerous opportunities for both personal and professional growth. During my time at NEC, I was able to build meaningful connections and significantly enhance my academic, professional, and social skills. I strongly encourage my fellow students to make full use of the diverse courses and training programs offered by the college, as they play a vital role in career development and building self-confidence. I extend my sincere gratitude to every member of the NEC community for their guidance and support.



Bavisetti Komal Sai
Analyst II Software Engineer
Cognizant

STUDENT VOICE

Our department provides a nurturing environment that empowers students to explore their interests freely and shape their aspirations with confidence. Every student's future is thoughtfully supported and valued here. In contrast to many engineering institutions that focus solely on mass-producing graduates, often at the expense of creativity and innovation, our college is dedicated to redefining the purpose of education. Reflecting this vision, I was encouraged to apply for the University Innovation Fellowship by Stanford University—a prestigious global program that equips students to drive meaningful change within their academic communities. I am honored to be part of this initiative and immensely proud to be a NECian.



Sangala Vinod Kumar
23471A04CJ
III ECE

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.

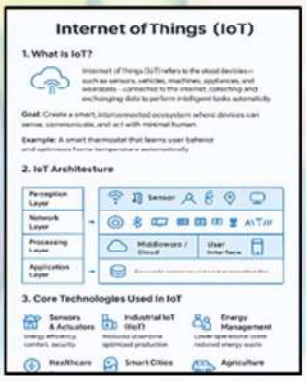
Modern Trends in Technology

INTERNET OF THINGS (IOT):

1. WHAT IS IOT?

Internet of Things (IoT) refers to the network of physical devices—such as sensors, vehicles, machines, appliances, and wearables—connected to the internet, collecting and exchanging data to perform intelligent tasks automatically.
Goal: Create a smart, interconnected ecosystem where devices can sense, communicate, and act with minimal human intervention.
Example: A smart thermostat that learns user behavior and optimizes home temperature automatically.

2. IoT Architecture



The IoT architecture is generally divided into four layers:

1. Perception Layer (Sensors & Actuators)

• Responsible for data collection from the environment.

• Devices: RFID tags, temperature sensors, motion detectors, cameras, etc.

2. Network Layer (Connectivity)

• Transmits data from devices to cloud servers.

• Technologies: Wi-Fi, Bluetooth, Zigbee, LoRa, NB-IoT, 4G/5G, Ethernet, Satellite.

3. Processing Layer (Middleware / Cloud)

• Processes, stores, and analyzes data.

• Includes cloud platforms, data analytics, and AI/ML algorithms.

4. Application Layer (User Interface)

• Provides meaningful services to users.

• Examples: Smart home apps, industrial monitoring dashboards, healthcare trackin

3. Core Technologies Used in IoT

Technology	Purpose	Examples
Sensors & Actuators	Collect and react to environmental data	Temperature, motion, GPS, humidity
Connectivity Protocols	Enable data transmission	MQTT, CoAP, HTTP, LoRaWAN
Cloud Computing	Store and process data remotely	AWS IoT, Google Cloud IoT, Azure IoT Hub
Edge Computing	Local data processing near the source	Raspberry Pi, NVIDIA Jetson
Artificial Intelligence (AI)	Enables prediction and automation	Predictive maintenance, anomaly detection
Blockchain	Secure data and identity management	IoT data integrity and authentication
Big Data Analytics	Analyzes large-scale IoT data	Apache Kafka, Hadoop, Spark

4. Communication Protocols in IoT

Protocol	Type	Description
MQTT (Message Queuing Telemetry Transport)	Lightweight	Used in low-bandwidth environments
CoAP (Constrained Application Protocol)	Lightweight	Designed for constrained devices
HTTP/HTTPS	Heavyweight	Web communication standard
LoRaWAN	Long-range	Used for wide-area, low-power devices
Zigbee / Z-Wave	Short-range	Common in smart homes
Bluetooth Low Energy (BLE)	Short-range	Wearables and mobile IoT

5. Applications of IoT

1. Smart Homes

- Devices: Smart lights, thermostats, security cameras, voice assistants.
- Benefits: Energy efficiency, comfort, security.

2. Industrial IoT (IIoT)

- Factories use sensors for predictive maintenance, asset tracking, and automation.
- Benefits: Reduced downtime, optimized production.

3. Healthcare

- Wearables monitor heart rate, glucose, oxygen levels, etc.
- Benefits: Remote monitoring, telemedicine, early diagnosis.

4. Smart Cities

- Traffic control, waste management, air-quality monitoring.
- Benefits: Reduced pollution, efficient energy use, better infrastructure.

5. Agriculture

- IoT sensors monitor soil, water, and crop health.
- Benefits: Higher yields, water conservation.

6. Transportation

- Connected vehicles, fleet tracking, logistics optimization.
- Benefits: Reduced fuel cost, improved safety.

7. Energy Management

- Smart grids and meters for efficient power distribution.
- Benefits: Lower operational costs, reduced energy waste.

6. Security and Privacy Challenges

Challenge	Description
Data Privacy	Sensitive user data can be misused.
Weak Authentication	Many IoT devices lack robust password systems.
Firmware Vulnerabilities	Devices often run outdated software.
Network Attacks	DDoS and man-in-the-middle attacks.
Data Integrity	Ensuring transmitted data is not altered.

Security Solutions:

- End-to-end encryption
- Secure boot and firmware updates
- Blockchain-based identity management
- AI-driven threat detection

7. IoT Data Processing Models

Model	Description
Cloud Computing	Data sent to cloud servers for processing.
Edge Computing	Processing near the device to reduce latency.
Fog Computing	Intermediate layer between cloud and edge for faster response.

8. Role of AI and Machine Learning in IoT

AI enhances IoT by enabling:

- Predictive maintenance (detecting equipment failures early)
- Anomaly detection (security and system monitoring)
- Automation (self-learning systems)
- Computer vision (object recognition, surveillance)

9. Major IoT Platforms

AI enhances IoT by enabling:

- Predictive maintenance (detecting equipment failures early)
- Anomaly detection (security and system monitoring)
- Automation (self-learning systems)
- Computer vision (object recognition, surveillance)

Platform	Provider	Key Features
AWS IoT Core	Amazon	Device management, analytics
Azure IoT Hub	Microsoft	Secure communication, scalability
Google Cloud IoT	Google	Machine learning integration
IBM Watson IoT	IBM	Cognitive analytics
ThingSpeak	MathWorks	Open-source data analysis
Kaa IoT	Open Source	Flexible and modular platform

10. Future Trends in IoT (2025 and beyond)

1. AIoT (AI + IoT) – Smarter, self-learning IoT ecosystems
2. 5G Integration – Faster, low-latency communication
3. Edge AI – Running AI models directly on devices
4. Digital Twins – Virtual replicas for simulation and optimization
5. IoT Security via Blockchain – Decentralized authentication
6. Sustainable IoT – Focus on green technologies and energy-efficient devices
7. Interoperability Standards – Seamless communication between devices

11. Popular IoT Development Tools and Boards

Tool/Board	Type	Description
Arduino Uno / ESP32	Microcontroller	Easy IoT prototyping
Raspberry Pi	Microcomputer	Edge computing and gateway
Node-RED	Software	Visual IoT flow programming
Blynk / Cayenne	App Platform	Remote device control
AWS IoT SDK / Azure SDK	Cloud SDKs	Cloud-based IoT management

12. Advantages and Disadvantages

Advantages	Disadvantages
Automation & efficiency	Security vulnerabilities
Real-time monitoring	High implementation cost
Resource optimization	Complex integration
Predictive analytics	Data privacy concerns
Improved decision-making	Dependence on internet connectivity

FACULTY FOCUS
Publications / Conferences / FDP:
FACULTY ACHIEVEMENTS:

Dr S N Tirumala Rao 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.

Dr S N Tirumala Rao, Dr R SateesKumar have Parcipated in a SIX-DAY Online Faculty Development Program on "Writing Successful Reserch Funding Proposals: Tips and Techniques" organized by Department of Computer Science and Engineering , Tirumala engineering College, Narasaraopet, Guntur(dt) From 23-06-2025 to 28-06-2025.





Dr K Suresh Babu has Paper Entitled, A Novel Approach for Classifying Gliomas from Magnetic Resonance Images using Image Decomposition and Texture Analysis. Publication with 30 May 2025 In Journal MDPI.

M Venkata Rao for successfully completing the nova Training for c++, we appreciate your contribution towards shaping the future of mobility.





Dr S V Srinivasu has successfully completed the 40 hours (3-credits equivalent) Faculty Development Programme jointly organized by various Academics. During the period, we found him to be hardworking, sincere and committed. His performance was very good. This programme is funded by MeitY and endorsed by DST – NQM /AICTE / UGC. During July 11 – August 02, 2025.

Dr G Ramanareddy has Successfully Completed Workshop under AICTE-Vibrant Advocacy for Advancement and Nurturing of Indian Languages (VAANI) on Emerging Research Area in Semiconductor Chip Design Using AI ML Algorithms for Neural Network Generator (NNGen) in Telugu Language at PACE INSTITUTE OF TECHNOLOGY AND SCIENCES from 21-08-2025 to 23-08-2025.



Shaik Mohiddin Basha has Successfully Completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Next Generation Communication or KITS AKSHAR INSTITUTE OF TECHNOLOGY from 18-08-2025 to 23-08-2025.





Dr K Suresh Babu has certify "In recognition of his outstanding contribution as the Faculty Coordinator for the Guest Lecture on "Empowering Graduates with Soft Skills for Industry Readiness" organized on 29th August 2025 at Narasaraopeta Engineering College."

Dr K Suresh Babu has certify International Journal of Electrical and Computer Engineering. Is hereby awarding this certificate on August 29, 2025.



M venkatarao for the Successful Completion Of An One Week Faculty Development Program on 'Emerging Trends And Challenges in Cyber Security", Organized by the Department of CSE(AI&ML) held from 25th August – 30th August 2025.





Dr K Suresh Babu has successfully participated in the One Week Online Faculty Development Programme (FDP) on "Exploring Generative AI: Foundations, Models and Real-World Applications in Vision and Language". Organized by the Department of Computer Science & Engineering (AI & ML), LBRCE, FROM 25TH August 2025 to 30th August 2025.

SK Khaja Mahaddin Basha has successfully completed AICTE Training and Learning (ATAL) Academy Faculty Development program on Research. Application in Machine Learning and Internet of things (IoT) or CHAMELE DEVI GROUP OF INSTITUTIONS from 08/09/2025 to 13/09/2025.





Dr S Venkata Naga Srinivasulu has successfully completed the 40 hours (3-credits equipment) faculty Development Programme jointly organized by various Academics. During the period. We found her programme is funded by MeitY and sponsored by DST / NQM / AICTE / UGC. Held August 18-September 11, 2025.

K.V.Narasimha Reddy receives Best Paper Award" of the paper titled "Generation of Semantic and Contextual Captions to the Images using VIT"presented at the"6th Doctoral Symposium on Computational Intelligence (DoSCI-2025)" organized jointly by Institute of Engineering and Technology Lucknow, Campus of Open Learning, University of Delhi, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi and University of Calabria, Italy, on 28th -29th March 2025.



S N Thirumala Rao, M Sireesha have been awarded the Certificate of Competency by NVIDIA. This certificate is for demonstrating competence in the Fundamentals of Deep Learning. The certificate was issued on September 25, 2025.





D Venkata Reddy has presented the paper entitled Hybrid Resampling-Driven Deep Learning Architecture for Cardiovascular Risk Stratification at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th –20th September 2025.





N Vijaya Kumar for successfully completing the course "Python for Data Science". The course was conducted by NPTEL Online Certification, funded by the MoE, Govt. of India, in Jul-Aug 2025.

CH Chandra Sekhar for successfully completing the course Introduction to Programming in C. The course was conducted by NPTEL Online Certification, funded by the MoE, Govt. of India, in Jul-Sep 2025.





M Sampath Kumar has successfully presented the paper titled Intelligent Resource Allocation in Wireless Sensor Networks: A Hybrid Optimization Approach for Energy-Constrained Environments at the 2nd International Conference on Electronic Circuits and

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All the CSE Faculty completed BET Exam.



D Venkata Reddy has presented a paper entitled 'A Lightweight Attention Enhanced Deep Learning Model Based on MobileNetV2 for Lung Cancer Detection' at the 6th EAI International Conference for Advancement in Technology (EAI CoNTech 2023), Convener Dr. Thippeswamy on 7th Jan 2025.





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Dr. S.N. Tirumala Rao, SK Khaja Mahaddin Basha have successfully completed the online Faculty Development Program (FDP) on "Flutter for Android, iOS, and Web Apps". The FDP was organized by SkillDzire in collaboration with AICTE from 03/11/2025 to 07/11/2025.





Dr. PATTABHI RAM PATHALAM, has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Entrepreneurship Development at PARVATHAREDDY BABLUREDDY VISVODAYA INSTITUTE OF TECHNOLOGY AND SCIENCE from 03/11/2025 to 08/11/2025.





RAMESH ABBURI for successfully completing the course Computer Architecture and Organization with a consolidated score of 54%. Online Assignments 23.72/25 Proctored Exam 30/75 Total number of candidates certified in this course: 2122 Jul-Oct 2025 (12 week course).

KARUNA KUMAR V for successfully completing the course Data Structure and Algorithms using Java with a consolidated score of 66%. Online Assignments 24.81/25 Proctored Exam 40.75/75 Total number of candidates certified in this course: 3234 Jul-Oct 2025 (12 week course).





D Venkata Reddy has participated in the 3rd Research Writing Workshop cum Faculty Development Program "A Guide to Research Writing Tools: Enhancing Productivity and Quality" held from 01-07 November 2025.Topics included Perplexity AI, QuillBot, data analysis, Grammarly, ChatGPT, Gemini AI, Mendeley and research grant opportunities.



P KRISHNASUNIL for successfully completing the course Marketing Management - I with a consolidated score of 67%. Online Assignments: 24.58/25 Proctored Exam: 42/75.

Total number of candidates certified in this course: 3401 (8 week course) Aug-Oct 2025.

Dr. K. Suresh Babu has successfully presented a paper entitled A Custom Deep Learning Framework for Identifying Security Threats in Digitally Connected Systems in 2025 3rd International Conference on Advances in Computation, Communication and Information Technology (ICAICCIT) Technically Sponsored by IEEE Delhi Section (Record No : 68829).Another certificate has successfully completed the 5-Day National Level Professional Development Programme (PDP) on Quantum Computing held from 21st October to 25th October 2025, organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad in collaboration with the Blackbucks Group. The program aimed to enhance faculty proficiency in emerging areas of quantum computing, equipping educators with the knowledge and pedagogical tools essential for academic and research excellence.





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Y.Neelima has presented the research paper titled WasteNet:A Structured-Pruned and EMA-Augmented RepVGG Framework for Real-Time Trash Classification at the 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (iSSSC 2025), held from November 06-08, 2025, organized by GIET University, Gunupur, Odisha, India. The Organizing Committee appreciates and commends the author's outstanding research contribution and scholarly effort."





Sai Sarnya Tupakula has presented the research paper titled Deep Stroke Detect: Optimizing Strobe Risk Prediction Using SMOTEENN and Transfer Learning at the 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (ISSSPC 2025), held from November 06-08, 2025, organized by GIET University, Gunupur, Odisha, India. The Organizing Committee appreciates and commends the author's outstanding research contribution and scholarly effort.

Dodda Venkata Reddy has presented the research paper titled Enhanced Multi-Zonal Forest Type Classification Using VOLOve and EuroAT for Scalable Environmental Monitoring at the 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (iSSSC 2025), held from November 06-08, 2025, organized by GIET University, Gunupur, Odisha, India. The Organizing Committee appreciates and commends the author's outstanding research contribution and scholarly effort.





K.Rajani has presented the research paper titled Ensemble Captioning at Images of Varying Based Pattern Probable at the 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (iSSSC 2025), held from November 06-08, 2025, organized by GIET University, Gunupur, Odisha, India. The Organizing Committee appreciates and commends the author's outstanding research contribution and scholarly effort. Another research paper titled FusionNet-Vision: Glaucoma Detection Using Feature-Aware Segmentation and Transparent Classification Layers at the 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (iSSSC 2025), held from November 06-08, 2025, organized by GIET University, Gunupur, Odisha, India. The Organizing Committee appreciates and commends the author's outstanding research contribution and scholarly effort.





A Ramesh has presented the research paper titled A Feature-Optimized Ensemble Model for Diabetic Retinopathy Detection via CNN and APIO Integration at the 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (iSSSC 2025), held from November 06-08, 2025, organized by GIET University, Gunupur, Odisha, India. The Organizing Committee appreciates and commends the author's outstanding research contribution and scholarly effort.





Munnagi Suresh has presented the research paper titled HFS-VAE: A Hierarchical Feature-Splitting Variational Autoencoder for Interpretable and Robust Network Intrusion Detection at the 2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing & Cybersecurity (ISSSC 2025), held from November 06-08, 2025, organized by GIET University, Gunupur, Odisha, India. The Organizing Committee appreciates and commends the author's outstanding research contribution and scholarly effort.



NURALA VIJAYA KUMAR for successfully completing the course The Joy of Computing using Python with a consolidated score of 67 % (Online Assignments 54.75/75 | Proctored Exam 42.6/75) Total number of candidates certified in this course: 20403. Date July- Oct 2025.



D. Venkata Reddy presented a paper titled "Hybrid Resampling-Driven Deep Learning Architecture for Cardiovascular Risk Stratification" at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025). The conference was held on 19th & 20th September 2025 at Vidyavardhaka College of Engineering, Mysuru, India.

M SUNEETHA has been awarded the NPTEL Online Certification for successfully completing the course "Human Computer Interaction (In Hindi)". The course was conducted from Jul-Oct 2025, and she achieved a consolidated score of 84%. She completed 25/25 online assignments and scored 58.575 in the proctored exam.





M.Mounika Naga Bhavani has successfully participated in the Cyber security Awareness Program during cyber security Awareness Month 2025. Empowering safer digital communities - Together.

Dr. S.V. Naga Sreenivasu has been awarded a Certificate of Participation for attending the One Day Regional Meet organized by the Ministry of Education's Innovation Cell and the Institutions' Innovation Council of AICTE. The event was hosted by SRM University – AP, Vijayawada, on 2nd December 2025. The certificate is issued under the authority of Prof. T. G. Sitharam, Chairman of AICTE, Ministry of Education, and Dr. Dipan Sahu, Assistant Innovation Director, MoE's Innovation Cell.



Meesala Sivaiah of Narasaraopeta Engineering College, Narasaraopet, Andhra Pradesh, India, participated in and presented a research paper titled "EXPLAINABLE FAIRNESS-ATTENTIVE ML AND DL (FAIR-EXPLAINHR): Ethical and Transparent Attrition Prediction with Engagement, Economic and Behavioural Signals" at the Second IEEE International Conference on Computing, Semiconductor, Mechatronics, Intelligent Systems and Communications (COSMIC-2025). The conference was organized by Sahyadri College of Engineering & Management (SCEM), Adyar, Mangaluru, Karnataka, and held on 21–22 November 2025. The paper was co-authored by S. V. N. Sreenivasu, Manikanta Mallela, Ikkurthi Dhanush, Karanam Madhavi, Himabala Budaraju, and Dodda Venkata Reddy. The certificate is endorsed by the Organizing Chairs and the Principal of SCEM.



K.V. Narasimha Reddy for presenting a paper titled "Multimodal Cyberbullying Detection Using Inter-Modal Attention-Based Deep Learning" in the 2025 IEEE International Conference on Innovate for Humanitarian Tech Solutions for Global Challenge (ICIH) held at Acropolis Institute of Technology and Research, Indore, from 21st–22nd November 2025. Another paper titled "FusionNet-GLD: A Dual-Backbone CNN Model Combining Xception and Inception for Grape Leaf Disease Recognition" and another paper titled "Multimodal Cyberbullying Detection Using Inter-Modal Attention-Based Deep Learning" in the 2025.



Shaik Khaja Mohiddin Basha, Suresh M have received this Certificate of Participation for presenting a research paper titled "HybridBERT and Metadata Deep Learning Model for Twitter Bot Detection" at the 2025 IEEE International Conference on Innovate for Humanitarian Tech Solutions for Global Challenge (ICIH), held at Acropolis Institute of Technology and Research, Indore, on 21st–22nd November 2025. The certificate is issued under the signature of Dr. Namrata Tapaswi, Conference Chair, and Dr. S.C. Sharma, Director.



M. Sathyam Reddy, Assistant Professor at Narasaraopeta Engineering College, participated in a Five-Day National Level Online Faculty Development Program on "Emerging Paradigms in Quantum Computing for Next-Generation Technologies: AI, VLSI, and Secure Communication," conducted from 10th November to 14th November 2025. The program was organized by the Department of Electronics and Communication Engineering at KKR & KSR Institute of Technology and Sciences (Autonomous), Vinjanampadu, Guntur, Andhra Pradesh, which is approved by AICTE and affiliated with JNTU Kakinada. The certificate is endorsed by Dr. S. Thirumala Devi (FDP Coordinator), Dr. N. Adinarayana (ECE HOD & Convenor), Dr. K. Hari Babu (Academic Director), and Dr. P. Babu (Principal).



Vijaya Kumar Nukala from Narasaraopeta Engineering College, Andhra Pradesh, successfully presented a research paper titled "Meta-Fusion Ensemble of Transformer Models for Robust Multilingual and Cross-Domain Sentiment Classification" at the 2025 3rd International Conference on Advances in Computation, Communication and Information Technology (ICACCICT). The conference was technically sponsored by the IEEE Delhi Section (Record No. 68829) and

organized by the Department of Computer Science & Engineering, Manav Rachna International Institute of Research and Studies, Faridabad, India, held from 31st October to 1st November 2025. The certificate is endorsed by Dr. Poonam Tanwar (Professor, CSE, SET – Convener), Dr. Tapas Kumar (Associate Dean & HOD-CSE – General Chair), Dr. Pardeep Kumar (Pro-Vice Chancellor – Patron), and Dr. Sanjay Srivastava (Vice Chancellor – Patron).



Dr. Sirasanagondla Venkata Naga Sreenivasu of Narasaraopeta Engineering College has successfully completed the Faculty Development Programme on QT-03 & QT-04: Basic Quantum Programming and Technologies Lab, conducted from October 27 to November 29, 2025. The programme comprised 60 hours (equivalent to 3 credits) and was jointly organized by the Electronics and ICT Academy, MNIT Jaipur, and the AP State Council for Higher Education (APSCHE). Facilitated by MeitY, in collaboration with TCS and IBM, and endorsed by AICTE, NQM, and UGC, the programme aimed to enhance faculty expertise in quantum technologies. Dr. Sreenivasu's performance during the programme was assessed as Very Good, and the certificate is recognized for API score under the Career Advancement Scheme (CAS).





Nukala Vijaya Kumar has successfully completed the NPTEL–AICTE Faculty Development Programme course titled "The Joy of Computing Using Python", conducted in MOOCs mode for a duration of 12 weeks (July–October 2025). The programme, funded by the Ministry of Education, Government of India, was offered through NPTEL, IIT Madras, and required successful completion of online assignments and a proctored examination. The participant secured a consolidated score of 67%, demonstrating proficiency in fundamental computing concepts and Python programming. This certification is recognized by AICTE and is acceptable for Career Advancement Scheme (CAS) promotions as per prevailing norms. And other Certificate his outstanding achievement as an NPTEL Discipline Star for the period July–December 2025. This honor reflects his consistent dedication to learning, successful completion of multiple NPTEL courses within the same discipline, and commendable performance in assessments. His achievement demonstrates strong academic commitment, self-discipline, and a passion for continuous professional development through the NPTEL–SWAYAM platform.





Mr. Shaik Khaja Mohiddin Basha, Assistant Professor, Department of Computer Science and Engineering, Narasaraopeta Engineering College (Autonomous), Narasaraopet, India, as a token of appreciation for his active contribution as a Technical Reviewer in the 2025 Second IEEE International Conference for Women in Computing (INCOWOCO 2025) held during 14–15 November 2025 at G H Raisoni College of Engineering and Management (GHRCEM), Pune, Maharashtra, India. The conference was technically co-sponsored by the IEEE Women in Engineering (WiE), Pune Section, and the IEEE Pune Section.



Dr. Soma Sekhar Kolisetty, V Dhannaih have actively participating in the Faculty Enablement Program (FEP) on Python Programming, conducted from November 17 to November 21, 2025, by Infosys Springboard. The certificate was issued by Infosys Limited on Wednesday, December 24, 2025, and is signed by Satheesha B. Nanjappa, Senior Vice President and Head – Education, Training and Assessment, Infosys Limited.





DEPARTMENTAL ACTIVITIES:

Workshops/ Seminars / Industrial visits/ Webinars:

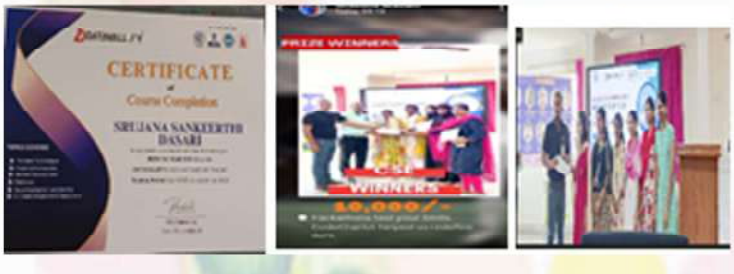
IV B. Tech CSE Cream Batch (A&B Section) Students attending the Training sessions for upcoming Drives. The Training on JAVA, MERN and Data Analytics Technologies.





A One Day Hackathon Program on CODECHARIOT on 12th to 13th July 2025.





A ONE WEEK WORKSHOP ON INNOVATIVE PROBLEM-SOLVING SKILLS 14-07-2025to 18-07-2025.



A Four Day Workshop on Generative AI & Build with AI Gemini 2.0 Flash 11th to 14th August, 2025. In Association with L4G Solutions pvt. Ltd., Organized by Department of CSE. All IInd, IIIrd, IVth Year Students are Participated in the Workshop.



A one week workshop on Devops and Its Tools, 18th to 23rd August, 2025. In Association with VSRIT Solutions, Hyderabad, Organized by Department of Computer Science and Engineering.



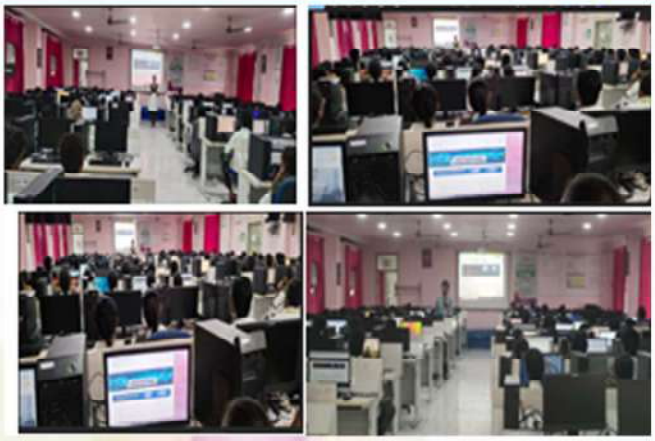
A Guest Lecture on" Empowering Graduates with Soft Skills for Industry Readiness". Organized by Department of Computer Science and Engineering. Resource Person: Mr. Sree Krishnan on Friday, 29 August 2025.



AN exam on LeetCode was conducted for students on 01-09-2025. The paper was sent by Mr. Ramesh Reddy from Lara Technologies. The question paper was briefed by Mr. Ramesh Reddy before the exam. A total of 63 students appeared for exam. Eighty programs from LeetCode were collected and distributed among IInd –year students to solve.



Interaction with SmartIndiaHackathon2k25 Participating Students by Super Seniors ... Regarding SmartIndiaHackathon2k25 Guide Lines and Selection Process and Relevant Support.



JAVA FULL STACK "CODECHARIOT-2025" Organized by Training Department on 08th & 09th September 2025. All the Java trained Students participated in this event. Two CSE Batches got first and third position in this prestigious event.



Being Zero Placement Drive conducted on 16-09-25 at Techhub Lab. 124 CSE Students eligible to this drive.



A written test was conducted on24-09-2025. Unistring Tech Solutions for the students of the department to assess their technical and analytical skills.



A workshop on Git and GitHub for II CSE students by IV CSE students on 09-10-2025.



A Written Test was conducted by TAP ACADEMY for IV-year students on 10-10-2025 in the TECHHUB Seminar hall.



Innovative idea program contest program on 13th to 14th October, 2025.



Flutters project Expo on 13-10 2025.



CSP project Expo on 13-10-2025.



ISO AUDIT on 15-10-2025.

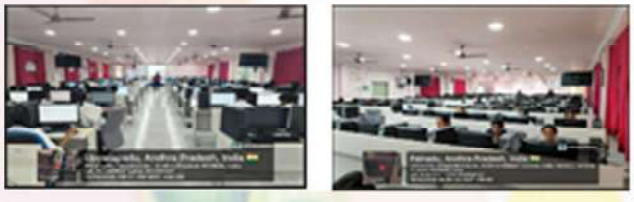


A Two-Day Workshop on Innovation, Entrepreneurship, and Start-ups was held 17th to 18th OCT 2025. The session sparked fresh enthusiasm for creative and entrepreneurial thinking among students. The workshop featured Mr Varadarajan Krishna, Founder and Chairman of Value Train Services (VTS), as the chief resource person. He delivered an engaging session on design thinking, innovation, and creative strategies for building start-ups. His insights encouraged students to turn their ideas into real and sustainable ventures. A total of 34 teams, consisting of 136 students, presented their innovative

ideas, making the event a strong platform for creativity and start-ups culture at NEC. Inspiring Innovation, Igniting Young Minds.



Our Department Conducted in Bytexl exam on 15th to 16th OCT 2025. All IInd, IIIrd Students Should be attend the exam.



Our College Fresher's Day 2025 was a lively celebration that filled the campus with colour, music, and excitement. The event welcomed the newest batch of engineers with warmth and joy, marking a cheerful start to their college journey. Second-year students showcased their creativity and enthusiasm through cultural performances, games, and engaging activities, making the day special for the juniors. Every moment was filled with laughter, bonding, and memories that made the occasion unforgettable. The event was graced by Chief Guest Mr. G. Sanjeev, District Transport Officer, Palnadu, and Guest of Honour Mr. N. Siva Nageswara Rao, Motor Vehicle Inspector, Narasaraopeta. Both guests appreciated NEC's commitment to creating a strong and inclusive learning environment.



ISO has certified our institution for the ongoing year also as ISO certified institute.



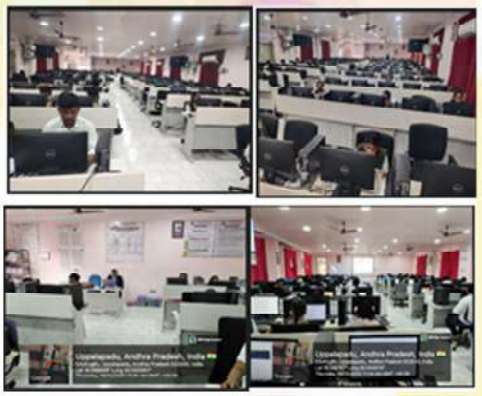
A Workshop & Hackathon for B.Tech students, part of CODE CHALLENGE 2025, is on 22nd November 2025. It's organized by the Departments of CSE, CSE (AI), CSE (AIML), CSE (DS), CSE (IOT) & IQAC. Meritorious participants will be appreciated with amazing prizes & certificates. All first-year students are to participate in this workshop.



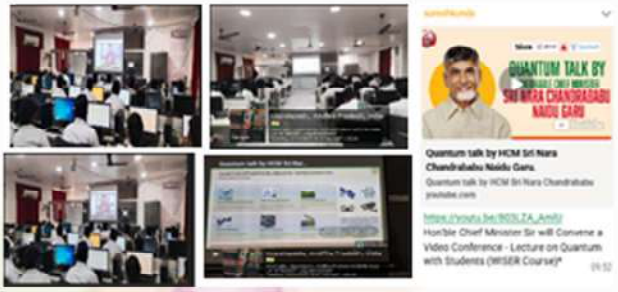
Peer learning was conducted for third year students with the support of 4-year students. In Telugu.



Silver Sky Technologies conducted a campus recruitment drive in our college. The drive was organized to provide placement opportunities for final-year students. Students from other colleges also participated in the recruitment process. Many students actively took part in the event. The representatives of Silver Sky Technologies explained the company profile and job roles clearly. The drive was well-organized and helped students gain valuable career opportunities.



Quantum Talk by the Honourable Chief Minister Sri Nara Chandrababu Naidu Garu, who will deliver a video-conference lecture on quantum topics for students.



A one-day seminar on Large Language Models (LLMs) (Revolutionizing human-computer interaction) in association with ISTE, CSI & ACM Student Chapters, organized by the Department of CSE, will be held on 22nd December2025.



A three-day work-shop on Generative AI Leader Certification Program – 2026 on Introduction to Generative AI, Generative AI Developers & Leaders, is conducted from 26th, December 2025 to 29th December 2025. It is organized by the Departments of CSE, IT, CSE (AI), and CSE (AIML), in association with L4G Solutions Pvt. Ltd. The program aims to equip students with essential knowledge and leadership skills in Generative Artificial Intelligence, and it is participated in by all third-year students.



The seminar is presented by Dr. S V N Sreenivasu, the Dean R&D and Professor in the Computer Science & Engineering department, also serving as an Innovation Ambassador & IPR Coordinator at Narasaraopet Engineering College. The slide highlights the focus on fostering innovation, entrepreneurial skills, and awareness of intellectual property rights among participants. The event is titled "Ongole Seminar on Innovation, Entrepreneurship & Intellectual Property Rights" organized by S S College of Engineering and Technology.



A three-day work-shop on Generative AI Leader Certification Program – 2026 on Introduction to Generative AI, Generative AI Developers & Leaders, is conducted from 30th December 2025 to 2nd January 2026. It is organized by the Departments of CSE, IT, CSE (AI), and CSE (AIML), in association with L4G Solutions Pvt. Ltd. The program aims to equip students with essential knowledge and leadership skills in Generative Artificial Intelligence, and it is participated in by all Second-year students.



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

CO-CURRICULAR ACTIVITIES:

NCC cadets received appreciation certificates for their excellent participation. The event was organized by the 33rd Andhra Battalion. Principal, NCC officers, and other dignitaries presented the certificates to around 30 cadets who performed well in various camps and activities. The officers praised the cadets for their discipline and service spirit and encouraged them to continue contributing to national development.



Our three NCC Cadets from Narasaraopeta Engineering College have been selected to participate in the National Level Trekking Camp, organised by the Guntur NCC Group. The camp will be held from 28th October across the scenic routes of Kondaveedu, Kondapalli, and Kotappakonda. Selected Cadets our Department SGT G. Ramya Sri (III Year CSE-C, 23471A05C4), CDT Ch. Hamsika Reddy (II Year CSE- , 24471A05KG). The camp will offer training in trekking, forest survival, physical fitness, teamwork, and environmental conservation helping the cadets build resilience, discipline, and leadership.







At our college, the poster for the upcoming NCC Selections, scheduled to be held on Thursday, the 16th of this month, under the supervision of the 23(A) Andhra Pradesh Battalion, was formally released by our Hon'ble Chairman and Principal Sir on Monday. I sincerely seek the support and cooperation of everyone in making this event a grand success.







Our NCC cadets celebrated Deepavali with Humanity at Angel Children's Home, bringing festive cheer and compassion to young hearts. They spent the day engaging the children with songs, games, and drawing activities, filling the atmosphere with joy and celebration. The cadets also distributed sweets, fruits, stationery, and essential items worth ₹10,000, spreading smiles and warmth among the children. Through this thoughtful initiative, our NCC cadets beautifully reflected the values of service, empathy, and social responsibility, lighting up lives with kindness and humanity.







Venkayala Teja Sri (Roll no. 21471A05D3, CSE-B) received a Certificate of Appreciation at the Washington Hackathon 2025. The event was organized by Washington University of Science and Technology. Her project was an Enhanced Optimized CNN Based Automated solution in the category of Intelligent Healthcare & Medical Robotics.

student named Syed Ahmad Rasool from the CSE department, 3rd year (Roll number: 23471A05EW, Mobile number: 70133 31798), got the Best Project Innovation award in the 2-day workshop which was organized by KLU. IP-YATRA was held at Guntur on 24th and 25th October 2025.









19 students from NEC who secured placements with **Wipro** at a package of 3.5 LPA. This includes the recent 5 students **Gude Chaitanya from CSE, Kode Venkata Naveen from CSE, Pulivarthi Priyanka from CSE, Gurram Siva Anjali from CSE and Suma Durga Thalapaneni from CSE**.This achievement shows steady effort and strong academic support at NEC. Wishing every student continued progress as they begin their professional path.



A student named Konda Reddy V from the CSE department, 3rd year CSE-D (Roll number: 23471A05F5, Mobile number: 8247806042), got the Best Project Innovation award in the 2-day workshop which was organized by KLU. IP-YATRA was held at Guntur on 24th and 25th October 2025.



Around 2000 students participated in the grand celebration of 150 years of "Vandemataram" held at Our College under the joint auspices of NCC and NSS.



Our cadet (D KAVYA SRI, Roll no: 23471A05BP,III-CSE-C) participated in a State-Level Idea and Innovation Competition held at RGUKT Nuzvid (IIIT College), where I presented my startup concept titled "Smart Soldier Wristband." The project focused on enhancing the safety and monitoring of soldiers through innovative wearable technology. Her idea was highly appreciated by the commanding officer (CO) of 17 (A) BN for its creativity and practical application. This experience not only boosted my confidence but also enhanced my knowledge in the areas of innovation, presentation skills, and problem-solving.



SIH 2025 - Ganador team Katari Thanmai(4th year CSE) and G. Chinmayee(4th year CSE) went to KKR & KSR Institute of Technology and Sciences, Vinjanampadu, to participate in SIH 2025 Grand finale, 8th-9th December, 2025 and the team won the shared first prize in the grand finale worth 1,50,000/-.



NEC Secures National Victory at smart india hackthon 2025, NEC records a proud national level win at the Smart India Hackathon 2025. NEC students emerged as national winners at the grand finale and secured a cash prize of ₹ 1.0 . The team was appreciated by palnadu district collector Ms krithika Shukla, IAS , marking a memorable moment for the college. The winning team impressed the jury with an innovative software solution that blends Indian classical dance mudras with artificial intelligence. The project reflected strong creativity, technical skill, and problem solving. The team was led by G. Shanmukha from Data Scienc, with member T. Naga kalyan IT, K. Hashitha, K.V. Sai Bharath Data Science, G. Chinmayi and K. Tanmayi from CSE. NEC continues to stand as a platform for national level success.



NEC 05 Coy NCC Cadets Support Armed Forces Flag Day. The 05 Coy NCC unit of Narasaraopeta Engineering College carried out a voluntary fund collection drive on Armed Foreces Flage Dayon 08-12-2025. The cadets showed strong discipline and social responsibility through this activity. Palnadu District Collector received the funds and appreciated the cadets for their effort. She said their work showed kindness and commitment and that it set a good example for other students. The NEC management team and the principals of NEC and NIPS also took part in this cause. They congratulated the cadets for their steady effort and support for the welfare of the Armed Forces. NEC salutes the 05 Coy NCC cadets and everyone who contributed with pride and respect on this important day.







Our NCC Cadet B. Poorna Sai Vinay Kumar (III-B.Tech, CSE-C, and Roll No-23471A05AQ) has been selected for the prestigious Indian Military Academy (IMA) National Training Camp to be held at Dehradun. This is a proud achievement for our NEC NCC Unit and the entire NEC family.





19 students from NEC who secured placements with Wipro at a package of 3.5 LPA. This includes the recent 5 students Gude Chaitanya From CSE, Kode Venkata Naveen From CSE, Pulivarthi Priyanka From CSE, Gurram Siva Anjali From CSE and Suma Durga Talapaneni From CSE. This achievement shows steady effort and strong academic support at NEC. Wishing every student continued progress as they begin their professional path.

In the APSSDC Skill India competition, the participant G. Nithin, Roll No. 23475A0520, from the CSE (III B-Tech) branch, specialized in the trade of Cloud Computing and secured the first prize with a cash award of ₹20,000.





Our student, Shafia Zainab Syed of IV B.Tech CSE (Roll No: 22471A05K0), has been selected by Jytra Technology.

Our student, P.Veera Dhanush kumar of IV B.Tech CSE (Roll No: 22471A0514), has been selected by Silver sky Technology.

Our students, K Sai Varsha (Roll no: 22471A05A2), SK Shakeer Ahamad (Roll No: 22471A0501) of IV B.Tech CSE have been selected by Technoparian Soft.

Our College proudly congratulates its students on their successful selection by ApMoSys. This remarkable achievement reflects their technical competence, dedication, and perseverance. Being recruited as Trainee Software Engineers with a salary package of ₹2.5 LPA, the students from the 2026 passed-out batch have brought great pride to the institution. The college wishes them continued success and excellence in their professional careers. Our CSE IV B-Tech students A Anitha (Roll no: 22471A0572), P.Veera Dhanush kumar (Roll No: 22471A0514).

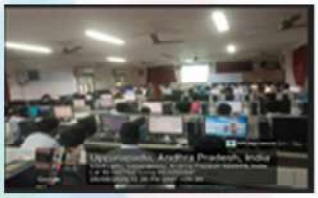




Our student, Shafia Zainab Syed of IV B.Tech CSE (Roll No: 22471A05K0), has been selected by Jytra Technology.

K Chandu, Roll No. 23471A05FY(IIIrd B-Tech CSE-G2) of the Computer Science and Engineering (CSE) Department, Narasaraopeta Engineering College, Narasaraopet, participated in the technical event PromptCraft conducted under AI Ksheltra as part of Colorado 2K25 on December 26th & 27th, 2025. AI Ksheltra 2025 – a national-level technical event organized by NEXAA. R.V.R. & J.C. College of Engineering (Autonomous), affiliated to Acharya Nagarjuna University. Department: Department of CSE (AI & ML).





K Daiva vardhan, Roll No. 23471A05G8(IIIrd B-Tech CSE-G2) of the Computer Science and Engineering (CSE) Department, Narasaraopeta Engineering College, Narasaraopet, participated in the technical event PromptCraft conducted under AI Ksheltra as part of Colorado 2K25 on December 26th & 27th, 2025. AI Ksheltra 2025 – a national-level technical event organized by NEXAA. R.V.R. & J.C. College of Engineering (Autonomous), affiliated to Acharya Nagarjuna University. Department: Department of CSE (AI & ML).



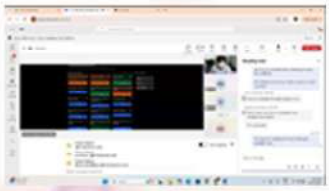
ALUMNI VOICE:

Alumni (Nidubrolu Samitha, Roll NO.23471D5813) interaction with III-B.tech students regarding Technology Trends in Software organizations.





Alumni Koppula Praveen Kumar who has started a startup RightsToSecure (RTS) in the United States, took an Online International Seminar on "Cybersecurity Awareness Program" as a part of Cyber security Awareness Month on 13th October, 2025 to our students and Faculty.



Alumni - P.Sudharshan Reddy, 15471A0568, Product Engineer, RAPIDO, pallesudarshanreddy1@gmail.com, 9490304860. Awareness on React III CSE STUDENTS.



Alumni - Manoj Sukla, 15471A05A8, Risk and Compliance Advisor, SHELL & INDIA PVT. LTD ymsukla@gmail.com, 9908531869. Awareness on Cyber Security II CSE STUDENTS.



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.

Faculty Data

Publications/ Conferences/FDP:

Dr. B. Jhansi Vazram received the National Best Teacher of the Year award from the Council for Skills and Competencies (CSC India) for her outstanding teaching contributions, highlighting her excellence in education.





Dr. B. Jhansi Vazram was recognized for her outstanding achievement in Cyber Security, Cryptography, and Network Security with the Academic Excellence Award, boasting impressive pass percentages of 95.65% and 96.99%.





Dr. Sk. Mohammed Janywas recognized for his outstanding achievement in Artificial Neural Network, Machine Learningwith the Academic Excellence Award, boasting impressive pass percentages of 95.65% and 95.05%.





K. Sireesha received the Academic was Excellence Award for outstanding achievement in Cloud Computing and Design and Analysis of Algorithms, achieving a remarkable pass percentage of 95.08 and 98.33%.





T.V. Manohar was recognized for his outstanding achievement in Operating systems , Design Thinking and Innovation with the Academic Excellence Award, boasting impressive pass percentages of 98.36% and 100%.





U. Vijay Kumar received the Academic Excellence Award for outstanding achievement in Natural Language Processing, achieving a remarkable pass percentage of 100%.





G.Nagendram received the Academic Excellence Award for outstanding achievement in Digital Marketing, achieving a remarkable pass percentage of 98.53%.

P. Vijaya Lakshmireceived the Academic Excellence Award for outstanding achievement in Human Computer Interaction, achieving a remarkable pass percentage of 98. 53%.





N.B.S.Vijay Kumar received the Academic Excellence Award for outstanding achievement in Software Engineering, achieving a remarkable pass percentage of 96.77%.

P. Neelimareceived the Academic Excellence Award for outstanding achievement in E-Commerce, achieving a remarkable pass percentage of 98.35%.





M. Ravindra Babu received the Academic Excellence Award for outstanding achievement in Advanced Data Structures, achieving a remarkable pass percentage of 96.61%.

B.Veera Brahmam participated in two FDPs:
1. FDP on Flutter for Android, iOS, and Web Apps organized by NEC College and Skill Dzire in collaboration with AICTE, from 3/11/25 to 7/11/25.



2. FDP on Cyber Security conducted by ExceLR Edtech Pvt. Ltd in collaboration with Saraswati College of Engineering and Jawaharlal Nehru New College of Engineering, from 13/11/25 to 17/11/25.





Dr. ShaikMohammed Jany received Indian Society for Technical Education Life Membership Card

N.B.S. Vijay Kumar received an NPTEL certificate for Big Data Computing with a consolidated score of 62%.





N.B.S. Vijay Kumar received an NPTEL certificate for Introduction to Machine Learning with a consolidated score of 55%.

Moulali Noorubhash received an NPTEL & FDP certificate for Software Project Management with a consolidated score of 57%.





P. Neelima received an NPTEL certificate for Artificial Intelligence : Concepts and Techniques with a consolidated score of 55%.

Student Data

An AWS Cloud Computing Workshop for all 3rd-year students of IT&CSE(AI) is taking place from 14thJuly, 2025, up to19thJuly, 2025.





Hands-On Session of AWS Cloud Computing Workshop



Photo Shoot Session of AWS Cloud Computing Workshop



The HOD of IT&CSE(AI), Jhansi Vazram, has congratulated the winning IV B. Tech students of CSE(AI) for their participation in the Hackathon-Data Analytics on July 12, 2025.



An AWS workshop was arranged for the AI-B students from the afternoon session of 21stJuly, 2025 until the weekend of 26thJuly, 2025 in Lab 1110.







The Anti-Ragging Day competitions saw impressive performances, with Sk. Nurjahan from III-year IT securing 3rd prize in Essay Writing, SD. Nazma from III year IT winning 2nd prize in Elocution, and Venkata Sai Teja from III-year IT claiming 2nd prize in Poster Presentation.







III CSE(AI) students successfully hosted an AI Vert Contest for II and III-year IT and CSE(AI) students at NEC College, Block-4 FF21 Lab on 13thSeptember, 2025.



The Smart India Hackathon Program, held from 18th-20thSeptember, 2025, in FF21 Lab, Block 4, brought together 35 teams from the IT&CSE(AI) Department to develop innovative solutions for real-world problems. This nationwide initiative encourages students to showcase their skills and creativity in addressing pressing challenges.





The AWS Cloud Computing Workshop was successfully completed for IV B.Tech IT&CSE(AI) students from September 22-27, 2025, in the III0 lab. This workshop likely covered essential topics in cloud computing.



The Smart India Hackathon 2025 is a nationwide initiative to provide students with a platform to solve real-world problems and inculcate a culture of product innovation and problem-solving. Organized by the Ministry of Education and AICTE, this hackathon brings together students, innovators, and problem solvers to build impactful solutions.Dr. B. Jhansi Vazram from the Department of IT&CSE(AI) playing a key role as Single Point of Contact and main organizer for this program highlights the department's commitment to fostering innovation and technical skills among students.







The Department of Information Technology & CSE (Artificial Intelligence) organized an innovative event titled "Idea Forge 2025" on 13th and 14th October 2025.

The program was conducted to celebrate National Innovation Day in the spirit of Dr. A.P.J. Abdul Kalam's legacy, encouraging students to develop innovative prototypes and project ideas.

Students presented various creative projects such as Gamified Learning App, Intelligent Tutor, Vision Darshan, NutriAI, and EduGuide.

The best projects were honoured with prizes —

- First Prize: Gamified Learning App
- Second Prize: Intelligent Tutor
- Third Prize: Vision Darshan
- Fourth Prize: NutriAI
- Fifth Prize: EduGuide

The event was coordinated by Mr. Uppala Vijay Kumar (Faculty Coordinator) and graced by Dr. B. Jhansi Vazram (HOD, IT & CSE (AI)) and Dr. S. Venkateswarlu (Principal), who appreciated the students' innovative efforts and creativity.





Workshop Report – IGNITE 2025

Students of the IT & CSE (AI) department participated in a 2-day workshop "IGNITE" held on October 17–18, 2025.

The workshop was conducted by Value Train Services (VTS) with support from MXC and focused on Innovation, Intrapreneurship, and Startups, encouraging students to become job creators.

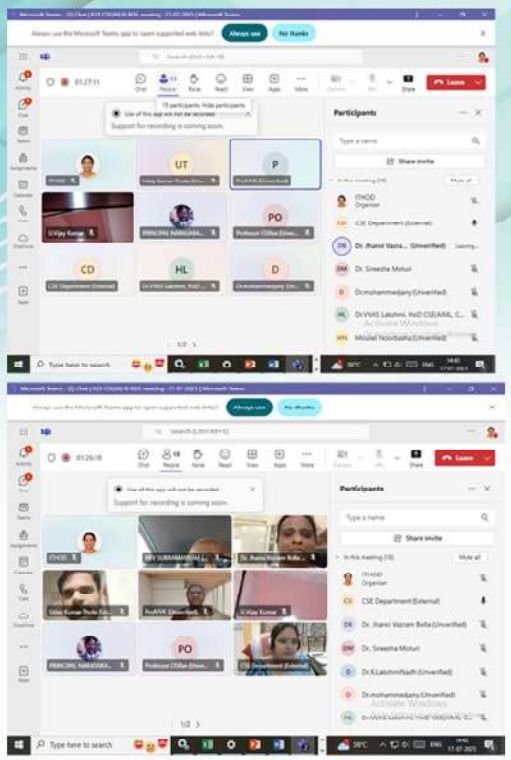
Key speakers included Mr. Chakravarthy M (Vice-Chairman, NEC Group), Mr. Varadarajan Krishna (Founder & Chairman, VTS), Mr. Tarun Krishnamurthy, Mr. Ram Maruri, and Mr. Amit Saha.

The sessions helped students learn about innovation, startup ideas, and leadership skills. It was an inspiring and informative experience for all participants.



Departmental Activities

A Virtual Meeting of the Board of Studies (BoS) for R23 CSE(AI) III is scheduled on 17thJuly, 2025, from 2:00 PM onwards. The meeting aims to discuss and finalize the Course Structure and Syllabus for R23 3-1 and 3-2.



Student Voice



N.V.S.Balaji
2347IAI287
3rd Year IT

Narasaraopeta Engineering College is one of the prestigious and renowned institute in this region. It is a privilege to be the part of this institution. I like the faculty and I feel I had the best environment for my studies I learned many new things from my teachers who were very helpful in every way they could. The teacher-student interaction was great. The teachers were very friendly because of which I could clarify many of my doubts. High quality teaching, assessments and management of learning, regular and reliable feedback on student progress and achievements.

Alumni Voice



Meghana
2347IAI287
3rd Year IT

The infrastructure of a college plays a vital role in the development of the college as the students are now focusing on the labs, classrooms, etc while selecting a college. It is important that the colleges have very good infrastructure with advanced laboratories equipped with state of the art equipment etc. Only then the students can get hands on experience with the latest technologies. Computing resources are one of the important and mandatory needs of a college.

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AI & ML)

"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:

The Author(s), under exclusive license to Springer Nature Singapore Pvt Ltd. 2025 H. Zen et al. (eds.), Soft Computing and Signal Processing, Lecture Notes in Networks and Systems 1200, https://doi.org/10.1007/978-981-97-9926-8_12

1. Dr. V V A S Lakshmi, Gujjarlamudi Mahesh Babu - The Evaluation of Data Aggregation and Compression in WSN Routing Networks Using the Best Clustering Methods.

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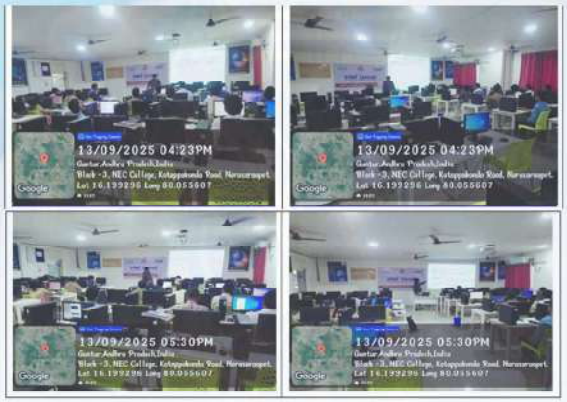
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3day FDP on Hands-On FDP on Flutter for Android, IOS and Web Apps on 3rd to 5th Nov 2025.





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Our Department Faculty got an Excellence Certificates.



Dr. V.V.A.S.Lakshmi, G.V.Neelimadhavi, G. Mahesh Babu, M. Sai Yaswanth, G. Nageswara Rao, P. Solmon, P. Sateesh Kumar, J. Syam Babu & P. Sardar Khan for the Successful Completion of a One Week Faculty Development Program on Emerging Trends and Challenges in Cyber Security Organized by the Department of CSE(AIML) held from 25th August to 30th August 2025 (KITS Autonomous)

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G. Mahesh Babu has successfully completing the course Operating System Fundamentals with consolidated score of 47% on July-Oct 2025.(NPTEL & FDP)



G. Mahesh Babu has successfully completing the course Deep Learning - IIT Ropar with consolidated score of 55% on July-Oct 2025.(NPTEL & FDP)



P. Srinivasa Rao has successfully completing the course Deep Learning - IIT Ropar with consolidated score of 60% on July-Oct 2025.(NPTEL Elite & FDP)



A. Veema Rao, J. Syam Babu & M. Sai Yaswanth has attended A Five-Day National Level Online FDP on "Emerging paradigms in Quantum Computing for Next-Generation Technologies: AI, VLSI, and Secure Communication" organized by KITS Autonomous Guntur from 10th to 14th Nov 2025.



J. Syam Babu for successfully completing the course Introduction to Internet of Things with consolidated score of 58% on July – Oct 2025 (NPTEL & AICTE FDP).



N. Siva Rama Krishna for successfully completing the course Introduction to Internet of Things with consolidated score of 54% on July – Oct 2025 (NPTEL).





K. Mounika for successfully completing the course Introduction to Internet of Things with consolidated score of 53% on July – Oct 2025 (NPTEL).

P. Srinivasarao for successfully completing the course Introduction to Machine Learning with consolidated score of 48% on July – Oct 2025 (NPTEL).





P. Sardar Khan for successfully completing the course Introduction to Machine Learning with consolidated score of 60% on July – Oct 2025 (NPTEL ELITE).

Ceritificate of Appreciation to P. Srinivasarao for being recognized as NPTEL motivated learner Jul-Dec 2025.





Ceritificate of Appreciation to U. Vijay Kumar has participated as Resource Person / Jury member and successfully conducted the event in District Level Science Fair held at PNC & KR College, NRT on 19th Dec 2025.

WEBINARS , WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

All the 2023 Batch III Year I Semester students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'Data Security Tools and Techniques' during 07th – 12th July, 2025 in collaboration with Supraja Technologies.



All the 2024 Batch II Year I Semester 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 July, 2025 in collaboration with Viksha Tech Solutions (OPC) Private Limited..



Savantis Solutions On Campus (Physical) Drive – 18th July, 2025 for AIML, CS, DS IV Year Students.



All the III Year I Semester students are hereby informed that our department and TechnoElite Club, is going to organize a one-day seminar on "Prompt Engineering" on August 6, 2025.



All the III B.Tech. Students are hereby informed that our department and Technoelite Club, is going to organize a one-day seminar on "Cloud Computing Gateway to a High-Demand Tech Career" on August 11, 2025.



All the IV B.Tech. Students are hereby informed that our department and Technoelite Club, is going to organize a one-day seminar on "Power Automate" on August 12, 2025.



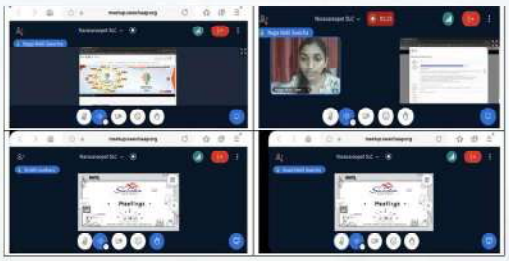
IV Year I Semester CSE (AIML) Students CRC was constituted for the academic year 2025-26 on 08-09-2025.



All II & III year students are hereby informed that our department and technoelite club are going to organize an exciting MCQ Quiz Competition on the occasion of Engineers' Day.



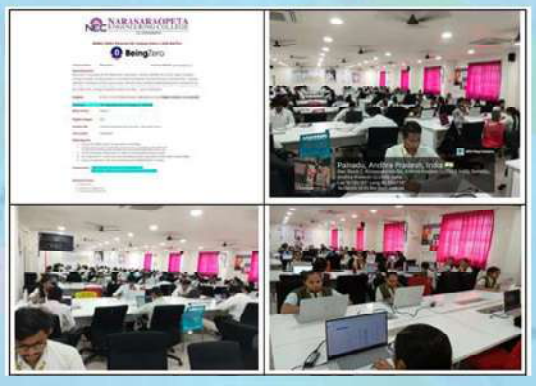
All II, III, and IV year students registered for SIH-2025 are hereby informed that the TechnoElite Club, in association with Swecha, is organizing an Online Orientation on Smart India Hackathon on 13-09-2025.



All the students of II Year are hereby informed that TechnoElite Club is going to organize a session on Peer Learning on "Threat Hunting: Techniques & Practices in Cyber Security" will be conducted as per the details below: Date: 12-9-2025 (II Year AIML). Resource Persons (Peers): 1. K. Sai Amar Durgesh (23471A4619), 2. M. Harsha Vardhan (23471A4626).



IV Year AIML, CS, DS Eligible Students BEING ZERO Physical ON Campus Drive – 2026 Batch on 16th Sep 2025.



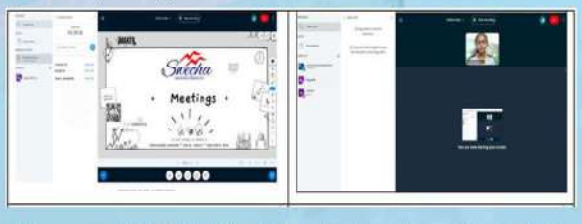
IV Year AIML, CS, DS Eligible Students UTS (Unistring Tech Solutions) Physical ON Campus Drive – 2026 Batch on 24th Sep 2025.



IV Year AIML, CS, DS Eligible Students TAP Academy Physical On Campus Drive – 2026 Batch on 10th Oct 2025.



IV B.Tech. I Sem AIML, CS, DS students are hereby informed that the Department is organizing Technical Mock Interviews in association with Swecha on 12th Oct 2025 (Sunday).



III Year I Semester CSE (AIML)-A Class Review Committee (CRC) meeting in HoD room on 14-10-2025.



Workshop & Hackathon for 25 Batch Ist Year B.Tech. Students has Join The Excitement at Code Challenge 2025 on 22nd November 2025.



All the III Year II Semester CSE(AIML, AI), AIML students are hereby informed that TechnoElite, ISTE and our department is going to organize a one-week workshop on 'Building the Future - Practical Applications of Generative AI and LLM Models' during 24th – 29th November, 2025.



All the III B.Tech. Students are hereby informed that our department and Technoelite Club, is going to organize a one day seminar on "Innovating with Data: Awareness Program on Data Science and AI/ML Technologies" on December 03, 2025.



NEC opens its new "AI Center" of Excellence with WeXL. The Grand inauguration of the "Center of Excellence in AI" was held on 9th December. WeXL is an innovation and learning hub that promotes experiential learning and industry exposure. It helps students develop practical skills through hands-on projects, technology and real-world problem solving.



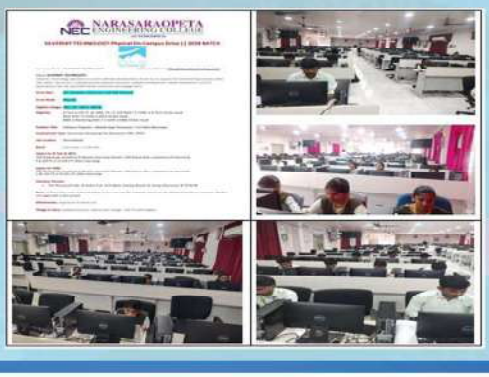
Our department organised Parent – Teacher Meeting on 13th December 2025. The meeting aims to discuss students' academic progress and college events, extra-curricular activities, and workshops.



IV Year AIML, CS, DS Eligible Students APMOSYS Physical on Campus Drive – 2026 Batch on 09th Dec 2025.



IV Year AIML, CS, DS Eligible Students Silver sky Technology Physical on Campus Drivc – 2026 Batch on 18th Dec 2025.



IV Year AIML, CS, DS Eligible Students Technoparin Soft Drive Physical On Campus Drive – 2026 Batch on 20th Dec 2025.



All the II B.Tech. Students are hereby informed that our department and Technoelite Club, is going to organize a one day seminar on "6-Day Hands-On Workshop on Python, NumPy & Pandas with EDA & Projects (Fynity Innovations)" on 15th to 19th December 2025.



IV AIML, CS, DS JYTRA Technology Physical Combined Campus Drive on 23rd Dec 2025.



STUDENT FOCUS NPTEL

Course Details

Student Details	Title	Course Duration	No. of Students Completed
24 Batch II-I	Python for Data Science	12 weeks Program	30

EXTRA CIRRCULAR ACTIVITIES STUDENT ACHIEVEMENTS:-

All Cream Batch Students got to Java Full Stack with AI & Mern Full Stack with AI Certificates.



A Proud Moment of IT IIC 8.0 _ R. Gopinath Reddy — The Visionary Founder of Ranbridge Services Private Limited and Pursued in the CSE(AIML)-23471A4245 — who shared exceptional ideas during the Two-Day National Level Programme on Intellectual Property Rights – National IP Yatra held at KL University, supported by the Ministry of MSME and organized by FSME India.





Ch. Maruthi Srinivasa Raju CSE (AI) student has presented the college YOGA (M) team in the JNTUK Central Zone Collegiate Yogasanna Men & Women Championship Cum University team selection trails held at Buchepalli Venkayamma Subbareddy Engineering College, Chimakurthy on 2nd Dec 2025. The Team Secured Ist Place.



IV AIML Student M. Sai Srija We are pleased to offer you the position of Jr. Software Engineer – Intern (Full Stack Development) at KSR Datavizon Pvt. Ltd., Your internship will be of six (6) months duration, beginning on the reporting date (15/12/2025). During this period, you will receive a monthly stipend of ₹5,000.



II Year CSE (CS) Student & CSE (AI) Student has won the Batminton Game in Hindu College Fest.



II Year CSE (CS) Student & CSE (AI) Student has won the Batminton Game in VRS College Fest.



STUDENT'S VOICE:



22471A4212
J. Richard Mark

As a Fourth 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.

DEPARTMENT OF CSE(CYBER 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) - 49

• 2023 Batch (Lateral Entry) - 1

FACULTY FOCUS

INTERNATIONAL JOURNALS:

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DEPARTMENT OF CSECYBER SECURITY

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DEPARTMENT OF CSECYBER SECURITY

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G. Mahesh Babu has successfully completing the course Deep Learning - IIT Ropar with consolidated score of 55% on July-Oct 2025.(NPTEL & FDP)



P. Srinivasa Rao has successfully completing the course Deep Learning - IIT Ropar with consolidated score of 60% on July-Oct 2025.(NPTEL Elite & FDP)



A. Veema Rao, J. Syam Babu & M. Sai Yaswanth has attended A Five-Day National Level Online FDP on "Emerging paradigms in Quantum Computing for Next-Generation Technologies: AI, VLSI, and Secure Communication" organized by KITS Autonomous Guntur from 10th to 14th Nov 2025.



J. Syam Babu for successfully completing the course Introduction to Internet of Things with consolidated score of 58% on July – Oct 2025 (NPTEL & AICTE FDP).



N. Siva Rama Krishna for successfully completing the course Introduction to Internet of Things with consolidated score of 54% on July – Oct 2025 (NPTEL).





K. Mounika for successfully completing the course Introduction to Internet of Things with consolidated score of 53% on July – Oct 2025 (NPTEL).

P. Srinivasarao for successfully completing the course Introduction to Machine Learning with consolidated score of 48% on July – Oct 2025 (NPTEL).





P. Sardar Khan for successfully completing the course Introduction to Machine Learning with consolidated score of 60% on July – Oct 2025 (NPTEL ELITE).

Ceritificate of Appreciation to P. Srinivasarao for being recognized as NPTEL motivated learner Jul-Dec 2025.





Ceritificate of Appreciation to U. Vijay Kumar has participated as Resource Person / Jury member and successfully conducted the event in District Level Science Fair held at PNC & KR College, NRT on 19th Dec 2025.

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DEPARTMENT OF CSECYBER SECURITY



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Savantis Solutions On Campus (Physical) Drive – 18th July, 2025 for AIML, CS, DS IV Year Students.



All the III Year I Semester students are hereby informed that our department and TechnoElite Club, is going to organize a one-day seminar on "Prompt Engineering" on August 6, 2025.



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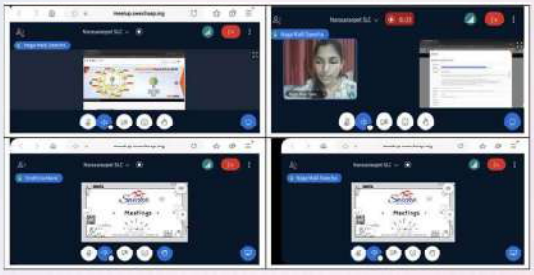


IV Year I Semester CS Students CRC was constituted for the academic year 2025-26 on 10-09-2025.



All II, III, and IV year students registered for SIH-2025 are hereby informed that the TechnoElite Club, in association with Swecha, is organizing an Online Orientation on Smart India Hackathon on 13-09-2025.

DEPARTMENT OF CSECYBER SECURITY

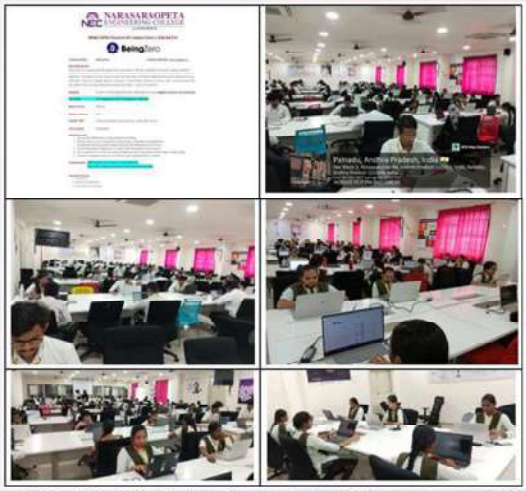


All the students of II Year are hereby informed that TechnoElite Club is going to organize a session on Peer Learning on "Threat Hunting: Techniques & Practices in Cyber Security" will be conducted as per the details below: Date: 11-9-2025 (II Year CS)

Resource Persons (Peers): 1. K. Sai Amar Durgesh (23471A4619), 2. M. Harsha Vardhan (23471A4626).



IV Year AIML, CS, DS Eligible Students BEING ZERO Physical ON Campus Drive – 2026 Batch on 16th Sep 2025.



IV Year AIML, CS, DS Eligible Students UTS (Unistring Tech Solutions) Physical ON Campus Drive – 2026 Batch on 24th Sep 2025.



III Year I Semester CSE (CS) Class Review Committee (CRC) meeting in HoD room on 14-10-2025.



II Year I Semester CSE (CS) Class Review Committee (CRC) meeting in HoD room on 14-10-2025.



Workshop & Hackathon for 25 Batch Ist Year B.Tech. Students has Join The Excitement at Code Challenge 2025 on 22nd November 2025.



All the III Year I Semester CSE (CS) students are hereby informed that TechnoElite, ISTE and our department is going to organize a 5 Days Practical Hands-on Workshop on 'Vulnerability Assessment Penetration Testing (VAPT) and next followed by one day Hackathon' during 24th – 29th November, 2025.



DEPARTMENT OF CSECYBER SECURITY



All the III B.Tech. Students are hereby informed that our department and Technoelite Club, is going to organize a one day seminar on "Innovating with Data: Awareness Program on Data Science and AI/ML Technologies" on December 03, 2025.



NEC opens its new "AI Center" of Excellence with WeXL. The Grand inauguration of the "Center of Excellence in AI" was held on 9th December. WeXL is an innovation and learning hub that promotes experiential learning and industry exposure. It helps students develop practical skills through hands-on projects, technology and real-world problem solving.



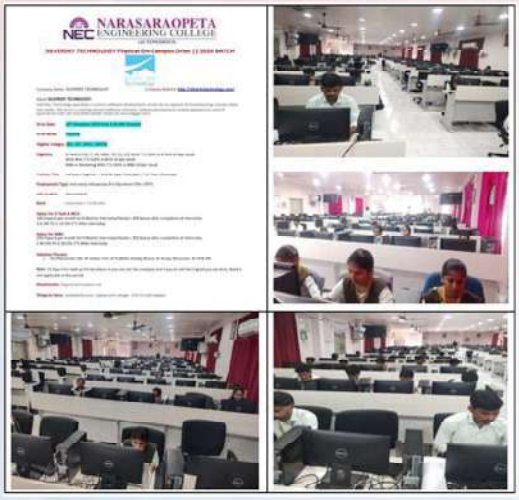
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IV Year AIML, CS, DS Eligible Students APMOSYS Physical on Campus Drive – 2026 Batch on 09th Dec 2025.



IV Year AIML, CS, DS Eligible Students Silver sky Technology Physical On Campus Drive – 2026 Batch on 18th Dec 2025.



IV Year AIML, CS, DS Eligible Students Technoparin Soft Drive Physical On Campus Drive – 2026 Batch on 20th Dec 2025.

DEPARTMENT OF CSECYBER SECURITY



All the II B.Tech. Students are hereby informed that our department and Technoelite Club, is going to organize a one day seminar on "6-Day Hands-On Workshop on Python, NumPy & Pandas with EDA & Projects (Fynity Innovations)" on 15th to 19th December 2025.



STUDENT FOCUS NPTEL
Course Details

Student Details	Title	Course Duration	No. of Students Completed
24 Batch II-I	Python for Data Science	12 weeks Program	15

EXTRA CIRRCULAR ACTIVITIES
STUDENT ACHIEVEMENTS:-

All Cream Batch Students got to Java Full Stack with AI & Mern Full Stack with AI Certificates.



NEC students with faculty at WeXL centre Hyderbad participating in a workshop on 25th Sep 2025.



II Year CSE (CS) Student & CSE (AI) Student has won the Batminton Game in Hindu College Fest.



II Year CSE (CS) Student & CSE (AI) Student has won the Batminton Game in VRS College Fest.



STUDENT'S VOICE :

As a Fourth 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) - 1

FACULTY FOCUS
INTERNATIONAL JOURNALS:

The Author(s), under exclusive license to Springer Nature Singapore Pvt Ltd. 2025 H. Zen et al. (eds.), Soft Computing and Signal Processing, Lecture Notes in Networks and Systems 1200, https://doi.org/10.1007/978-981-97-9926-8_12

1. V. V. A. S. Lakshmi, Gujjarlamudi Mahesh Babu - The Evaluation of Data Aggregation and Compression in WSN Routing Networks Using the Best Clustering Methods.

2. Puttamraju Srinivasa Rao, Danda Sreekanth - Improved AODV Routing Protocol Development and Analysis for Enhanced Network Performance in MANETs Based on Machine Learning Model.

3. Nalabothu Siva Rama Krishna - The Augmentation of Social Media and Its Notable Impact on Sentiment Research Review Systems for Public Movie Theaters Using Deep Learning.

4. Gundala Nageswara Rao - Prediction of Distinctive Human Behavioral Activity Using PIFP and Big Data Methods. 5. Dr. VVAS Lakshmi & P V Sateesh Kumar for the Paper Titled Auto Prognosis-M++: Uncertainty-Aware Multimodal Ensemble Leaning for Interpretable and Efficient Clinical Diagnosis presented at the 5th International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2025) Organized by Dept of IT, Hindusthan Institute of Technology, Coimbatore, India on 24-26 November 2025. 6. P V Sateesh Kumar & N. Siva Rama Krishna for the Paper Titled Heuristic-based Multi-Objective RSU Deployment and Adaptive Repositioning for Secure Internet of Vehicles presented at the 5th International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2025) Organized by Dept of IT, Hindusthan Institute of Technology, Coimbatore, India on 24-26 November 2025.

7. J. Syam Babu has Presenting a Paper Titled Smart Tourism Management System: An Enhancement of Traditional Travel Platforms Using Real-Time Technologies in the 2025 IEEE International Conference on Innovate for Humanitarian Tech Solutions for Global Challenge (ICIII) Acropolis Institute of Technology and Research, Indore 21st – 22nd November 2025.

8. P. Srinivasarao has Presenting a Paper Titled Simultaneous Localization and Mapping (SLAM) Algorithm Development Using 2-D LiDar in the 2025 IEEE International Conference on Innovate for Humanitarian Tech Solutions for Global Challenge (ICIH) Acropolis Institute of Technology and Research, Indore 21st – 22nd November 2025.

9. D. Sreekanth has Presenting a Paper E-Commerce Transaction Fraud Detection Using Machine Learning Technique at the Conference organized by the National Institute for Engineering and Research (NIER) held on 1st November 2025 at Trivendrum - India.

10. V.V A S Lakshmi has successfully presented the paper titled Lifecycle-Wide AI Security Enhancement Using Generative AI: A Unified Framework for Robustness, Privacy and Self-Healing in the 5th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2025) held on 26-28 Nov 2025.

FDPS ATTENDED:

Awareness on NBA Accreditation – Resource Person: Dr. P. Hari Krishna Prasad.



3day FDP on Hands-On FDP on Flutter for Android, IOS and Web Apps on 3rd to 5th Nov 2025.





Department of CSE (Data Science)



Our Department Faculty got an Excellence Certificates.



Dr. V.V.A.S.Lakshmi, G.V.Neelimadhavi, G. Mahesh Babu, M. Sai Yaswanth, G. Nageswara Rao, P. Solmon, P. Sateesh Kumar, J. Syam Babu & P. Sardar Khan for the Successful Completion of a One Week Faculty Development Program on Emerging Trends and Challenges in Cyber Security Organized by the Department of CSE(AIML) held from 25th August to 30th August 2025 (KITS Autonomous)

J. Syam Babu participated in Faculty Development Program on Cloud Computing Organized by the J B Institute of Engineering & Technology (JBIET), Hyderabad, Telangana in Collaboration with ExcelR Edtech Pvt. Ltd Date: 14th July to 18th July 2025.



G. Mahesh Babu has successfully presented the paper entitled Firewall Configuration Review Tool with Secure Data Transmission at the 6th International Conference on Smart Electronics and Communication (ICOSEC 2025) organised by Kongunadu College of Engineering and Technology, Trichy, India on 24-26, September 2025.

G. Mahesh Babu for demonstrating competence in the completion of Fundamentals of Deep Learning on 26th September 2025.



Department of CSE (Data Science)

Dr. V V A S Lakshmi for successfully completing the course Data Base Management System with a consolidated score of 58% on July–Sep 2025.





Dhulipalla Umasankar for successfully completing the course Technical Communication for Engineers with a consolidated score of 79% on July–Aug 2025.

N. Siva Rama Krishna for successfully completing the course Python for Data Science with a consolidated score of 51% on July–Aug 2025.





D. Sreekanth for successfully completing the course Python for Data Science with a consolidated score of 51% on July–Aug 2025.

G. Mahesh Babu & N. Siva Rama Krishna has successfully presented the paper titled Deep Learning-based Plant Leaf Disease Detection at the 7th International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2025) Organised by RVS College of Engineering Technology, Coimbatore, India on 6th to 8th October 2025.



Gujjarlamudi Mahesh Babu has presented the paper entitled Predicting Mental Health Conditions from Survey Data at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025) (IEEE), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th –20th , September 2025.



Gujjarlamudi Mahesh Babu has successfully presented the paper entitled Interpretable Deep Learning for Pancreatic Cancer Diagnosis using TabNet and Shapley Addictive Explanations (IEEE) at the 2nd International Conference on Electronic Circuits and Signaling Technologies ICECST 2025, organized by Lincoln University College Petaling Jaya, Malaysia on 23rd –25th , October 2025.



M. Sai Yaswanth, J. Syam Babu has successfully presented the paper titled Performance Assessment of Feature Ranking Algorithms for Breast Cancer Prediction at the 9th International Conference on Electronics, Communication and Aerospace Technology ICECA 2025 on 5th to 7th November 2025.



M. Sai Yaswanth has successfully presented the paper titled Unresolved Challenges and Future Directions in AI-Based Skin Cancer Detection: A Review of Data Diversity, Model Interpretability, and Clinical Integration at the 9th International Conference on Electronics, Communication and Aerospace Technology ICECA 2025 on 5th to 7th November 2025.



G. Nageswara Rao & Ch. Padma for the successfully completion of a One Week FDP (Hybrid) on "Innovation & Research Opportunities in Cyber Security" Organized by the Department of CSE (AIML) held from 27th October 2025 to 1st November 2025.



N. Siva Rama Krishna has successfully participated & completed AICTE Training and Learning (ATAL) Academy FDP on Demystifying Transformers: The Brains behind Generative AI at Vellore Institute of Technology from 25th Aug to 30th Aug 2025.



Department of CSE (Data Science)



Veema Rao has successfully completing the course Software Engineering with consolidated score of 53% on July-Oct 2025.(NPTEL & FDP)



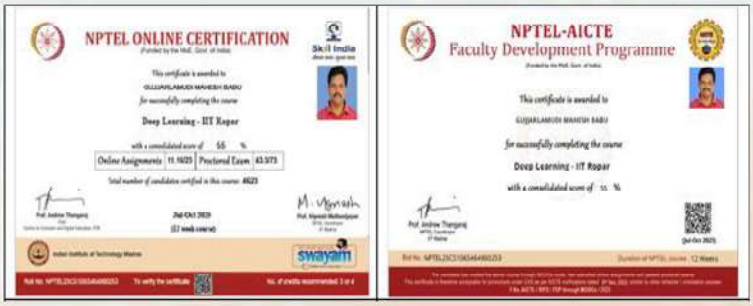
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Department of CSE (Data Science)

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Department of CSE (Data Science)

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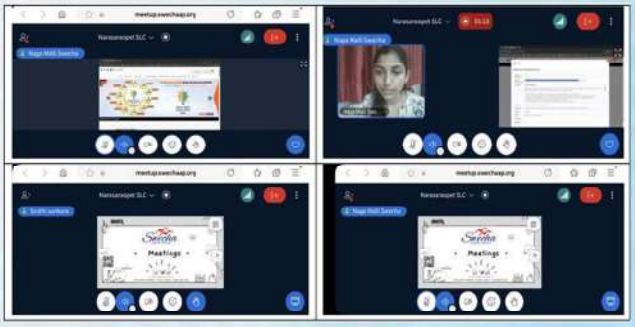
IV Year I Semester DS Students CRC was constituted for the academic year 2025-26 on 08-09-2025.



All II & III year students are hereby informed that our department and technoelite club are going to organize an exciting MCQ Quiz Competition on the occasion of Engineers' Day.



All II, III, and IV year students registered for SIH-2025 are hereby informed that the TechnoElite Club, in association with Swecha, is organizing an Online Orientation on Smart India Hackathon on 13-09-2025.



All the students of II Year are hereby informed that TechnoElite Club is going to organize a session on Peer Learning on "Threat Hunting: Techniques & Practices in Cyber Security" will be conducted as per the details below: Date: 13-9-2025 (II Year DS).



IV Year AIML, CS, DS Eligible Students BEING ZERO Physical ON Campus Drive – 2026 Batch on 16th Sep 2025.



Department of CSE (Data Science)



III B.Tech I Semester CSE (DS) Students CRC was constituted for the academic year 2025-26 on 20-09-2025.



IV Year AIML, CS, DS Eligible Students UTS (Unistring Tech Solutions) Physical ON Campus Drive – 2026 Batch on 24th Sep 2025.



II Year I Semester CSE (DS) Class Review Committee (CRC) meeting in HoD room on 14-10-2025.



Workshop & Hackathon for 25 Batch Ist Year B.Tech. Students has Join the Excitement at Code Challenge 2025 on 22nd November 2025.



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Department of CSE (Data Science)

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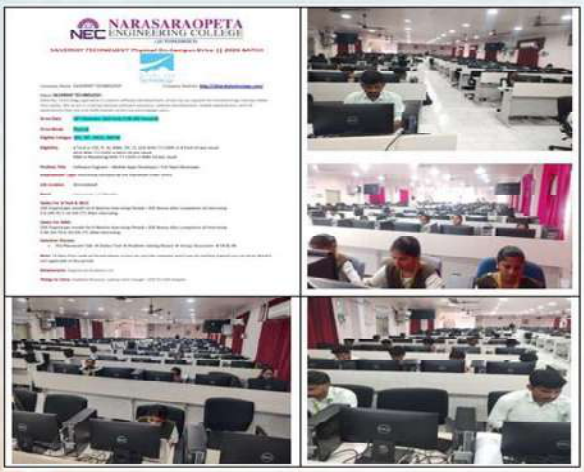




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Department of CSE (Data Science)

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STUDENT FOCUS NPTEL Course Details

All Cream Batch Students got to Java Full Stack with AI & Mern Full Stack with AI Certificates.





IV-I CSE(Data Science) students were the winners of the Smart India Hackathon (SIH) 2025 Grand Finale held at KKR & KSR Institute of Technology and Sciences,Guntur.The winning teams solved the problem of identifying mudras in Bharatiya natya forms and received certificates and awards on stage.



STUDENT'S VOICE:



As a Fourth 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.

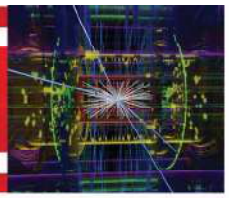
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22471A4432
M.Ch. Dedeepya



DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Communication Empowers



New Trends in Technology

Quantum computers:

Quantum computers are a revolutionary type of machine that use the principles of quantum mechanics—like superposition and entanglement—to perform calculations far beyond the capability of classical supercomputers.

Instead of using classical bits (which store information as a 0 or a 1), quantum computers use qubits. A qubit can exist as a 0, a 1, or both simultaneously (superposition). This allows the computer to test millions of possibilities in parallel, leading to an exponential increase in processing power with every added qubit.

They are not meant to replace your personal laptop but are designed for specialized, complex problems. Potential applications include:

- **Drug and Materials Discovery:** Precisely simulating molecular interactions.
- **Optimization:** Solving complex logistics and financial modelling problems (e.g., portfolio optimization).
- Cryptography: Breaking current encryption methods (though they are a lso driving new, quantum-safe encryption).

The technology is currently in the NISQ (Noisy Intermediate-Scale Quantum) era, meaning current devices are fragile and prone to errors. However, major tech companies like IBM and Google are rapidly achieving breakthroughs in quantum error correction, aiming for "quantum advantage"—where a quantum machine definitively outperforms the best classical one—in the coming years.

FACULTYFOCUS

1. Dr. Mohiddin Shaw Professor and Heard of the department of BS&H has participated in 7th International Conference on Advances in Electrical and Computer Technologies 2025(ICAECT 2025) and Presented a research paper entitled "A Data Safety Method that uses an Adjacent Matrix that Represents the graph to acquire the key for both Decryption and Encryption", Organized by Sengunth Engineering College , Tiruchengode, Tamil Nadu during 24th - 25th July 2025.

2. Dr. Mohiddin Shaw Professor and Heard of the department of BS&H has actively contributed as a Reviewer in the 3-Day International Conference on "Advancing Innovations Through Mathematics: A Journey Across Disciplines (AITM-2025)", Organized by department of mathematics in association with the Institution's Innovation Council(IIC), Bapatla Engineering College, Bapatla held from 8-9-2025 to 12-9-2025.

3. Dr. V. Aruna, Assoc Professor of English participated in 2 day international conference and Digital Humanities, Cognitive Linguistics and Contemporary Literatures organized by Dept. of English , in collaboration with Cambridge University Press & Assessment at KL University Guntur on 11th & 12th August 2025 and presented a paper titled " Mapping Voices: Linguistic Landscapes as Gateways to Cultural Identity and Representation."

4. Dr. V. Aruna, Assoc. Professor of English has successfully completed a certificate course on Sustainable happiness conducted by NPTEL.

5. Dr. V. Aruna, Assoc. Professor of English has completed the online workshop on "career development: Grow your communication by prof. Devdip Purkayastha, Desal Sethi school of Entrepreneurship, IIT Bombay in the month of July conducted by NPTEL.

6. Dr.G.R. K Murthy asst professor of English Completed a certificate course on "Sustainable Happiness" July September conducted by NPTEL.

7. Mr. M.Purnachandrarao, Asst.Professor of English participated in 2 day international conference and Digital Humanities, Cognitive Linguistics and Contemporary Literatures organized by Dept. of English , in collaboration with Cambridge University Press & Assessment at KL University Guntur on 11th & 12th August 2025 and presented a paper titled "Dislocation and Identity A Post-Colonial reading of amithav Ghosh's the circle of reason ."

8. Mr. M. Purnachandrarao, Asst.Professor of English participated in 8-day International Faculty Development com Short term course on "Relevant research methodologies in English Language and Literature: 21th Century perspective with AI and Technological Integration" Organized by department of English Pragati Engineering College from August 10th to 17th 2025.

9. Mr. M. Purnachandrarao, Asst.Professor of English attended in a 6-Day online faculty development program "Synergizing Transformative Pedagogy and AI- Driven Strategies: Innovative Approaches in ELT, Literature, Research, Methodology and Entrepreneurship" held during 27th Oct 2025 to 1 Nov 2025 organized by the department of BS&hH (English and CVR College of Engineering, Hyd.

10. Dr. Poli Reddy Asst.Professor of Physics was successfully completed the 5-day National level Professional Development program (PDP) on Quantum Computing held from 21st oct to 25th oct 2025 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyd in collaboration with the Blackbucks Group.

11. Dr. Poli Reddy Asst.Professor of Physics has participated in 1-Day National Webinar on "Recreating the Early Universe in the Laboratory: Exploring the Quark- Gluon Plasma" Organized by Department of Physics, Koneru Lakshmaiah Education Foundation, Guntur on 30th august 2025.

DEPARTMENT OF MBA

Manager - He, who do things right

Vision

To provide world class learning experience in the field of management and develop leadership capabilities to withstand global challenge thus make MBA distinctive, Research oriented and professional programme 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 student to upgrade their knowledge and sharpen the skills

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

New Trend In Business

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. T. Mallikarjuna Rao for successfully completing the course of Direct Tax Laws and practice with a consolidated score of 50%. Jan-2025 semester

2. T. Swathi for successfully completing the course of Foundations of Marketing Essentials with consolidated score of 52.5%. Jan-2025 semester

3.D.V.Nageswara Rao for successfully completing the course of Financial Accounting with consolidated score of 80%. Jan-2025 semester

4. T.Swathi, N.Usha Deepa Sundari,D.Satish Babu, Sd Salma has successfully participated in IP awareness / training programming under National Intellectual Property awareness machine on 04th July 2025

5. T.Swathi, N.Usha Deepa Sundari, Sd Salma has successfully participated a six day faculty development programme on Prompt Engineering and ChatGPT utilization organized by department of I.T in association with Techno Future India held from 14th -19th July 2025.

6. Dr.M.Aravind has participated in three day online faculty development program title "Enhancing Research and Publication Capabilities" conducted from 11th to 13th August 2025 organized by Mallareddy College of Engineering Secunderabad.

7. Dr.K.Anil Kumar (55%) , I.Sridhar (60%)& D.Satish Babu (55%) has successfully completing the course of Corporate Social Responsibility with consolidated scored secured NPTEL online certification of July-Sept -2025.

8. Dr. M. Aravind for the successful completion of 10 days online International FDP on Transforming research into Quality Publication tools Techniques Practices from 30th October – 08th November 2025 organized by Annamacharya University

9. Dr. M. Aravind for successfully completion the course The joy of Computing using Python with a score of 65%

10. Mr. J. Rajesh has attended a Five day National Level Online FDP on Emerging paradigms in Quantum computing for next generation technologies : AI,VLSI & Secure communications from 10th to 14th November 2025 organized by KKR&KSR institute of technology and science.

11. D.V. Nageswara Rao for successfully completing the course management accounting with consolidated score of 64%.

Departmental Activities

1. MBA Department celebrated Graduation Day for 2023 Batch of MBA on 30th August 2025 and awarded medals for toppers.

1. D. Pavan Priya (23471E0086)
2. Sk. Salma (23471E00C2)
3. G. Dhana Lakshmi (23471E0014)





2. Internal academic audit is completed in mba department by academic audit co-ordinators i.e Dr.Y. Lakshman Kumar (BS&H) & Dr. Siva Nageswararao (ECE) on 24-09-2025

3. MBA Department conducted Internal ISO audit verification on 10-10-2025.



4. MBA Department celebrated Constitution Day on 26 November 2025 the theme of 75 year democracy dignity and development by T. Amulya advocate Notary, Narasaraopeta.

5. MBA Department organized a Workshop on super human potential activation on 27-11-2025 by Mind Vision Venugopal.





Workshops/Seminars/Industrial visits/Webinars

Student Training Activities

I MBA I SEM
Types of voice, Essay Writing Arithmetic
50 Members
03-11-2025 to 08-11-2025





Curricular & Co-Curricular activities (Sports)

1. D. Divya Charana (24471E0070) II MBA has participated in the event painting and won the consolidation prize organized on 12-08-2025 event of Independence Day celebrations



2. MBA I & II year students are participated in the event of Innovation Day 2025 and won the prizes on 13-10-2025

1.P.Hazara (1st Prize)
2.Sk.Mahi Showkath (1st Prize)
3. Sk.Arif ((1st Prize)
4.Sk.Arif (1st Prize)
5. G.Harshitha (5th Prize)
6.U.Mahesh raju
7.Sk.Thaslim
8. G.Kavitha
9.K.Aravind Reddy (3rd Place)
10.A.Udaya Bhaskar(3rd Place)
11.J.Oliver Cliford

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.

II MBA III 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

1. Provide knowledge of modern software tools to face today's competitive challenges.
2. Equip students with strong employability and industry-relevant skills.
3. 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.

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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.

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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.

Serverless computing is an execution model for the cloud in which a cloud provider dynamically allocates—and then charges the user for—only the compute resources and storage needed to execute a particular piece of code. Naturally, there are still servers involved, but their provisioning and maintenance are entirely taken care of by the provider.

---

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.

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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

Placements

Savantis:

We are proud to announce that 12 of our students have been successfully selected by Savantis Company with attractive salary packages. This achievement reflects their hard work, technical skills, and the quality of training provided by our institution.

Banner



S. No	Roll No	Student Full Name	College	Branch
1	24471F0015	Vaishnavi Guntupalli	NEC	MCA
2	24471F0018	Lakshmi Bharathi Jajula	NEC	MCA
3	24471F0020	NeelimaSasi Kancharagunta	NEC	MCA
4	24471F0029	Sai Nikitha Muggu	NEC	MCA
5	24471F0030	Jayasri Nakka	NEC	MCA
6	24471F0033	Sirisha Pagadala	NEC	MCA
7	24471F0042	Asha Shaik	NEC	MCA
8	24471F0043	Jasmin Hasmad Shaik	NEC	MCA
9	24471F0047	Lakshmi Chandrika Tirumalastty	NEC	MCA
10	24471F0048	Kusuma Uppu	NEC	MCA
11	24471F0051	Naga Jyothi Amarthapudi	NEC	MCA

Tap Academy

Three students from our institution have secured placements at Tap Academy, marking another milestone in our placement record.

Banner



S. No	Roll No	Student Full Name	College	Branch
1	24471F0006	BONDIGALA JANAKIRAM	NEC	MCA
2	24471F0020	KANCHARAGUNTA NEELIMASASI	NEC	MCA
3	24471F0074	MANNETI NAGA LAKSHMI	NEC	MCA

Joyalukkas

We are happy to share that 1 of our student have secured placements at Joyalukkas with good packages.

Banner



Selected List

S. No	Roll No	Student Full Name	College	Branch
1	24471F0007	DAMMALAPATI RAMA KRISHNA	NEC	MCA

HCL

We are proud to announce that 4 of our students have been successfully selected by HCL with good packages. This achievement reflects their technical competence and consistent efforts.

Banner



Selected List

S. No	Roll No	Student Full Name	College	Branch
1	24471F0015	Vaishnavi Guntupalli	NEC	MCA
2	24471F0019	Abhi Sathvika Kanakam	NEC	MCA
3	24471F0026	Srideepika Maddipati	NEC	MCA
4	24471F0043	Jasmin Hasmad Shaik	NEC	MCA

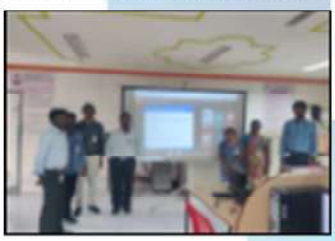
WORK-Shops & Seminars

1. AI-driven Social Networks Analysis

Banner



The IQAC and Department of MCA, Narasaraopeta Engineering College, organized a One-Day International Webinar on "AI-driven Social Networks Analysis" on December 3, 2025, in association with NITTTR, Chandigarh. The webinar aimed to create awareness about the latest advancements in Artificial Intelligence and its role in social network analysis.





An expert speaker from NITTTR, Chandigarh explained the fundamentals of social network analysis and the integration of AI and machine learning techniques. The session highlighted AI-driven algorithms used for pattern detection, community analysis, and trend prediction. Real-time examples and case studies demonstrated practical applications in social media, marketing, cybersecurity, and healthcare. Faculty members and MCA students actively participated in the online session through Google Meet and from the MCA Lab. The interactive discussion and question-and-answer session enhanced participants' understanding of the subject. Students gained insights into AI-based tools, sentiment analysis, and influence detection techniques. The program motivated participants to explore research and career opportunities in AI and data science. Overall, the webinar contributed significantly to technical knowledge enhancement and quality improvement initiatives under IQAC.

2. Celebration of Constitution day on 26th November





November 26 the 75th Indian Constitution Day celebrations were held grandly at Narasaraopeta Engineering College under the joint organization of the ICIC Cell and the MBA Department. The programme was conducted to create awareness among students about the importance of the Indian Constitution.

The chief guests, Advocate Ms. Amulya and Mind Vision Mr. Venugopal Rao, addressed the students and explained that November 26, 1949 is the day on which the Indian Constitution was adopted by the Constituent Assembly. They emphasized that citizens should protect their fundamental rights while also fulfilling their duties responsibly. The guests also explained various current laws to the students.



On this occasion, the College Principal, Mr. S. Venkateswarlu, stated that the Indian Constitution is the largest written constitution in the world, consisting of 448 Articles, 12 Schedules, and 25 Parts, and highlighted that it is everyone's responsibility to protect and uphold it.

He also mentioned that, on the occasion of Dr. B. R. Ambedkar's 125th birth anniversary, the Honorable Prime Minister Shri Narendra Modi declared November 26 as Constitution Day from the year 2017. The speakers expressed gratitude to Dr. B. R. Ambedkar for studying the constitutions of nearly 60 countries and working for three years to frame the Indian Constitution.

At the end of the programme, the guests were thanked for educating students about various laws and were honored with shawls and mementos. The event was successfully conducted with the support and encouragement of the College Chairman Mr. Mittapalli Venkata Koteswara Rao, Vice Chairman Mr. Chakravarthi, Secretary Mr. M. Ramesh Babu, and the ICIC and MBA Department Head, Dr. Y. Ankireddy.

3. Nenu Saitham



The "Nenu Sahitam" programme was organized grandly 26th November 2025 with the aim of promoting social safety, responsibility, and collective awareness in society. College management, faculty members, students, and invited guests actively participated in the event.

The chief guests, Dr. Krishnayya and Mr. Venugopal Rao, delivered inspiring speeches to the gathering. At the beginning, Dr. Lakshmayya encouraged everyone to take personal initiative for the development of society. He stated that when individuals work with responsibility, positive changes can be achieved in areas such as crime prevention and social unity.

Speaking on the occasion, Mr. Venugopal Rao explained that education is not only about earning a degree but also about good behavior and values. He advised students to share their knowledge with others and to remember their responsibilities and conduct. He emphasized that to become a complete student, one must stay focused on the future.

The speakers also expressed concern that students are becoming overly influenced by mobile phones, which can lead youth in the wrong direction. They advised students to develop discipline, improve their behavior, and stay focused on positive activities. Students were encouraged to be strong enough to face and overcome challenges in life, develop creativity, and be prepared for any situation.

Finally, the speakers reminded students to always respect their parents and remember the sacrifices made by them, and to lead their lives with gratitude and responsibility.

4. International Anti-Corruption day



International Anti-Corruption Day is observed every year on 9th December to raise awareness about the harmful effects of corruption and to promote transparency, integrity, and ethical behavior in society.



Recognized by the United Nations, the day emphasizes the need for strong anti-corruption laws, accountable governance, and active participation from citizens, institutions, and youth. In 2025, the observance highlighted how corruption negatively impacts economic growth, social justice, and equal opportunities, while encouraging individuals to uphold honesty and moral responsibility. Educational institutions and organizations marked the day through awareness programs, seminars, rallies, and pledge activities to inspire ethical values.



Students learned the meaning and consequences of corruption, the importance of transparency and accountability, and the crucial role of youth in building a corruption-free society by standing against unethical practices and promoting integrity in everyday life.



On this occasion, the College Principal, Mr. S. Venkateswarlu, stated that the Indian Constitution is the largest written constitution in the world, consisting of 448 Articles, 12 Schedules, and 25 Parts, and highlighted that it is everyone's responsibility to protect and uphold it.

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Faculty Focus

FDP's, Conference & Publications

1. Dr. K. LakshmiNadh
Title: Teaching and Learning in General Programs: TALG
Date: Jul-Aug 2025
Organized: NPTEL Swayam



Title: Teaching and Learning in General Programs: TALG
Date: Jul-Aug 2025
Organized: NPTEL Swayam



Title: Advanced Pest Identification: An Efficient Deep Learning Approach Using VGG Networks
Date: 06-03-2025



Title: A Combined DQN with Duelling and Noisy Networks: A Unified Framework for Deep Reinforcement
Date: 31-10-2025



Title: A Novel Method of Image Colorization Using Convolutional Neural Networks
Date: 31-10-2025



Title: Controlling the screen using hand gestures
Date: 30-9-2025



Title: An examination of big data analytics-based high-speed data implementations
Date: 30-09-2025



Title: Unveiling the Potential of Deep Learning: A Multifaceted Approach to Pulmonary Disease Detection and Clinical Integration
Date: 06-03-2025

Neural Network-Based Named Entity Recognition for Bodo: A Deep Learning Approach Date: 24-1-2025

2. B.N.V.Udaya Lakshmi



Title: 2nd International Conference on Computing Systems and Intelligent Applications
Date:
Organized: Narasaraopeta Engineering College



Title: Cloud Computing
Date: jul-oct 2025
Organized: NPTEL Swayam



Title: The Evolving World of The AI : A Look At Modern Trends and Diverse Implementation.
Date: 15-12-2025 to 20-12-2025
Organized: Narasaraopeta Engineering College



Title: Emerging Paradigms in Quantum Computing for Next Generation Technologies: AI, VLSI, and secure communication.
Date: 10-11-2025 to 14-11-2025
Organized: KKR&KSR Institute of technology and sciences



Title: AI-Driven Social Networks Analysis
Date: 3rd December 2025
Organized: National Institute of Technical Teachers Training and Research, Chandigarh

3.G. Sai Krishna

Title: FDP ON FLUTTER FOR ANDROID, IOS AND WEB APPS
Date: 03-11-2025 to 07-11-2025
Organized: Narasaraopeta Engineering College.





Title: Data Analytics Using Power BI
Date: 28th July 2025 01st August 2025
Organized: EXCELR ATRIA

Title: Machine Learning and Artificial Intelligence
Date: 12th August to 19th August 2024
Organized: EXCELR Raising Excellence





Title: AI-Driven Social Networks Analysis
Date: 3rd December 2025
Organized: National Institute of Technical Teachers Training and Research, Chandigarh



Title: AI-Driven Social Networks Analysis
Date: 3rd December 2025
Organized: National Institute of Technical Teachers Training and Research, Chandigarh

4.A. Paparao
Title: ReactJS Concepts
Date: 12-05-2025 to 17-05-2025
Organized:
Narasaraopeta Engineering College



7.Sk.Nayab Rasool

Title: FDP ON FLUTTER FOR ANDROID, IOS AND WEB APPS
Date: 03-11-2025 to 07-11-2025
Organized: Narasaraopeta Engineering College





Title: AI-Driven Social Networks Analysis
Date: 3rd December 2025
Organized: National Institute of Technical Teachers Training and Research, Chandigarh



Title: Cloud Computing
Date: jul-oct 2025
Organized: NPTEL Swayam

5.A.Aruna Kumari
Title: AN ADAPTIVE GRAPH NEURAL NETWORKS WITH LANDSCAPE-AWARE PARTICLE SWARM OPTIMIZATION FOR INTELLIGENT MEDICAL INSURANCE FRAUD DETECTION
Date: 15th October 2025



ALUMNI VOICE



Choosing the right path to success at the right moment is crucial, and for me, that path was NEC. The supportive learning environment and systematic approach to education at NEC have played a significant role in shaping my career. The faculty members are highly approachable and always willing to guide and support students, creating a nurturing space for continu -ous growth. NEC equips its students with the essential skills and practical knowledge required to excel in their professional journeys, which ultimately led to my successful internship placement with a



Title: AI-Driven Social Networks Analysis
Date: 3rd December 2025
Organized: National Institute of Technical Teachers Training and Research, Chandigarh

STUDENT VOICE



I am deeply honoured to be associated with this esteemed department. The Department of MCA has consistently achieved excellence in academics, research, and placements, establishing itself as a benchmark of quality and commitment.
The department offers a diverse range of well-structured programs that seamlessly integrate theoretical knowledge with hands-on practical

6.D.Lakshmi Dheeraja
Title: The Evolving World of The AI : A Look At Modern Trends and Diverse Implementation.
Date: 15-12-2025 to 20-12-2025
Organized: Narasaraopeta Engineering College



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

Training at NEC

S.NO	COMPANY NAME	DRIVE DATE	Selects	Remark	SALARY
1	SAVANTIS SOLUTIONS	18-Jul-25	87	Result	222222
2	Coditas	04-Sep-25	1	Result	450000
3	Being Zero	16-Sep-25	1	Result	800000
4	TAP ACADEMY	10-Oct-25	19	Result	300000
5	TVS Breaks India	25-Oct-25	47	Result	300000
6	Infosys	07-Nov-25	10	Result	360000
7	AEGIS DIGITAL	08-Nov-25	7	Result	220200
8	COGNISYS AI	04-Dec-25	1	Result	350000
9	ApMoSys	04-Dec-25	5	Result	350000
10	Silver Sky Technology	18-Dec-25	1	Result	350000
11	Technoparin Soft (NEC)	20-Dec-25	6	Result	360000
12	JYTRA Technology	23-Dec-25	1	Result	300000
13	LS Automotives	27-Dec-25	31	Result	300000









LS Automotives Selects



Savantis Selects





DEPARTMENT OF PHYSICAL EDUCATION





CH. MARUTHI SRINIVASA RAJU (CSE-AI/3RD YEAR), He was participated in Yogasana district level tournament won by 1st place in supine and artistic pair events. Organized by yogasana sports association Palanadu district. Held at Sri Krishna Chaitanya school Narasaraopet. from 3rd august 2025.



CH. MARUTHI SRINIVASA RAJU (CSE-AI/3RD YEAR), He was participated in Yogasana state level 6th Andhra Pradesh state level yogasana sports championship, won by 2nd place in supine individual and 3rd place in artistic pair events. Organized by yogasana sports association west Godavari district, held at Saraswathi Vidyalaya, prathipadu, west Godavari, AP. from 21st to 24th august 2025.



NEC ROYAL CHALENGERS (one of the cricket teams in NARASARAOPETA ENGINEERING COLLEGE) participated in GNPL season -1 championship- 2k25, won by 1st place. Organized by GROUP OF NEC. Held at nec cricket ground Narasaraopet. from 9th august 2025.



NEC KNIGHT RIDERS (one of the cricket teams in NARASARAOPETA ENGINEERING COLLEGE) participated in GNPL season -1 championship- 2k25, won by 2nd place. Organized by GROUP OF NEC. Held at nec cricket ground Narasaraopet. from 9th august 2025.



CH. MARUTHI SRINIVASA RAJU (CSE-AI/3RD YEAR), He was participated in Yogasana championship in national level. own by 3rd place in free flow and artistic pair events. Organized by Karnataka state amateur yoga sports association, held at Sri Saraswathi Sachidananda ashrama, Mysuru, Karnataka. From 9th to 12 oct 2025.



CH. MARUTHI SRINIVASA RAJU (CSE-AI/3RD YEAR), He was participated in Yogasana championship in state level. Won by 1st place in traditional events. Organized by district, yogasana sports association Visakhapatnam. Held at CMR function hall, Visakhapatnam. From 25th to 26th OCT 2025.



DEPARTMENT OF PHYSICAL EDUCATION





CH. MARUTHI SRINIVASA RAJU (CSE-AI/3RD YEAR), He was participated in JNTUK CENTRAL ZONE INTER COLLEGIATE TOURNAMENT CUM SELECTION TRAILS. He won 1st place in traditional events. Organized by BVSR ENGINEERING COLLEGE, chimakurthi, Prakasam district. Held at BVSR ENGINEERING COLLEGE, chimakurthi. From 2nd DECEMBER 2025.



DHAKHAYANI (CSE-CS/ 2ND), G. ANURADHA(CSE-AIML/2ND) she was participated HINDU ENGINEERING COLLEGE NATIONAL LEVEL SPORTS FEST. Won by 1st place. Organized by HINDU ENGINEERING COLLEGE Guntur. Held at HINDU ENGINEERING COLLEGE Guntur. From 19th to 20th December 2025.



P. SIRESHA (CSE/2ND), she participated in VIVA VVITU SPORTS FEST. She won 1st place in shotput events. Organized by VASIREDDY VENKATADRI INTERNATIONAL TECHNOLOGICAL UNIVERSITY, numbur. Held at VVITU numbur. From 21st and 22nd December 2025.



NARASARAOPETA ENGINEERING COLLEGE VOLLEYBALL team won 2nd place in KHIT national level fest. Organized by KALLAM HARINADH REDDY INSTITUTE OF TECHNALOGY Guntur. Held at KALLAM HARINADH REDDY INSTITUTE OF TECHNALOGY Guntur from 19th and 20th December.



K. VENKATESH (MECH/3RD), He was participated IN AMR IGNITED MINDS . He won 1st place in 100mts running events. Organized by AM REDDY ENGINEERING COLLEGE pattlurivaripallm. Held at AM REDDY ENGINEERING COLLEGE pattlurivaripallm from 27th and 29th December 2025.



NARASARAOPETA ENGINEERING COLLEGE shuttle badminton(women) team was participated in JNTUK central zone intercollegiate tournament cum selection trails. And Won by 2nde place. Organized by VR SIDHARDTHA ENGINEERING COLLEGE VIJAYAWADA. Held at VR SIDHARDTHA ENGINEERING COLLEGE VIJAYAWADA from 26th December 2025.



DEPARTMENT OF PHYSICAL EDUCATION





CH. MARUTHI SRINIVASA RAJU (CSE-AI/3RD YEAR), He was participated in VIGNAN MAHOTSAV 2K26 NATIONAL LEVEL FEST. He won 1st place in TRADITIONAL YOGASANA events and 2nd place in Mahotsav got talent. Organized by VIGNAN UNIVERSITY VADLAMUDI, GUNTUR. Held at VIGNAN UNIVERSITY VADLAMUDI, GUNTUR. From 5TH TO 7th FEB 2026.



CH. MARUTHI SRINIVASA RAJU (CSE-AI/3RD YEAR), He was participated in QIS FEAT 2K26 A NATIONAL LEVEL STUDENT MEET. He won 1st place in YOGASANA events. Organized by QIS EDUCATIONAL INSTITUTIONS VENUGAMUKKAPALEM, ONGOLE. Held at QIS ENGINEERING COLLEGE ONGOLE. From 6th to 9th feb 2026

College Events

NBA Visit on 28-09-2025



NCC Enrolment Selections



Fresher's Day on 1-11-25



NBA TEAM VISIT

on 08th - 10th September, 2024







EEE



Civil





Mech