NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

NEC WAVES

A News Letter of

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

EAMCET - Code: NSPE | ECET - Code: NSPE | PGECET - Code: NSPE | ICET - Code: NSPE

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

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Dear Readers,

A teacher is always a student who updates his knowledge and imparts the student his updation.

Department of B.S&H conducted a two-day International conference on "Perspectives from Basic Sciences and Humanities" on 19th and 20th July 2024.Dr. Niazova Gulnorakhon Gulya Movna from Tashkent state University of Languages and Literatures, Uzebikistan and Sarbani Benerjee from IIT Roorkee were the resource persons for English subject. Dr. A. Nazeer Ahmed, University of technology and applied sciences, Nizwa, Sultanate of Oman and Dr. P. Durga Prasad Vellore Institute of technology, Chennai campus, Chennai were the resource persons for Maths subject. A Tremendous response has come to this conference. More than 250 participants from different parts of the Globe, presented the papers.

The students of NEC always very busy in achieving their goals and the college also provides the needed things in this regard.

Hackathon in JAVA Linked list (leet code problem solving) by Lara Technologies, Bangalore conducted in NEC on 19th to 20th July 2024 organized by Department of CSE in Association with CSI, ACM& IIC.

A one-week workshop on DEVOPS AND ITS TOOLS 22nd to 29th August 2024 DET Association with SVSRIT Solutions Hyderabad organised by EF Resource person G.V. Subba Reddy Senior Technical Architect VIRITS and Department of Computer Science and Engineering.

A one-week workshop on Android App Development using KOTLIN (Part-2) from 9th to 14th September 2024 Organized by IQAC & Department of Computer Science and Engineering in association with CSI, ACM, ISTE & IIC.

A Two-week workshop on An Innovative Coding Skills implementation in Python During 17th – 30th September 2024 in association with APSSDC organized by IQAC & Department of CSE.

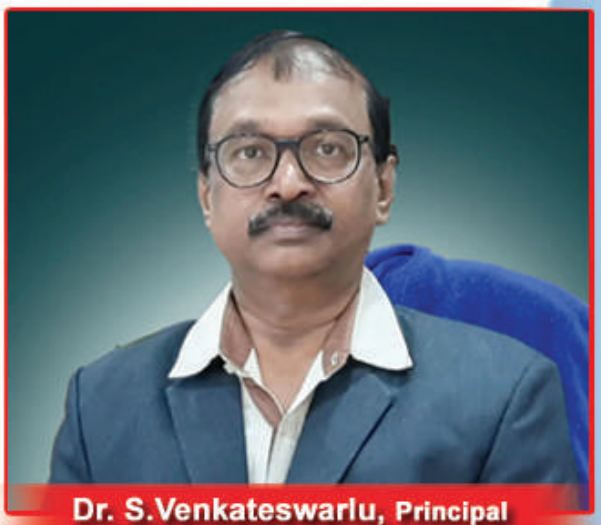
A Five-day FDP on " 5G and Its use cases" organized by Department of ECE & IQAC
in association with NITTR, Chandigarh.

An old adage says "As you sow so you reap"

Our Third-year student developed a student attendance (Phone call app) with the co-ordination between the management and faculty members the students' career is thriving day by day in this college

----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' released for the period July-December 2024. 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 to say that ISRO conducted "World Space week" 2024 in Narasaraopeta Engineering College. The Scientists from (SDSC) SHAR talked about the significant achievements of space exploration. An exhibition was organised. ISRO Rocket Models and Satellite models were displayed.

Rocketry workshop was conducted by Dept. of ECE in association with Rocketeers Research Institute Ludhiana.

Two NCC Cadets from our college were set to represent India at the International Camel Safari Training Camp in Rajasthan from November 14 to 23.

Times Business Excellence Award 2024 was given to NEC.

Our Vice Chairman Mr.Chakravarthi Mittapalli, and the Director, Mrs.M. Suhasini participated at the prestigious leadership summit: Higher Education by Google and industry thought leaders. This summit brought together changemakers across the country to explore transformative strategiesfor advancing higher education. The event featured interactive discussions and success stories from global institutions, empowering leaders in Strategic Leadership, Digital Transformation, AI etc, to drive innovation and excellence in respective institutions.

Harty Congratulations to our Vice-chairman and director in this regard.

I congratulate the Editorial Board of this News Letter who have played wonderful 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

Prefabrication



The main goal is to produce solar power by using the space already taken up by railway tracks. Instead of building solar farms on new land, which can be costly and impact natural areas, this system uses existing infrastructure to create energy.

The panels can be easily installed and removed, making them practical for maintenance and potential adjustments.

This approach is both environmentally friendly and scalable, meaning it could be applied to railways around the world. If successful, it could inspire other countries to explore similar ways to generate clean energy without disrupting landscapes.

This project has the potential to change how solar energy is produced globally by offering a solution that doesn't need extra land, is simple to maintain, and uses infrastructure already in place.

Modular and Prefabricated Construction

Modular and prefabricated construction are both off-site construction methods that involve building components in a factory or warehouse and then transporting them to the construction site for assembly:



Prefabrication

Involves assembling components of a structure off-site and transporting the complete assemblies to the construction site. Prefabricated structures can include panelized homes, mobile homes, and commercial buildings.

Modular construction

Involves constructing sections, or "modules", off-site and then delivering those modules to the construction site to be installed and joined together. Modular homes are built in modules that are typically built to meet state or local building codes.

Modular and prefabricated construction can offer several benefits over traditional construction methods, including:

Cost savings

Reduced construction time, less material wastage, and often lower labor costs.

Quality control

Factory-controlled manufacturing ensures a higher level of quality and consistency in building components.

Sustainability

Prefabrication allows for more efficient use of materials and reduces construction waste.

Faculty Focus



Dr.P.Naga Sowjanya, delivered lecture on "Mapping of Land use and land cover classification using AI techniques" in 3 Day Workshop on "The Role of AI in Mobility and Smart Cities" Emerging Field: [Smart cities and mobility] organised by Madanapalle Institute Of Technology & Science, Madanapalle on 26 July, 2024.

Dr.P.Naga Sowjanya completed NPTEL Course Advanced Geomatics Engineering with Elite Status in July-October 2024.

Dr.P.Naga Sowjanya completed NPTEL Course Global Navigation Satellite systems and Applications with Elite Status in July-September 2024.

Mr. M.N.S.Sambasiva Rao completed NPTEL Course in Soil Mechanics/Geotechnical Engineering-I with Elite Status in July-October 2024.

Mrs. A.Lakshmi Prasanna recognized as NPTEL DISCIPLINE STAR for July-Dec 2024 by Swayam-NPTEL.

Mrs. A.Lakshmi Prasanna completed NPTEL Course in Building Material as a cornerstone to sustainability with Elite+Silver Status in July-October 2024.

Mrs. A.Lakshmi Prasanna completed NPTEL Course in Municipal Solid waste management with Elite Status in July-October 2024.

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

- Dr.P.Naga Sowjanya completed 12 Weeks Faculty Development Course Advanced Geomatics Engineering during July-October 2024.
- Dr.P.Naga Sowjanya attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R. V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.
- Dr.P.Naga Sowjanya attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.
- Dr.P.Naga Sowjanya attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.
- Dr.P.Naga Sowjanya attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.
- Mr. K.Anil kumar attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R. V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.
- Mr. K.Anil kumar attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.
- Mr. K.Anil kumar attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.
- Mr. K.Anil kumar attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.
- Mr. N.M.Subhani attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V. R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.

Mr. N.M.Subhani attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.

Mr. N.M.Subhani attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.

Mr. N.M.Subhani attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.

Mr. M.N.S.Sambasiva Rao attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.

Mr. M.N.S.Sambasiva Rao attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.

Mr. M.N.S.Sambasiva Rao attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.

Mr. M.N.S.Sambasiva Rao attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.

Mrs. A.Lakshmi Prasanna completed 12 Weeks Faculty Development Course in Municipal Solid waste management during July-October 2024.

Mrs. A.Lakshmi Prasanna attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur Gujarat during 9-12-2024 to 14-12-2024.

Mrs. A.Lakshmi Prasanna attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.

Mrs. A.Lakshmi Prasanna attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.

Mrs. A.Lakshmi Prasanna attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.

Mr. Sk.Sydha attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.

Mr. Sk.Sydha attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.

Mr. Sk.Sydha attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.

Mr. Sk.Sydha attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.

Mr. B.V.Srinivasa Rao attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R. J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.

Mr. B.V.Srinivasa Rao attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.

Mr. B.V.Srinivasa Rao attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.

Mr. B.V.Srinivasa Rao attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.

Student focus

P.Bala Satish (24475A0116) secured Ist prize in JNTUK central zone inter collegiate Badminton (Men&Womens) Tournament cum University team on 19&20 October, 2024.





SK.Rajiya Jasmine (22475A0128) secured IInd Prize in Drawing Competition on the Eve of Independence Day, 2024.

SK.Rajiya Jasmine (22475A0128) secured IInd Prize in Drawing Competition on the Eve of Independence Day, 2024.





B. Vagya Naik (23475A0121) secured Ist prize in shot put in VIVA-VVIT on December 21st, 2024.



P. Lokesh (23475A0106) secured Ist prize in AUTO CAD TECHIE competition in CIVIL CARNIVAL in RVR & JC College of Engineering on December 28th 2024

SIX students from IV & III completed NPTEL courses

IMPORTANT ACTIVITIES HELD IN THE DEPARTMENT



II & III B.Tech CE Students visited Srisaialm Dam & Powerhouse Project on December 07, 2024.



The Department of Civil Engineering at Narasaraopet Engineering College conducted a Parent-Teacher Meeting (PTM) on 25 October 2024.



Civil Engineering Department organized the Engineers day event on the occasion of Sir M.Viseswarayya garu on his birth Anniversary on 15.09.2024.



In collaboration with CPLR, Chennai, the Civil Engineering Department Of Narasaraopeta Engineering College, Narasaraopet organizing a two-week workshop on "PRIMAVERA" from August 19 to August 31, 2024.

The expert lecture on "Role/Importance of Railways in Civil Engineering" was organized by Department of Civil Engineering Narasaraopeta Engineering College (A) on 20th July, 2024.





B.Kejiya(21475A0108) Shared about preparation for competitive exams with IIIyr students.

S.Murali venkata Narasimharao (21475A0124) shared his work experience as site engineer with IInd year students.





K.Vandana(20475A0113) share her work experience with III&IV year students.

Alumni Voice

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



T.Chandra Naga Ahhil
20475A0101
Packaged App Develoment Associate,
Mumbai.

Student's Voice

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



D.Jeevan Kumar
21471A0102
III B. Tech

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 infrastructuretomeettheneedsofindustryandSociety.
- To assimilate innovation and research-oriented culture to make successful professionals and entrepreneurs.
- To encourage lifelong learning with ethics among the studentssoastomakethemasresponsibleindividuals.

WIRELESS CHARGING

One area of technology that holds particular promise for expanding the electric vehicle market is wireless charging. Wireless charging has some current applications for personal devices like laptops, smartphones and earbuds, and it will likely eventually become standard for electric vehicles as well. An electric car owner will be able to park on a charging spot without the hassle of plugging in the car. Wireless charging docks will also be smaller, so they'll likely become easier and more cost-effective to build.



Wireless charging has some current applications for personal devices like laptops, smartphones and earbuds, and it will likely eventually **become standard for electric vehicles as well.**

Electric Vehicles



Despite years of mass production, electric vehicles still remain a trend in electrical engineering that continues to rise in consumer popularity. Electric cars are becoming mainstream offerings. Though charging infrastructure still needs to be developed, many electric vehicle owners can find readily accessible charging stations in many locations. Consumers might even qualify for tax incentives or credits for purchasing an electric vehicle.

With electric vehicle manufacturer Tesla continuing to break records for production and market value, it's clear the future of electronics is in cars. As consumers become more conscious of sustainability and emissions, the popularity of electric vehicles will only grow. Several major automotive companies are also deeply invested in electrification: Ford, General Motors, Honda, Toyota, and Stellantis are just a few of them.

FACULTYFOCUS

INTERNATIONAL JOURNALS:

- Dr.P. Lakshmanan has presented a paper on "Performance Investigation of 17 level Reduced Switch Count Multilevel Inverter"by International Journal of Electrical and Computer Engineering Systems, Volume 15,November 7,2024.

FDPSATTENDED:

- Mrs. M.Gowthami has successfully completed "Inculcating Universal Human Values in Technical Education"5-day Online FDP authorized by All India Council for Technical Education (AICTE)from 9th September to 13thSeptember 2024.
- Mr. P.D.V.S.Kishore has successfully completed "Inculcating Universal Human Values in Technical Education" 5-day Online FDP authorized by All India Council for Technical Education (AICTE)from 9th September to 13thSeptember
- Mr. M. Chandrasekhar has successfully completed ""Nano Innovations: Shaping The World Of Tomorrow" 6-day Online FDP authorized by Department Of Humanities and basic Sciences, SriIndu College Of Engineering and Technology,Sheriguda from from9th September to 14th September 2024
- Mr. M. Chandra sekhar has successfully completed "AI for Engineering Applications" 5-day Online FDP authorized by National Institute of Technical Teachers Training and Research Chandigarh from 4th November to 8th November 2024
- Dr. Sk. Md. Shareef has successfully participated & completed "Agricultural PV Systems and Electric Vehicles" one week National Level online FDP authorized by All India Council for Technical Education (AICTE) at Vignan's Lara Institute of Technology & Science from 25th November to 7th December 2024.
- Mr. M. Chandra Sekhar has successfully participated & completed "Agricultural PV Systems and Electric Vehicles" one weekNational Level online FDP authorized by All India Council for Technical Education (AICTE) at Vignan's Lara Institute of Technology & Science from 25th November to 7th December 2024.
- Mr. Sk. Abdul Kalam has successfully participated & completed "Agricultural PV Systems and Electric Vehicles" one week National Level online FDP authorized by All India Council for Technical Education (AICTE) at Vignan's Lara Institute of Technology & Science from 25th November to 7th December 2024.
- Mr. G. Naveen has successfully participated & completed "Agricultural PV Systems and Electric Vehicles" one week National Level online FDP authorized by All India Council for Technical Education (AICTE) at Vignan's Lara Institute of Technology & Science from 25th November to 7th December 2024.
- Mr. M. Chandra Sekhar has successfully participated &completed "Integrating Electric Vehicles with SmartGrids:Innovations for Sustainable Mobility Solutions" one weekNational Level online FDP authorized by All India Council for Technical Education (AICTE) at Sri Venkateswara College of Engineering& Technology from 16th December to 21st December 2024.

NPTELCOURSE DETAILS:

Nameofthe Faculty	Title	Course Duration
P.D.V.S K. Kishore	Python for Data Science	Jul-Aug, 2024
	Data Science for Engineering	Jul-Sep, 2024
Sk. Abdul Kalam	Introduction to Industry 4.0 and Industrial Internet of Things	Jul-Oct, 2024
G. Naveen	Introduction to Industry 4.0 and Industrial Internet of Things	Jul-Oct, 2024
P.Bramaramba vathi	Introduction to Industry 4.0 and Industrial Internet of Things	Jul-Oct, 2024
P. Raghava Rani	Introduction to Industry 4.0 and Industrial Internet of Things	Jul-Oct, 2024
K.Silpa	The Joy of Computing Using Python	Jul-Oct, 2024
M.Gowthami	Cloud Computing	Jul-Oct, 2024

WORKSHOP PROGRAM

The department of EEE& IQAC, Narasaraopeta Engineering College (Autonomous), Narasaraopet Organized a two Week Practical Training Programme on"MATLAB BASED POWER ELECTRONICS AND SIMU LINK" in Association with Power Integrated Solutions, Trichy . from 19-08-2024 to 31-08-2024,





The IV B. Tech I SemStudents are participated in this workshop & it was explained by Mr.Madhan Kumar, Senior Technical Executive, Power Integrated Solutions.

PARENT-TEACHER MEETING



The department of EEE, Narasaraopeta Engineering College (Autonomous), Narasaraopeta Organized a Parent –Teacher meeting to interact with the parents on 26-10-2024.

The HOD of EEE and faculty are interacted with the parents about the student ethical and educational profile and collect the feedback from the parents.





The department of EEE ,Narasaraopeta Engineering College (Autonomous), Narasaraopet Organized a one week workshop on "PCB Designing & Fabrication"in Association with SRCE- Solutions,Vijayawadafrom 25-11-2024 to 30-11-2024

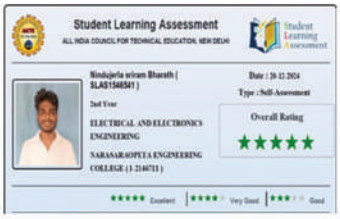
The III B. Tech ISem Students are participated in this workshop & it was explained by Mr. K. Sudhakar and SRC E- Solutions,Vijayawada.



Student Focus:

Year&Sem	Title	Course Duration	No. of Students Completed
IV-I	Cloud Computing	Jul-Oct, 2024	03
	Design, Technology and Innovation	Jul-Oct, 2024	01
	Introduction To InternetofThings	Jul-Oct, 2024	01
III-I	Cloud Computing	Jul-Oct, 2024	14
	The Joy of Computing using Python	Jul-Oct, 2024	01
	Introduction To InternetofThings	Jul-Oct, 2024	01

From II B. Tech, ISemEEE, 34 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.





From III B. Tech, ISem EEE, 53 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.

From IV B. Tech, I Sem EEE, 63 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields



STUDENT ACHIEVEMENTS:



M Venkata Sushwanth (22475A0207), of IV EEE has attended basic Mountaineering Course conducted by the National Institute of Mountaineering and Adventure Sports from 23-05-2024 to 19-06-2024and secured Grading 'A' organized by 23 (A) BN, CHIRALA, GUNTUR GROUP NCC AP & T DIRECTARATE.



D.Naganjali (22475A0222), of IV EEE has won the Third Prize in the event of ARTISTICGROUP &won the Fourth Prize in the event of TRADITIONAL YOGASANA organized by South Zone Khelo India Yogasana Women's Leauge 2024-25 held at Kongunadu College of Engineering &Technology, Tiruchirappalli from 31-08-2024 to 01-09-2024.

K.Janardhanbabu(24475A0202)& B.Veeranjaneyulu(24475A0201), of II EEE has won the Second Prize in the event of Vinayaka Idol competition conducted on the occasion of Vinayaka chavithi organized by Narasaraopeta Engineering College on 06-09-2024.

A.Susmitha Lakshmi(22475A0225) of IV EEE has won the Third Prize in the event of " JAM " organized by Narasaraopeta Engineering College on 12-09-2024.

K.Janardhan babu (24475A0202) of II EEE has won the First Prize in the event of " Picture Puzzle competition" organized by Narasaraopeta Engineering College on 13-09-2024.

N. Pavan Kumar (22475A0253)& G.MD.Ismaiel(22475A0214) of IV EEE has won the Second Prize in the event of " Tech Trivia" organized by Narasaraopeta Engineering College on 13-09-2024.



KVK Kaladhar (22475A0268) & E Praveen Gupta (22475A0269) ofIV EEE has won the Third Prize in the event of " WRITTEN QUIZ" as a part ofworld space week 2024 celebrations organized by SATISH DHAWAN Space Center (SHAR), ISRO Sriharikota in Narasaraopeta Engineering College from 7-10-2024 to 9-10-2024.

AcademicToppers:

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



I –B.TechII–SEM



II –B.TechII–SEM



III–B.TechII–SEM

ALUMINI INTERACTION:

The Alumni talk on " URI POWER STATION", NHPC by K.Raveendra Deputy Manager had delivered A Technical Talk on21-10-2024to II & III B.Tech students



INDUSTRIAL VISITS:



As a part of Academics students are required to visit industriesinordertogetthepracticalknowledgeand Industrial exposure.

.The III EEE students are visited Jindal Urban Waste Management (Guntur) Ltd, on 13-07-2024.

The II EEE students are visited Jindal Urban Waste Management (Guntur) Ltd, on 19-10-2024.



TRAININGPROGRAMSORGANIZED



Accenture Specific Training Phase 2 ProgramisconductedforIV B. TechEEEStudents from 18-7-2024 to31-7-24 organized by Bytexl team



CRT–TrainingProgramisconducted for IIIB. TechEEE Students from 8-5-2024 to 26-10-24organized by Bytexl team.

CRT–TrainingProgramisconducted for II B. TechEEE Students from 19-8-2024 to 14-12-2024 organized by Bytexl team.





Accenture PINCO App & Coding Practice Sessions Program is conducted for IV B. Tech EEE Students from 18-9-2024 to 21-9-24 organized by Bytexl team.

Accenture Specific Training Phase 3 Program is conducted for IV B. Tech EEE Students from 23-9-2024 to 28-9-24 organized by Dr. AnandaOlivetti.





Accenture Communication Building and Interview Program is conducted for IV B. Tech EEE Students from 26-9-2024 to 10-10-24 organized by Internal Team.

ALUMNIVOICE:



20471A0221
Trainee Engineer

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 around 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 thecompetitive 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.

STUDENT'SVOICE:



21475A0224
II EEE

I feel very blessed to be an Electrical Engineering student in Narasaraopeta Engineering College. Our faculty who are inspiring the future technologies, they taught us technical strategies and teach classes in a practical manner and encourage each student's interest. Our back bone is our HOD Dr.SK.Md. Shareefsir who encourages the student ideas and creates a platform to develop their thoughts

The following students are secured with highest marks in their respective semester results





S. Anil (22471A0208), N. Pavan Kumar (22475A0253)& V. Sai Ram (22475A0252) of III EEE has won Second Prize in the event of TechnicalQuiz as part of JUBILATION-2K24 held during 01-03-2024 & 02-03-2024.

INTERNATIONAL WOMEN'S DAY

J. Indu (22471A0209) of II EEE has won First Prize in the event of Poster Presentation conductedas a part of International Women's Day - 2024 organized by Narasaraopeta Engineering College held on 15-03-2024.

M. Sowjanya (22475A0238) & G. Anusha Glory (22475A0239) of III EEE has won Second Prize in the event of Cooking without Fire conductedas a part of International Women's Day -2024 organized by Narasaraopeta Engineering College held on 15-03-2024.

M. Sowjanya(22475A0238) of III EEE has won First Prize in the event of Best Costume conductedas a part of International Women's Day - 2024 organized by Narasaraopeta Engineering College held on 15-03-2024.

GATE-2024

The followingIV EEE Students are Qualified Electrical Engineering paper in GATE-2024.



23(A) BN NCC EXAMS



L/CPL K. Dileep Kumar of III EEE Student has excelled as the Topper of the 23(A) BN NCC in the B-Certificate Examinations held in February-2024.

Academic Toppers:

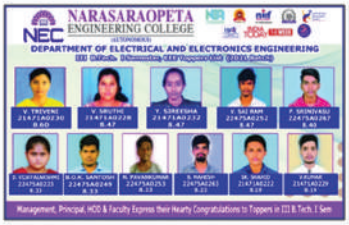
The following studentsare secured with highest marks in their respective semester results.



I –B.TechI–SEM



II –B.TechI–SEM



III–B.TechI–SEM



IV–B.TechI–SEM

INDUSTRIAL VISIT S:

As a part of Academics students are required to visit industriesinordertogetthepracticalknowledgeand industrial exposure.

The II EEE students are visited 765/400 kV Substation Power Grid Corporation of India. Ltd, Annavaram





The IV B.Tech students are visited Hydro Power Plant located at Srisailam on 22-06-2024.

TRAINING PROGRAMS ORGANIZED

CRT–TrainingProgramisconducted for III & IIB. TechEEEStudents from 05-01-24 to 18-01-24 organized by Bytexl team





Coding Assessmentsareconducted-forIII B. TechEEE Students from 08-01-24 to 10-01-24 organized by Tech Hub team.

TCS SpecificProgramisconducted-forIVB. TechEEE Students from 24-01-24 to 07-02-24 organized by Bytexl team.





Microsoft AI Odyssey Programis-conductedforIIB. TechEEEStudents from 23-01-24 to 05-02-24 organized by Internal team.

CRT–Training Program is conducted for IIB. TechEEE Students from 11-03-24 to 28-03-24 organized by Bytexl team.





CRT–TrainingProgramisconducte dforIII B. TechEEE Students from 06-05-24 to 18-05-24 organized by Bytexl team.

Placements:

5 Students ofIV-EEEare placedin-CAPE Electric Pvt. Ltd. With a package of 4 LPA on18-01-2024.



- 2StudentsofIV-EEEareplacedin ITC Limited., Guntur, with a package of 4.2 LPA on 02-02-2024.
- 5 Students ofIV-EEEare placedin TVS Sundaram Fasteners Ltd... With a package of 4 LPA on28-03-2024.
- 3 Students ofIV-EEEare placed in NEOLYC Telecommunication, With a package of 4 LPA on 03-04-2024.

ALUMNIVOICE:

It is an immense pleasure to say that I was a part of NEC. Thefacilitiesarereallyverykind&approachablewhenany need arises.Today, I am in good position it's because of whatIhaveleantfromNEC.TheProfessor-saredededicated experts & helpful in their respective subjects.
Theirexperiencehelps us tolearn moreaboutindustrial relevance ofthe subjects.There are manyco-curricular & extra-curricularactivitiesconducted-bytheNEC.Finally,I would like to thank the entire NEC family for providing such a wonderful educational platform for students from different corners of India.



A.Bhargav Mahesh
Trainee Enginner,
Accenture,
Batch:2020-2024

STUDENT'SVOICE:

I am proud to be part of NEC, the college not only impartsknowledgebutal-soinstillslifeskillsinustomake 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.



22471A0239
Y.Sreeja

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

MODERN TRENDS IN TECHNOLOGY:

Importance of AI in the world of Mechanical Engineering

One of the key strengths of AI in mechanical engineering lies in its ability to continuously learn and adapt. As systems interact with data over time, they refine their algorithms and models, leading to continuous improvement in performance, efficiency, and problem-solving capabilities.

AI Enhancing Complex CAD:

Computer-Aided Design (CAD) uses artificial intelligence (AI) which typically operates on knowledge-based systems. In CAD, design artefacts, rules, and issues are archived for subsequent use by CAD designers. AI and CAD are combined using model-based reasoning (MBR). Knowledge-based systems are widely used in recent software releases. Generative design is a key area where AI is being used. A generative design tool produces potential designs after receiving design requirements as input

Importance of Artificial Neural Networks in CFD:

There has been a lot of interest in Computational Fluid Dynamics among mathematicians, scientists, and engineers. Direct Numerical Simulation (DNS) has a much harder time solving fluid mechanics problems because of the turbulence and chaos that are involved. Academics are becoming more interested in Artificial Neural Networks (ANN) because they have the ability to approximate flows with less processing power, time, and dimensional reduction of issues. Additionally, they exhibit good agreement with conventional CFD models. The difficult part is teaching ANN via numerous example simulations. Additionally, using neural networks prevents you from understanding the flow process

Data analysis and IoT:

The fourth industrial revolution will connect every piece of equipment in a manufacturing facility to consumer goods, allowing engineers to analyse, improve, and guarantee product quality. Engineers who can read between the lines of sensor data will be needed to manage such technological data. AI-skilled mechanical engineers are needed to work on software that can handle data from sensors in parts of power plants, manufacturing plants, or consumer goods.



FACULTY FOCUS:
FACULTY PUBLICATIONS:
FACULTYACHIEVEMENTS:

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



Dr.M.Venkannababu,Associate professor, attended for Two-Day Exposure Visit cum training program from 11/07/2024 to 12/07/2024 under Mentor-Mentee scheme for the Academic Year 2023-24 at Vidya Jyothi Institute of Technology, Hyderabad.

Department faculty attended One week faculty development program on" Advances in Materials and Manufactruing", organised by Automobile Engineering Department, VNR VJIET college from 15th to 19th July 2024.

Dr.M.Venkannababu, Associate professor presented a guest lecture on "Outcome Based Education", organized by CSE & ECE departments chirala engineering college , chirala on 22/07/2024.





Dr.M.Venkannababu, Associate professor presented a guest lecture on "Skill Development And Outcome Based Education", organized by CSE & CEC departments Chirala Engineering College , chirala on 27/07/2024.

Dr.S.Venkateswarlu, Principal NEC, Dr.B.Venkata siva, HOD ME and Dr.M.Venkanna babu, Associate professor participated in " 61ST EDITION BRIDGE 24 SKILL DEVELOPMENT PROGRAM", organized by ICT ACADEMY on 14/11/2024 at Radisson Blu, Banjara Hills Hyderabad



FACULTY CERTIFICATIONS:

- Dr.B.Venkata Siva, Professor HOD-ME received Academic Excellence Award for outstanding performance in Robotics and applications Subject on Teachers day.
- Dr.P.Suresh babu, Associate Professor received Academic Excellence Award for outstanding performance BCME Subject on Teachers day.



- Dr.P.Suresh babu, Associate Professor received Academic Excellence Award for outstanding performance Enterprenuerahip and innovation Subject on teachers day.
- Dr.P.Suresh babu, Associate Professor received Academic Excellence Award for outstanding performance Digital marketing Subject on teachers day.
- D.Raghavendra Assistant Professor received Academic Excellence Award for outstanding performance Digital manufacturing Subject on teachers day

- Dr.M.Venkanna babu, Associate Professor received Academic Excellence Award for outstanding performance in DOM Subject on teachers day.
- Dr.M.Venkanna babu, Associate Professor received Academic Excellence Award for outstanding performance in BCME Subject on teachers day.
- CH.Sekhar, Associate Professor received Academic Excellence Award for outstanding performance in BCME Subject on teachers day.
- P.Srinivasarao , Assistant Professor received Academic Excellence Award for outstanding performance in Enginnering graphics Subject on teachers day.
- A.Ankarao .Srinivasarao , Assistant Professor received Academic Excellence Award for outstanding performance in Enginnering graphics Subject on teachers day.
- K.Kiran chand , Assistant Professor received Academic Excellence Award for outstanding performance in DME Subject on teachers day
- K.John babu , Assistant Professor received Academic Excellence Award for outstanding performance in OR Subject on teachers day
- T.Ashok kumar, Assistant Professor received Academic Excellence Award for outstanding performance in KOM and MOS Subjects on teachers day
- P. Sravani , Assistant Professor received Academic Excellence Award for outstanding performance in Electric and hybrid vehicles Subject on teachers day.

- CH.Sekhar, Associate Professor attended online expert lecture on "Advanced In Internal Combustion Engine", organized by Sandip Institute of Technology and Research center, Nashik on 10/09/2024.



- P.Srinivasarao and P.Sravani, Assistant Professor attended five days International Faculty Development Program on "Advanced Thermal Energy Systems: Storage, Production & Transfer", organized by Vishnu Institute of Technology, Bhimavaram from 17/09/2024 to . 21/09/2024.


Ref.: Ms. No. ijmmp-R0000514

Article Title: "Icosahedral phase formation in the melt-spun Al–Fe–V alloys"

Journal Name: International Journal of Metallurgy and Metal Physics

Dear Dr. B. Venkata Siva,

Greetings from the Journal!

You are invited to take on the below assignment as a Reviewer.

ABSTRACT

This study explores the unique characteristics of quasicrystalline (QC) phase formation in melt-spun Al–Fe–V alloys, examining how it varies based on the content and ratio of transition metals (TM). Studies have shown that alloys, boasting a Fe to V ratio of 2:1 or 1:2, along with an aluminum content ranging from 70 to 75 at%, can form a single-phase QC with an icosahedral (i) phase. Structural parameters were studied by X-ray diffraction and Mossbauer spectroscopy. It was revealed that alloys with half the Fe content formed the i1 phase with larger quasicell parameters and lower micro-strains built from Fe-centred icosahedral clusters [Fe1VAl11V1. The Differential Thermal Analysis (DTA) results indicate that i1 phase melts at 1025 K and i2 phase melts at 1035 K.

Please let us know if you are interested in reviewing the manuscript. We will provide the full-length manuscript and a reviewer form.

Looking forward to your kind reply.

Dr.B.Venkata siva, HOD ME , reviewed Article Title: "Icosahedral phase formation in the melt-spun Al–Fe–V alloys", in International Journal of Metallurgy and Metal Physics.

- Dr.B.Venkata siva, HOD ME , participated in three days workshop on "Resaerch information management system ", organized by National information library network center Gandhi nagar from 11/12/2024 to 13/12/2024.



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



- Dr.D.Suneel , Vice Principal NEC , participated in one week FDP on "The Alignment Of Corporate And National Objectives: CSR's view of vikasit bharat ", organized by Konneru Lakshmaiah Education Foundation from 09/12/2024 to 14/12/2024.



DEPARTMENT ACTIVITIES:



Department has organized " Design Now Workshop-II", for final year students on 24//07/2024. By Autidesk-ICT Academy.

- Mechanical Engineering Department has organized "CAD Master", design competition in association with The Institute of Engineers (India) IE student chapter 0n 09/08/2024 .Total 22 students are participated in the event, 20 students from III.B.Tech & IV B.Tech ME & 2 Students from Civil Department.



- Mechanical Engineering Department has organized "Technical Paper presentation (PPT)", competition in association with The American Society of Mechanical Engineers (ASME)student chapter on 09/08/2024.Total 40 students are participated in the event, students from III.B.Tech & IV B.Tech From ME : 24 , CSE : 15 and EEE: 1.Winners.



- Department has organized a one week Faculty Development Program on "3D & 4D Printing", during 19th -23th August, 2024 in Association with NITTTR- Chandigarh.



Department has organized Engineers' Day in association with ASME, IE, ISTE,MESA on 13/09/2024.





Department has organized a Two day Hands –On Workshop on "Drone Design and Flight Testing ",from08/11/2024 to 09/11/2024, For this program Dr.Yagya dutta dwivedi Associate Professor Department of Aeronautical Engineering from Institute of Aeronautical Engineering, Hyderabad acted as a Resource person.





Department of Mechanical Engineering successfully Conducted Parent - Teacher Meeting on 19/10/2024.





MOUs:

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

Department has organized "Resume writing and Personal introduction section", for final year students on 06/07/2024 .O.Ananda TPC- acted as Resource person for this program.





Department has organized " Design Now Workshop-II", for final year students on 24//07/2024. By Autidesk-ICT Academy, Four students from final year got selected for finals.

Department has organized "Accenture Training Program", for final year students from 18//07/2024 to 20//07/2024 bytexl Trainers Hyderabad.



Department has organized "Accenture Training Program", for final year students from 25//07/2024 to 27//07/2024 bytexl Trainers Hyderabad.





Students from final year attended ICT final round Competition " INDIA DESIGN WEEK 2024", by Autodesk-ICT Academy from 24//07/2024 to 25//07/2024.

Six students from final year participated "National Level Ideathon", held on 27/07/2024. organized by Institute Innovation Council (IIC) NEC NRT(A).





Department has organized "Accenture Training Program", for final year students from 29//07/2024 to 31//07/2024 bytexl Trainers Hyderabad.

IV BTech I Sem Mechanical Engineering students received Best User Experience Design Prize and Appreciation Certificates from ICT Academy & Autodesk for the National Level Design Now competition-2024 Conducted at Chennai. Honorable Chairman sir , Secretary Sir , Principal sir, Viceprincipal sir and HoD sir congratulated the students for their efforts shown to receive the prize.



Department has organized a one week workshop on Industrail Automation using AI & ML", for final year students from 19/08/2024 to 24/08/2024. In Associaion with AGIIT training.





Students participated in Vinayaka idols competition organized by NEC(A) on 06/09/2024.

Final year students participated in the prestigious IDE Bootcamp: Edition 2 - Phase I, hosted by IIM Sambalpur from 23rd to 27th September 2024. Organized by AICTE and the Ministry of Education's Innovation Cell.





III B.Tech Mechanical Engineering Students participated in Samkalp a National Level Student Techno Management Fest held on 27/09/2024 organized by Kallam Haranadha Redyy Institute Of Technology (Autonomous) , Guntur .

IV B.Tech Mechanical Engineering Students participated in Samkalp a National Level Student Techno Management Fest held on 27/09/2024 organized by Kallam Haranadha Redyy Institute Of Technology (Autonomous) , Guntur .





Three Mechanical Engineering students given training on 3D Printing to ZPHS students S.B Puram, Narasaraopet during 25th to 27th September.

Third and final year students Participated in World Space Week Celebrations space & climate change organized by Narasaropeta Engineering College (Autonomous) during 7/10/2024 to 09/10/2024.



Student Voice:



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 29/07/2024, For this program Mr Choppara Lakshmi Sumanth, Project Engineer Dekars Fire and security systems pvt. ltd and Kummara Parameswara Rao macrolink front end developer bengaluru. acted as a Resource persons.

Department has organized a one day Alumni talk to final year students on "Career Guidance", on 04/10/2024, For this program Mr G Kiran Kumar, Probationary officer s Canara bank Bengaluru acted as a Resource person.





Department has organized a one day Alumni talk to final year students on "Career Guidance", on 15/10/2024, For this program Mr M.Sambasiva Rao, Graduate Engineer Trainee Zen technologies hyderabad acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career Guidance", 05/11/2024, For this program Mr Manikanta. jampula, Adobe.net. Developer TATA consultancy services, Chennai acted as a Resource person.



INDUSTRIAL VISITS:



Students from final year Visited "Jindal urban waste management", Guntur as a part of an industrial visit on 13/07/2024 . M.Venkaih, Associate professor and K.Kiran chand , Associate professor coordinated this program.

Students from final year Visited "MAHANANDI PVC PIPES", Guntur as a part of an industrial visit on 08/08/2024 . U.Naga raju, Assistant professor coordinated this program.





Students from second year Visited "MITTAPALLI SPINNERS", Yellamanda , Narasaraopet, palnadu district, as a part of an industrial visit on 19/11/2024. K.John babu , Assistant Professor coordinated this program.

Students from third year Visited "TRIDENT POWER LIMITED ", Savalyapuram , Velpur village, palnadu district, as a part of an industrial visit on 11/122024. T. Ashok kumar , Assistant Professor coordinated this program.



CAMPUS PLACEMENTS:

students of Mechanical got selected in various companies listed below.

S.No	Roll number	Name of the Student	Name of the Company	Package
1	20471A0318	K.Sasi Kumar	ACCENTURE	4.5 LPA
2	20471A0348	SK. Manisha		
3	21475A0305	SK.Adil		
4	21475A0313	G.Sandeep	Global Enviro AIR System PVT LTD	1.8 LPA
5	21475A0328	Ch.Venkatramaiah		
6	21475A0332	B.Srinivas		
7	21475A0335	K.Srinu		
8	20471A0315	K.Maheswar	Buildmate Projects	1.8 LPA
9	21475A0302	SD.Sardar vali		
10	21475A0305	SK.Adil		
11	21475A0312	M.Charan Teja		

Academic Toppers

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





ALUMNI VOICE:



Mr.G.Siva Krishna reddy
(2013-2017Batch)
NTT DATA (Mexico),
Gandhinagar,
Abinition Developer
(DSIST Specialist)

Finding the right path to success at the right time is really very important and for that way I had selected NEC. The friendly environment, the systematic approach towards imparting education at NEC made me a competent individual.The wide range of activities- both curricular and co-curricular- along and the support from NEC is really very helpful for my future. The faculties are really very kind and approachable when any need arises. In NEC we are trained for our placements and because of that I was placed in one of the reputed companies for my internship. Today, if I am in a good position it's because of what I have learnt from NEC. Lastly I am really proud to be an NEC Alumni.

Student Voice:



Coming to NEC Mechanical Engineering Department, I consider it as a temple and the Professors over here as my god . Each of the Faculty members helped me with my ups and downs and shaped me into a better, responsible and successful person. Since my admittance, three years ago, I have been evolved into a confident lady, bolstered with many new skills

"Life is like riding a bicycle. To keep your balance, you must keep moving"Albert Einstien

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

Immersive Technologies



There is a high dependency on the human workforce in different stages of electronics manufacturing. There are possibilities for human errors and it definitely affects the overall manufacturing efficiency. The adoption of immersive technologies is an effective solution to overcome these challenges. Such solutions inspect design objects at all possible scales, thereby eliminating defects in products at the design stage.

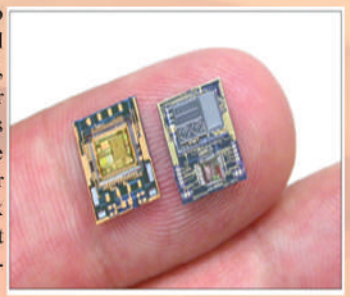
Specifically, they detect design errors in the circuitry as well as common manufacturing errors ranging from slivers, missing solder pads, and starved terminals, before fabrication. In addition, it facilitates personnel training, prototype development, and assembly maintenance, and enables operators to visualize workflows.

Canadian start up inspect AR provides an AR toolkit for PCB manufacturing and workflow testing. It takes the PCB design information and then matches it to calibration images of the PCB sample using AR. The software, along with the toolkit, determines the position of the PCB.

Further, it checks the board through the augmented reality format. This allows electronics companies to inspect, debug, rework, and assemble PCBs in lesser time without mistakes or frustration, thus increasing productivity.

Miniaturized Electronics

Miniaturization enabled the use of electronics in several novel application areas. Particularly, healthcare and automotive industry applications have space limitations in terms of implementing specific devices. Previously, the miniaturization concept was limited by their practical handling, display, and battery, but not by the built-in electronics.



There are innovations happening to make electronic components as small as possible by maintaining speed, reliability, and efficiency. Another important aspect of miniaturization is the integration of more and more features into a single component. For example, Nano net sensors and fork sheet FET are a couple of recent developments in miniaturized electronic components.

Swedish start upAlixLabs provides an atomic layer etching (ALE)-based method for manufacturing nanostructures with a characteristic size below 20 nm. The start-up's technology achieves nanostructure fabrication beyond the resolution limit for optical and electron beam lithography.

FACULTY FOCUS

Awards

Dr. B. Suneetha and Dr. B. Siva Nageswararao has undergone Innovation Ambassador (IA) training 'Foundation Level' conducted in online mode by MoE's Innovation Cell & AICTE during the IIC Calendar Year, got certificate on 03-08-24.



On the Occasion of Birth Annivaresary of Dr. SarvepalliRadhakrishnan, "Teachers Day Celebrations" were conducted in Narasaraopeta engineering college on 05-09-24, Dr. V. Venkata Rao, Dr. B. Suneetha, Dr. A.V. Nageswara Rao, Dr. B. Siva Nageswara Rao, Dr. Sk. BajidVali, Mr. A RaveendraBabu, Mr. V. Naveena Raja, Mr. Ch. AdiBabu has received "Academic Exellence Award".



Faculty Publications

1. Dr. B. Suneetha, has published a paper on "DESIGN OF HIGH-PERFORMANCE GDI-ALU UTILIZING 10 T ADDER CELLS" in MuktShabd Journal, Volume XIII, Issue VI, June-2024.
2. T. Indira has published a paper on "DESIGN AN AREA EFFICIENT KOGGE STONE ADDER USING PASS TRANSISTOR LOGIC"in MuktShabd Journal, Volume XIII, Issue VII, July-2024.



3. Dr. Y.V. Lakshmaiah has published a paper on "Semi- Eliptical Slotted UWB MIMO Antenna with Multiple Notch Characteristics and high Isolation " in IEEE Xplore.



4. Dr. K. Srinivasarao has published a Research Article on "Outage and Average Sum-rate analysis of intelligent reflecting surface assisted non orthogonal multiple access system over n-u fading channel" in Jhon Wiley publications.





5. Dr. Y.V. Lakshmaiahand Dr. V. Venkata Rao has published a paper on "Printed Wideband Monopole Antenna with Band-notched Feature" in IEEE Xplore.

6. Dr. V. Venkata Rao, Dr.Sk. BajidVali, Dr. Y. V Lakshamaiah, Dr. Sk. EbraheemKhaleelulla, Dr. A. V. Nageswara Rao. Dr. B. suneetha, Dr. Md.Javeed Ahmed, Dr. Y. Jai Pal Reddy has published papers on First International Confernce on ICASMMT2024 during 13&14-09-24, Organized by Dept: Of ME, MLR Institute of Technology, Hyderabad, Telangana



7. Dr. A. V. Nageswara Rao has participated in the DSTSERB Sponsored 6th International Conference on "Computer and Communication Technologies IC3T 2024" organized by Dept of AIML, School Of Computing, Mohan Babu University, Tirupati, during 04-10-24 to 05-10-24, As Author for the Paper Titled "Deep Learning based COPD disease prediction in Lungs" .





8. Dr. V. Venkata Rao, had presented a paper titled "Implementation of Heart Disease Prediction Using PCA Classification Algorithm", at the "4th IEEE International Conference on Artificial Intelligence and Signal Processing (ASIP)-2024", Organized by the school of Electronics Engineering, VIT-AP University, Amaravati, held between 26th -28th October 2024.

9. Dr. B. Suneetha had presented a paper titled "Detection of Type 2 Diabetes Based On Electronic Health Records Using Hybrid Support Vector Machine & Random Forest", at the "4th IEEE International Conference on Artificial Intelligence and Signal Processing (ASIP)-2024", Organized by the school of Electronics Engineering, VIT-AP University, Amaravati, held between 26th -28th October 2024.





10. Dr. B. Siva Nageswara Rao has got a Certificate of Presentation on "Arificial Intelligence-Assisted Decision Making Model For Industrial Management" in Conference of Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024) Organized by Dept: Of CSE at K.S.R. College of Engineering, Namakal, Tamil Nadu, and Debre Tabor University, Ethiopia, on 22 & 23 October 2024.

11. Dr. B. Siva Nageswara Rao has Published a Book Chapter Entitled "Sustainable Electronics: Green Technologies and Environment Impact" and "Robotics and Automation : Integration Of Electronics for Intelligent Machines", These Chapters has been Published in the edited book title "Research Communications in Electronics and Telecommunications Engineering Advancements in the Digital Age, Volume-I, August-2024 ". ISBN: 978-81-969115-0-8.



12. K. Chaitanya II- M-Tech, had Presenteda paper titled "Detection of Type 2 Diabetes Based On Electronic Health Records Using Hybrid Support Vector Machine & Random Forest", at the "4th IEEE International Conference on Artificial Intelligence and Signal Processing (ASIP)-2024", Organized by the school of Electronics Engineering, VIT-AP University, Amaravati, held between 26th -28th October 2024.




Enhanced Rainfall Prediction: Leveraging Ensembling Models for Maximum Forecasting Performance

13. Dr. Sk. EbraheemKhaleelulla has published a paper on "Enhanced Rainfall Prediction: Leveraging Ensembling Models for Maximum Forecasting Performance" in 3rd International Conference for Advancement in Technology (ICONAT), Gao, India Sep 13&14-2024.

FDPs attended by our Faculty Members

• Dr. B. Suneetha has successfully participated and completed the one week FDP on "Machine Learning Algorithms and Exploratory Data Analysis" Organized by Pantech e Learning Pvt.Ltd from 08-07-24 to 13-07-24.


CERTIFICATE
OF PARTICIPATION


Knimbus
CERTIFICATE OF PARTICIPATION
M. Hari Haranadha Sastry
Assistant Professor

• Mr. M. HaranadhaSastry has successfully participated and completed the workshop on "Knimbus User Awareness Training Session" Organized by Narasaraopeta Engineering college on 04-07-2024.

• Dr. MD JaveedAhammed has attended a six days online FDP on "Latest developments in RF Technologies in 5G and Beyond", Organized by Rajyalakshmi engineering college department of ECE in association with IIC, REC and IEEE Communication Society, REC from 30-07-2024 to 06-08-2024.


CERTIFICATE OF PARTICIPATION
ComSoc


MIT Academy of Engineering
Certificate Of Participation
Awarded To
Dr. A V Nageswara Rao

• Dr. A. V. Nageswara Rao has participated in 10 Hrs International FDP on "AI and Gen AI with Industry Application", Organized by MIT Academy of Engineering, Autonomous- Maharashtra, The National Institute of Engineering-Mysore, Narasaraopeta Engineering College, Autonomous-AP, Matrusri Engineering College, Autonomous- Telangana, In Collabration with ExelREdtech Pvt. Ltd., from 16-07-24 to 22-07-24.

• Dr. V. Venkata Rao, Dr. Md. JaveedAhammed, Dr. B. Siva Nagesawara Rao, Mr. B. BalojiNaik, Mrs. G. Rajavali, Mr.D. Suneel, Mr. CH. AdiBabu, Mrs. P. Vinuthna, Mr. A. Ramesh, Mr. G.Ramana Reddy, Dr. Y. V. Lakshmaiah, Mr. P. S. S .Chakravatrthy, Mr. M. B. Narendra, Dr. Sk. Bajidvali, Mr. Sk. Md. Shareef, Mr. A. Raveen draBabu, Mr. Sk. NannuSaheb, Dr. B. Suneetha, Mr. P. Jaya Babu, Mr. B. Babu Rao, Mrs. T. In dira, Dr. A. V. Nageswara Rao, Dr. Sk. EbrahemKhaleelulla, Dr. K. Raju, Dr. Y. Jai Pal Reddy, Mr. J. Narasimha Rao, Mr. V Naveen Raja, Mr. CH. Seshu Kumar has participated in the AICTE Recognized One Week FDP on "5G and Its Use Cases", conducted by Dept: of ECE from 29-07-24 to 02-08-24 at Narasaraopeta Engineering College.



• Dr. V. Venkata Rao, Dr. Sk. EbraheemKhaleelulla, Dr. B. Suneetha, Mrs. P. Vinuthna, Mrs. G. Rajavali, Mrs T. Indira and Mr. G. Ramana Reddy, has successfully participated in the One Week Online FDP on " Semiconductor Devices, Modeling & Circuit Technology", Organized by ECE Dept Of Lendi Institute Of Engineering and Technology, from 19-08-24 to 24-08-24.


CERTIFICATE OF PARTICIPATION
Yeeravalli Venkata Rao
CERTIFICATE OF PARTICIPATION
Dr SK Ebraheem Khaleelulla
CERTIFICATE OF PARTICIPATION
P.Vinuthna
CERTIFICATE OF PARTICIPATION
RAJAVALI GUNTUR

• Mr. G. Ramana Reddy, has successfully completed the online certification course on " Machine Learning and GenAI" from 05-08-24 to 16-08-24, Organized by IEduVibhu in Association with Aditya Learning Academy(ALA), AdityaUniversity,A.P.


IEduVibhu
ADITYA UNIVERSITY
Certificate of Participation
Ramanareddy Gujjula

• Mrs. G. Rajavali, has participated in 10 Hrs International FDP on "Machine Learning and Artificial Intelligence", Organized by ExceL-REdtech Pvt. Ltd. From 12-08-24 to 19-08-24.



• Dr. V. Venkata Rao, Dr. B. Siva Nageswara Rao, Dr. Md. JaveedAhammed, Mr. G. Ramana Reddy, Mrs G. Rajavali, Mr. A. Ramesh, Mr. M. B. Narendtra has participated in the One Week International FDP on "Cutting- Edge Technologies in Computer Science" during 23-09-24 to 29-09-24, Organized by EASWARI Engineering College, Chennai.



• Dr. Md. JaveedAhammed has participated in the One Week AICTE Recognized FDP on "Microstrip Patch Antenna Design Techniques and Tools", Conducted by Dept of ECE, From 16-09-24 to 20-09-24 at NITTTR, Chandigarh.



• Birth Anniversary Of Dr. APJ Abdul Kalam, on 15-10-24 was celebrated in Narasaraopeta Engineering College.



• Dr. RajuKolluri, has successfully participated and completed AICTE Training and Learning (ATAL) FDP on "Engineering Technologies in analog and digital IC designs using EDA Tools" at QIS College of Engineering & Technology from 23-09-24 to 28-09-24.



• Dr. B. Suneetha and Mrs G. Rajavali, has successfully participated in 5 Days International FDP on "Project Excellence: Digital Marketing ", Organized by MLR Institute Of Technology, Dundigal, Hyderabad and Sri Vasavi Institute of Engineering and Technology-A.P., in collaboration with ExcelREdtech Pvt. Ltd. From 21-10-24 to 25-10-24.



• Mr. MHH Sastry, has successfully participated in 5 Days FDP on, "Devoloping AI-Powered AR/VR in the MetaverseApplications " between 21-10-24 to 25-10-24, Organized by D.N.R. College of Engineering & Technology(Autonomous), Bhimavaram.





• Dr. Md. JaveedAhammed has participated in the AICTE Recognized FDP on "AI for Engineering Applications" ECE Dept: From 04-11-24 to 08-11-24 at NITTTR, Chandigarh.

• Dr. B. Suneetha, Mrs. G. Rajavali has participated in 5 Days FDP on "Cloud Architect", Jointly Organized by Vardhan Engineering College, GMRIT, Shanthi Ram Engineering College in Collaboration with ExcelREdTech. Pvt. Ltd. From 18-11-24 to 22-11-24.



• Mrs. P. Vinuthna and Mr. G. Ramana Reddy, has actively participated in International Webinar on "Emerging Trends In Shaping Future of Business and Technology" Organised by Dept: Of Commerce with Computer Application on 04-12-24.

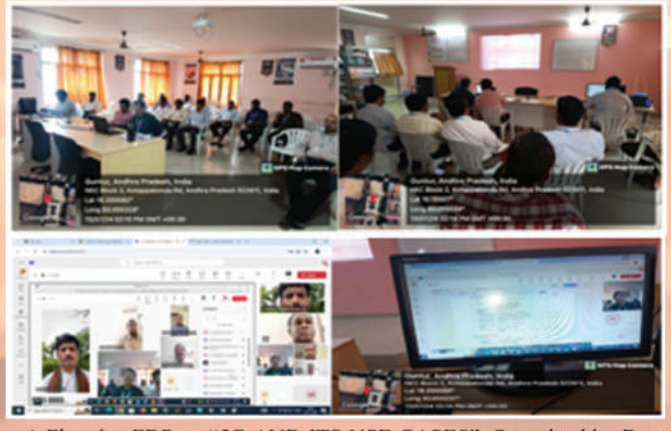


NPTEL Courses

Sl .No	Name of the Faculty	Course Name	Date/s of the event
1	Dr. V. Venkata Rao	Cloud Computing	July-Oct 2024(12Week Course)
2	Dr. K. Raju	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
3	Dr. B. Suneetha	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
4	Dr Y Jaipal Reddy	Cloud Computing	July-Oct 2024(12Week Course)
5	Dr .Sk. EbraheemKhaleelulIn	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
6	Mr. N. Srinivasa Rao	Cloud Computing	July-Oct 2024(12Week Course)
7	Mr.A.RaveendraBabu	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
8	Mrs.P.Vinuthna	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
9	Mr. P. Jaya Babu	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
10	Mr. V. Naveen Raja	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
11	Mr. SK. Md. Shareef	Machine Learning and Deep Learning-	July-Oct 2024(12Week Course)
12	Mr. A. Ramesh	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
13	Mr. B. Babu Rao	Digital Circiuts	July-Oct 2024(12Week Course)
14	Mr. D. Suneel	Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
15	Mr. CH. AdiBabu	Machine Learning and Deep Learning-	July-Oct 2024(12Week Course)
16	Dr. B. Suneetha	NPTEL FDP on "Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
17	Mrs.P.Vinuthna	NPTEL FDP on "Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
18	Mr. P. Jaya Babu	NPTEL FDP on "Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
19	Mr. D. Suneel	NPTEL FDP on "Introduction To Industry 4.0 and Industrial IoT	July-Oct 2024(12Week Course)
20	Mr. CH. AdiBabu	NPTEL FDP on Machine Learning and Deep Learning- Fundamentals and Applications	July-Oct 2024(12Week Course)
21	Dr Y Jaipal Reddy	NPTEL FDP on Cloud Computing	July-Oct 2024(12Week Course)

DEPARTMENT ACTIVITES

• ECE Department BoSfor II B.Tech. is completed on 13-07-24at Dept. Seminar Hall.



• A Five day FDP on "5G AND ITS USE CASES", Organized by Dept of ECE & IQAC in Association with NITTTR, Chandigarh from 29-07-24 to 02-08-24 at Narasaraopeta Engineering College.



• A Guest Lecture on "Role of IOT in modern Era", Organized by Dept of ECE & IQAC in Association with IETE on 07 /08/2024 at Narasaraopeta Engineering College.





• Orientation programme and graduationday were conducted in Narasaraopeta engineering college on 10/08/2024





• 78th Independence Daywas celebrated inNarasaraopeta Engineering College on 15/08/2024.



• A Session on "Innovation and Interpreneurship Outreach Program in School" at Atal Tinkering (ATL), Zillapaishad High School, Sankarabharathipuram, Narasaraopeta on 23-08-24, in Association with IEEE NEC Student Branch, Dept. of ECE, Narasaraopeta Engineering College.

• A Session on "Innovation and Interpreneurship Outreach Program in School" at Atal Tinkering (ATL), Zillapaishad High School, Sankarabharathipuram, Narasaraopeta on 23-08-24, in Association with IEEE NEC Student Branch, Dept. of ECE, Narasaraopeta Engineering College.







• Anti-ragging rally was conducted by Narasaraopeta Engineering College from Railway station 1st gate to Gandhi Statue, Narasaraopet on 03-08-24.



• A Two Day workshop on "PCB Design", Organized by Dept. of ECE & IQAC in Association With IEEE NEC student Branch, on 30-07-24 and 31-07-24, Resource person Mr. SaduSaiSandeep MD, Vishishta Innovations Pvt Ltd., Guntur.





• On the occasion of VinayakaChavithi, Models & Prototype Club of Narasaraopeta Engineering College conducting " Vinayaka Idols Competetion" for students on 06-09-24



• On the Occasion of Engineer's Day, The department of ECE in Association with IEEE student branch has organized an event "Electro Sorter" on 13-09-2024 and "Technical Treasure Hunt" on 14-09-2024.





• Fresher's Day 2024, was celebrated in Narasaraopeta Engineering College on 20-09-24.





• One Week Workshop on "Arduino with Scratch", for II- ECE students, Organized by the Department of ECE in association with APSSDC from 23-09-2024 to 28-09-2024.



• Academic Audit is going in the ECE department by External Members (Dr. Md.Shareef, Dr. Sk. Mohiddin Shaw, Dr. V. Poli Reddy and Dr. K. Suresh Babu) on 26-09-24.



• "Girls Safety and Grievance Redressal Committee" was Organized a meeting with girls students of all years, to discuss issues related to the girls protection on 25&27-09-24 at Tech Hub Seminar Hall.



• "World Space Week -2024", Was celebrated in Narasaraopeta Engineering College, From 07-10-24 to 09-10-24.









• Exhibition of ISRO Rocket Models, Satellite Models and Display Portals. NEC Students Explaining the related information





• Recketry Workshop conducted by Department of ECE in association with Rocketeers Research Institute 15099,Sarvan Park,Rahon road Ludhiana -141007 Punjab Resource Person : AkashEkka (Co-founder of Rocketeers Research Institute) on 08-10-2024





• Guest Lecture on "Opportunities in ISRO Centers for ECE Students on 08-10-24 by Dr. Madan Kumar Garu.



• Guest Lecture on "Flight Safety Measures" for B-Tech Students on 08-10-24 by Dr. J. V. N Ravi Kumar Garu.



• Elocution Competition on "Space, Science & Technology, Rocketry, satellites and Interplanetary missions" conducted by ISRO in association with NEC on 08-10-2024.





• Parent-Teacher meeting conducted by ECE Department on 26-10-2024 at Dept: Seminar Hall, in Narasaraopeta Engineering College.



• ISO files inspection by external expert in ECE department on 25-11-24.





• ISO Certificate Issued for Narsaraopeta Engineering College by ISO Expert on 05-12-24.

• CRC Meeting conducted for II- I B-tech- ECE Students and Faculty on 06-12-24 at Department Seminar Hall.



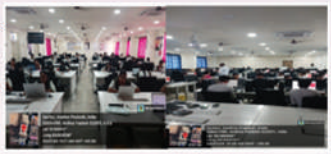


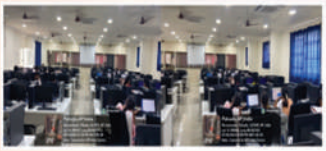
Internet of Things Applications Using Arduino" during 19-20 December-2024, Organized by Dept. of ECE-KHIT, in Association with IETE Chapter Vijayawada.

STUDENT FOCUS

TRAINING PROGRAMS ORGANIZED

Employability Test series-2 on 02-07-24, for ECE-IV year students by TPO Mr. Ananda at Tech-Hub lab, Narsaraaopeta Engineering College.





C Programming Practice Sessions for IV-ECE Students from 05-07-24 to 09-08-24 at Incubation and ECAD Labs.

Alumni interaction for IV-ECE students by Allasarathsai (Roll no: 17471A04C3), working as packaged app development analyst, Accenture on 06-07-24 in Narasaraopeta engineering college.





IV-I B-TECH-ECE students went to industrial visit to "SHAR" at SRIHARIKOTA on 09-07-24, On the return journey from SHAR they visited pulicat lake, Changalamma-Parameswariammavari temple in sullurpet, KanipakamVarasiddhiVinayak.a temple as a part of Industrial tour.

C Programming Practice Sessions for IV-ECE Students from 05-07-24 to 09-08-24 at Incubation and ECAD Labs.





IEEE NEC SB has organized a Seminar on "Empowering Career through IEEE Volunteering" by Mr. M. SaiPrasanth, Chair, IEEE Education Society Ad Hoc Committee, IEEE Hyd Section Hyderabad, on 29-07-24.

Accenture Specific Training for IV-ECE-students byByteXel company from 18/07/24 to 31/07/24.



Accenture Specific Training for IV-ECE-students byByteXel company from 18/07/24 to 31/07/24.





On the occasion of 78th independence Day, painting competition and Essay writing competitions were conducted by Narasaraopeta Engineering College on 0708/2024 and 08/08/2024.

IV-I- B-Tech ECE students attended a "SIH 2024 Awareness Session" with Dr. AbhayJere, from the AICTE & Ministry of Education's Innovation Cell, on August 27, 2024.





IV- ECE Students attended an Online Conference on "SEMICON INDIA- 2024", By our Honorable Prime Minister Sri NarendraModi, Organized by Ministry of Electronics and Information Technology (MeitY), Govt. Of India on 11-09-24 at 11 A.M., in Block-3 Main Seminar Hall.

Awareness programme on "Overseas Higher Education" by Leo Global Overseas Education, for IV- ECE students on 12-09-24, in Block-3 Main Seminar Hall.



"CRT Training Program" was conducted to IV- ECE Students from 23/09/2024 to 28/09/2024, organized by the company :ByteXL at Tech Hub WiFi Centre.



Seminar on "Global Education" for III- ECE students by IDP on 17-10-24.



III- B-Tech- ECE students went to Industrial Visit on 18-10-24 at "EFFC-TRONICS SYSTEMS Pvt. Ltd, Managalagiri.





SK. Rabbani II- M- Tech, had presented a paper titled "Implementation of Heart Disease Prediction Using PCA Classification Algorithm", at the "4th IEEE International Conference on Artificial Intelligence and Signal Processing (ASIP)-2024", Organized by the school of Electronics Engineering, VIT-AP University, Amaravati, held between 26th -28th October 2024.

Accenture Practice Session for IV ECE students by ByteXL, from 23/09/2024 to 28/09/2024.





Company Specific Training by ByteXL Teamfor IV ECE- 74- girls students, from 01/11/2024 to 06/11/2024.

Campus Drive for IV-B. Tech Students on 07-11-24 by Kpit Company, Eligible students: 66 and 3 Students are Shortlist for interview.





Accenture Specific Training for IV-ECE Students by ByteXL Team from 19-11-2024 to 27-11-2024.

Accenture Specific Training for IV-ECE Students by ByteXL Team from 19-11-2024 to 27-11-2024.





Interaction with II- ECE Students by Alumni Mr. D.Harsha Ravi Teja, Roll No: 16471A0415, Working in MphasisPvt Ltd as Associate Software Engineer, Bangalore, India, On 29-11-24.

Guest Lecture on "Opportunities with GATE" For ECE-IV year Students, by Mr. V.R.D.M. KausikAgastyaraj, Faculty at ACE Engineering Academy, on 04-12-24, at Block-3 Main Seminar Hall.





Interaction with III ECE-B section students by TanniruAvinash (17471A0415), Working as senior software Engineer in Itimindtree, Bangalore on 18-12-24.

Acadamic Toppers

I B.Tech II Semester – ECE Toppers



II B.Tech II Semester – ECE Toppers



III B.Tech II Semester – ECE Toppers



IV B.Tech I Semester – ECE Toppers



ALUMINI VOICE

Being a student at NEC is fantastic. The atmosphere at our college is fantastic. I had the chance to network and hone my professional and social abilities. My advice to current NEC students is to enroll in the courses and training courses offered by the college, as these can help you develop your profession and boost your confidence. I want to take a moment to express my gratitude to every NEC member.



KarthikKasani
Associate System Analyst
SS&C EZE software solutions
20471A0425

STUDENT VOICE



ChNarendra Reddy
23471A04BK
II ECE

Our department provides the ideal setting for students to easily follow their passions. Here, the future of every student is imagined. These days, all engineering schools function like factories, creating robots in large quantities, shattering students' hopes, and awarding degrees. Our college is working hard to change this. In this context, they urged me to apply for Stanford University's University Innovation Fellowship, which selects and trains students from various universities across the globe to improve the environment. Being a member of this program makes me happy. Being a NECian makes me proud.

Vision

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

Mission

The department of computer science and engineering is committed to

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

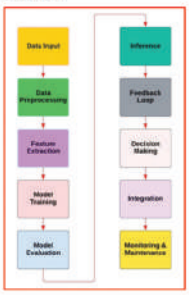
Modern Trends in Technology Artificial Intelligence

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

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

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

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



Advantages of Artificial Intelligence

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

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

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

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

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

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

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

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

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

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

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

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

Disadvantages of Artificial Intelligence

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

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

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

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

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

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

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

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

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

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

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

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

Features of Artificial Intelligence

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FACULTY FOCUS

Publications / Conferences / FDP:

Dr Soma Sekhar K has got certificate for successfully completing Artificial intelligence Foundation Certification on july 1st.by Infosys spring board,



MSuneethahasgotcertificatesforsuccessfully completing Artificial intelligence Foundation Certification on july 1st.by Infosys spring board,and another certificate of introduction to Data science by Infosys spring board.



VenkataraoMarellaandKarunakuamarandA Anusha has got certificate for successfully completing programming using JAVA Certificationonjuly2nd.byInfosysspringboard and another certificate in Data structers and algarithemsusingjavabyInfosysspringboard.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Innovation is our tradition

- M.Venkata raohas got certificate for participated in one week FDP on "DESIGN THINGING AND INNOVATION" organized by IQAC & Dept of mechanical engg. Narasaraopeta engineering college. inassociationwithVITfrom18-06-2024to 22-06-2024.





- SkRafihasgotcertificateforparticipatedinone week FDP on "DESIGNTHINGINGAND INNOVATION"organizedby IQAC & Dept of mechanical engineering, Narasaraopeta engineering college . in association with VIT from 18-06-2024 to 22-06-2024.

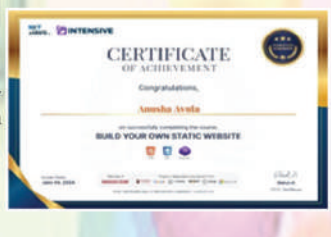
- Karuna kumar has got certificates in Java foundation certificate





- M Venkata rao has got certificates in Java foundation certificate

- AAnushahasgotcertificateinbuildyourown static website from Nxtwave,



- M.SatyamReddyhascompletedcertification programme on SOFT COMPUTING AND SIGNAL-PROCESSING(ICSCSP–2024) JUNE 21-22, 7thInternational Conference (an analysis on the capacity of the convolutional neutralnetworkandthecurrentneutralnetwork to identify vocalproblems.



- M .Suneetha has completed certification programme on SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP–2024) JUNE 21-22, 7thInternational Conference (an analysis on the capacity of the convolutional neutralnetworkandthecurrentneutralnetwork to identify vocalproblems.



- Mr . Nukala Vijaya Kumar has successfully attended an online workshop session on Entrepreneurship as career conducted on june 22,2024 conducted byEntrepreneurship developmentinstituteofindiaAHMEDABAD.



- ANUSHA .A has completed on JAVA Foundationcertificationby-INFOSYSSPRING BOARD.



- Dr.S.V.N Srinivasulu has successfully completed and received a passing grade in CC0101EN:IntroductiontocloudComputinga course of study offered by IBM, an online learning initiative of IBM by issued may 7, 2024 .





- DR.SomaSekherksuccessfully-completedArtificial Intelligence Foundation Certification on july 15, 2024 by Infosys spring board.

- M.Mounika forsuccessfully completedMachine LearningFoundation Certification on july 9,2024 by Infosys spring board and another CertificationExplore Machine Learning using python on july 9 ,2024 by Infosys spring board.



- M.Mounika for successfully completing Applied Generative AI Certification on July 21 2024 by Infosys spring board and Open AI Generative pre- trained Transformer 3 (GPT-3) for developers on July 6,2024 by Infosys spring board. And also completedIntroductiontoOpenAIGPTmodelson July6th 2024,and also completed AI-first software Engineering on July 6th 2024.another certificate completed from Malaviya national indenture of technologyJaipur , India on 5th international conference on data science and Application s (ICDSA 2024).





- T G Ramnadh Babu got certificate for successfully completing the course Introduction to Artificial Intelligence on July 24 ,2024 by Infosys spring board.



- Satheeshkumar R completed certificate for successfullycompletingthecourseIntroductionto Machine Learningon July 17, 2024 by Infosys springboard.



Yaragani Neelima has got certifica tion of participation on completin the workshop on "Knumbu Use Awareness Training Session" orga nized by Narasaraopeta Engineerin College on 4th July 2024.



- _APUniversity,Amaravathi.Anothercertificatefor Active and Invaluable participation of during the conduct of five day online FacultyDevelopment Program on the "EXPLORE INNOVATIVE TRENDSINMACHINELEANINGANDDEEP

LEARNING" held on 10th-14thJune 2024 , Organized by Department of CSE –Artificial Intelligence & Machine LearningLakireddy BaliReddyCollegeofEngineering(A),Mylavaram

,NTR (Dist.)-521 230,Andra Pradesh. Another certificate has attended one –week online FDP on "Distributed Larger Technologies ", organized by Department of Artificial Intelligence & Data science,Dr. Dmodefrom4thDecember2023to11thDecember 2023.And another certificate has successfully participated in the five Days National Level Faculty Development program on "EXPLORING COMPUTATIONAL INTELLIGENCE"OrganizedbySCOPE,VIT–AP University, amaravathi,From 16-07-2024 to 20-07- 2024. And another certificate for successfully completion of 30 hours Live Training Program on PYTHONPROGRAMMINGandSQLHeldFrom 27thNov 2023 to 15thDec2023 by EDL. Another participated in 10 Hours national Faculty Development Program on Deep Learning and – Artificial Intelligence Organized byAndhra Pradesh state skill Development Corporation (APSSDC) in Collaboration with EXCELER ED techpt.Ltd.Date: 26thFebto1thmarch2024.AND Anotherparticipated in 10 HoursnationalFaculty Development Program Data analytics using Power BI and Tableau organized by Faculty of IT and CS –Parul University-Gujarat, Atria Institute of Technology- Karnataka Amity Pune –Maharashtra inCollaborationwithExcelEdtechpvt.ltd. Date11thMarch to 15 March 2024.Another certificate to participated in the five daysnationalFaculty Development Program On "EXPLORING COMPITATIONALINTELLIGENCE(ONLINE)"

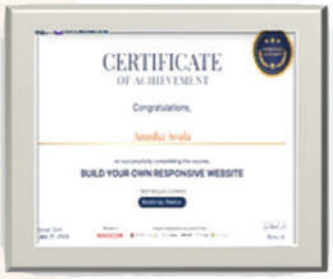
Organized bySchool of computer science and Engineering. VIT_AP University Amravati from 16thJuly 2024 to 20thJuly 2024.Another certificate for your contribution as a Technical Reviewer for 2024 SixthIEEESponsored International Conference on Electrical, computer and Communication Technologies (IEEE ICECCT 2024) held at Chhattisgarh Swami Vivekananda Technical University (CSVTU), Bhilai,Chhattisgarh,Indiaduring26-28,June 2024.The conference has been organized by the IEEE Student Branch of CSVTU and Technically Co-Sponsored by IEEE Madhya Pradesh section.



- Dr. R. Satheeskumar , Dr .M.Seerisha, M.Suneetha, Narasaraopeta Engineering College has successfully participated in the Five Days National Faculty Development Progrmme On "EXPLORING COMPUTATIONAL INTELLIGENCE(ONLINE)" Organized bySchool of computer science and Engineering. VIT_AP University Amaravathi from 16thJuly 2024 to 20thJuly2024.



A.Anusha on successfully completing the course, BUILD YOUR OWN RESPONSIVE WEBSITE Technologies Covered Bootstrap,Flexbox issue Date: July 31,2024.





G.Saranya onsuccessfully completing Machine Learning Foundation Certification on July 29,2024 by Infosys Spring board.

SK.RAFI,M.Suneethagotcertifcicationforactively participating on Faculty Enablement Program On Artificial Inttelligence conducted from June 24,2024 to June 28,2024 by Infosys Springboard.





M.SampathKumarforsuccessfullycompletingthe course Introduction to Artificial Intelligence conducted from July 24,2024 by Infosys Springboard.Another certificate Programming In C on July 15,2024 byInfosys Springboard. Another certificate Narasaraopeta Engineering College has successfully participated in the Five Days National Faculty Development Programme On "EXPLORING COMPUTATIONAL INTELLIGENCE(ONLINE)" Organized bySchool of computer science and Engineering. VIT_AP University Amaravathi from 16th July 2024 to 20th July2024.







M.Venkata Raofor actively participating on Faculty Enablement Program On Java Programming conducted from July 1,2024 to July 5,2024 byInfosys Springboard.





K.V.NarasimhaReddyfor successfully completing the course Introduction to Agile Methodology on August5,2024byInfosys Springboard.

N.Vijay Kumar In recognition of successfully completing a one week International Faculty Development Progrmme On"AI Sustainable Development" from 5th August 2024 to 9th August 2024, organized by VIIT,pune, IEEE Region 10 Humanitarian Technology activities ,IEEE Pune section, IEEE pune section SIGHT group, IEEE Pune section SIG on "Energy and Environmental Engineering "and IEEE VIIT Student Branch.



K.V.Narasimha Reddy, T.G.Ramnadh Babu, M.sathyam Reddy, M. Sampath Kumar, M.Suneetha,Ch.rajani,M.MounikaParticipatedin

10 Huors International FacultyDevelopment Progrmme on AI And Gen AI With Industry Application organized by MIT Acadamyof Engineering(MITACE)Autonmous-Maharastra.The National Institute ofEngineering –MYSURE. Narasaraopeta Engineering College Autonmous- Andhra Pradesh. MatrusriEngineering College Autonmous-Telanganain Collabration with ExceLR Edtech pvt ltd. On 16th July to 22nd July 2024.



Conference Partification Certificates on 13-14 March2024 ByS.N. TirumalaRao, K.V.Narasimha Reddy, S.V.N.Srinivasulu,N.VijayKumar,D.VenkataReddy, M.Sireesha, M.Venkata Rao, G.Saranya.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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- R. Sathees Kumar got certified Introduction to Deep Learning on Augustl, 2024 by Infosys Springboard.





- M. SureshgotcertifiedDeepLearning With Python on August 1, 2024 by Infosys Springboard.

- Dr.E.Rama Krishna got certified has attenda two- day FDP on "Deep Learning and IOT Technologies in precision Healthcare" during 16th and17th August 2024 by Kongu Engineering college (Autonomous) and another certificate has participated in the Five Days FDP on "Exploring MachineLearningCyberSecurity:ToolsandTrends " organized by the Department of Computer Scienceand Engineering,Sri Venkateswara College ofEngineering from 05-08-2024 to 09-08-2024.

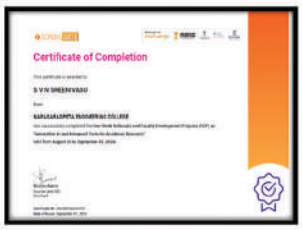




- Mr. DODDA VENKATA REDDY NARASARAOPETA ENGINEERING COLLEGE has actively participated in the 5-day Online Faculty Development Program on "AI and IoT for Agriculture and-HealthCareApplications",organized by the Department of ECE, Chaitanya Bharathi Institute of Technology, Hyderabad inassociation with theCentre for Training and Learning, National Institute of Technology Warangal, during 23rd - 27th of July, 2024.



- Dr S V N Srinivasulu got certified has successfullycompleted the one –week National Level Faculty Development Program(FDP) on "Generative AI and Advanced Toolsfor Academic Research", heldfromAugust26toSeptember01 ,2024,by SCROLLWELL.



- Dr. k. Suresh Babu has undergone Innovation Ambassadar (IA) training "Foundation Level"(Total 16 Sessions of 30 contact hours) conducted in online mode byMoE's Innovation Cell & AICTE during the IIc calendar-year from 01-09-2024.



- Dr.M.Sireesha, Dr.K.Suresh Babu and N.Vijay Kumar have participated in 10 hours International FacultyDevelopment Program onMachineLearningandArtificialIntelligence organized by pimpri chinchwad College of EngineeringandResearch,Ravet,Pune– Maharastra, Sri Venkateswara Degree College, Kadapa – Andra Pradesh , SJB Institute of Technology , Bangalore – Karnataka and sri Indu PG College, Hydarabad – Telengana in Collaboration with EXceIREdtechPVT.Ltdfrom 12th AUG to 19th 2024.



- K.V.Narasimha Reddy had paticipatedin the International Conference on Intelligent Algarithams for Computational Intelligence Systems(IACIS) organized by NNavks College of Engineering, Hassan(NECH),23rd -24th August 2024,entitled as "ResNet-CNN Model for Plant Disease Classification for E-Agriculture Applications".





- M.Sampath Kumar has participated in3rd International Conference for Advancement in Technology (ICONAT) during 13th to 15th September 2024, entitled as "An Interactive Healthcare Recommendation System Using Big Data Analytics".

- K.V.Narasimha ReddyandT.G.RamanadBabu haveparticipatedinatthefirstinternational conferenceonAdvancementsinSustainable Energy,Materials &Manufacturing Technology (ICASMMT2024) during13th&14thSeptember, Technology,Hyderabad,telangana,India. 2024 organizedbytheDepartmentofMechanical Engineering,MLRInstituteofTechnology, Hyderabad,Telangana,India.



- A.Ramesh Babu, M.Venkata Rao have participated in NPTEL-AICTE Faculty Development Program in data base management system by Jul-sep 2024.



- E.RamaKrishnahasparticipatedinElite NPTEL inIntroductiontoMachineLearningbyJul-Sep-2024.



- K.Suresh Babu, E.Rama Krishna have participated in 6th International-Conferenceon Advances in Electrical and Computer Technologies 26-27, Sep 2024 Tiruchengode, Tamilnadu,India .The Conference has been organized in ONLINE MODE.



- SHAIKRAFI had participated in 9th International Conferenceon IoT & ConnectedTechnologies ICIoTCT 2024,and his "Multimodal Multi Objective Grey Wolf Optimization with SVM and Random Forest as Classifier Selection" held at National Institute of technology Mizoram, Aizawl,Mizoramfrom27thSep2024.



Dr. R. Sateesh Kumar, Dr.K.Suresh Babu, Dr.E.RamaKrishna,V. KarunaKumar,CH.Rajini, M.Koteshwara Rao, A.Ramesh Babu, D.Sunil have participated in the one week International Faculty Development Program on "Cutting –Edge Technologies in Computer Science" during 23-09-2024 to 29-09-2024.



- D.Venkata Reddy,M.Mounika Naga Bhavani have participated in Sixth International Conference on Advances in Electrical and Computer Technologies 2024 (ICAECT2024) during26-27,September 2024.ICAECT 2024 is jointly organized by the Sengunthar Engineering College (AUTONOMOUS), Tiruchengode, Tamilnadu, India.



- Dr SVN Srinivasulu has successfulcompleting the coursePython forData Science byNPTEL, during Jul-Aug 2024.





- M.Sampath Kumar has participated in One Week Faculty Development Program on Planning Execution and Evaluation of Project Work Conducted by AICTE Recognized from 09-09-2024 to 13-09-2024.



- S.N.Tirumala Rao had participated in 3rdInternational Conference on Optimization Techniques in the Field of Engineering (ICOFE- 2024) Organized by K. S.R College of Engineering Namakkal, Tamil Nadu,India on 22&23 October 2024

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- ShaikRafihadparticipatedin4thIEEEInternational Conference on Artificial Intelligence and Signal Processing(AISP)-2024) Organized by the School of Electronics Engineering ,VIT-AP University,Amaravathi held between 26th-28thOctober 2024.




- Dr.RSatheesKumargotCertificateofRegistration for a UK Design . The design of which a representation or Specimen is attached On 22 Oct 2024 to 29 Aug 2024.



- Dr. S V N Srinivasu had participated in 4th IEEE International Conference on Artificial Intelligenceand-Signalproccessing(AISP'24) organizedby the school of Eltronics Engineering VIT- AP University , Amaravathi held between 26th -28th October 2024.



- Dr. R. SatheesKumar had participated in 6thInternational Conference on Communication and Intelligent Systems (ICCIS 2024) Organized by Maulana Azad National Institute of Technology (manit),Bhopal,IndiaTecnically-SponseredbySoft Computing Research Society November 08- 09, 2024.



- V.Karuna Kumar had participated in 5 Days International Faculty Development Program on Gen-AI and Prompt Engineering Using Microsoft Co-Pilot organizedby BNM Institute ofTechnologyBangalore(BNMIT)-Karnatakain Collaboration with EXceLR Edtech pvt. Ltd. Date: 16th Sep to 20th Sep 2024.



- G.Seranyahad participated in 2024 First International Conference on Innovations in Communications, Electrical and Computer Engineering (ICICEC 2024) held at Bapuji InstituteofEngineeringandTechnology(BIET), davangere, Karnataka, India during 24-25, October 2024.



- V.Karuna Kumarhad participated in 2024 First International Conference on Innovations in Communications, Electrical and Computer Engineering (ICICEC 2024) held at Bapuji InstituteofEngineeringandTechnology(BIET), davangere, Karnataka, India during 24-25, October 2024.



- Dr. M Sireesha had participated in 2024 First International Conference on Innovations in Communications, Electrical and Computer Engineering(ICICEC2024)during24-25,October 2024 Davangere, Karnataka, India. Another Certificateparticipated in 3rd International ConferenceonAdvancesinData-drivenComputing and Intelligent Systems (ADCIS 2024) organized by BITS pilani, K Birla, Goa Campus, India. Technically Sponsored by Soft Computing Research Society during September 20-21, 2024.





- Dr. M Sireesha has presented the paper titled Prediction of Employee Attrition using Machine Learning Algorithms authored by Ch.V.Satyanarayana, Dr.SNTirumalaRao,SirishaMouthri, M.Sathyam Reddy, Sneha Ananya Mallipeddi, Sandeep Mallipeddi in the 3rdInternational Conference on Advances in Data-drivenComputingandIntelligentSystems(ADCIS 2024) organized by BITS pilani, K K Birla, Goa Campus, India. Technically Sponsored by Soft ComputingResearchSocietyduringSeptember20- 21, 2024.



- Dr. M Sireeshahas presented the paper titled OptimizingThyroidDiseaseDiagnosis Through Machine Learning Algorithms authored by Ch.V.Satyanarayana, Dr.SNTirumalaRao,SirishaMouthri, Rama Krishna Eluri, Sneha Ananya Mallipeddi, Sandeep Mallipeddi in the 3rd International Conference on Advances in Data- drivenComputingandIntelligentSystems(ADCIS 2024) organized by BITS pilani, K K Birla, Goa Campus, India. Technically Sponsored by Soft ComputingResearchSocietyduringSeptember20- 21, 2024.



- M.MounikaNagaBhavanihaspresentedthepaper titled Automated Bird Species Recognition: Harnessing Deep Leaning based Xception Architecture authored by M. Mounika Naga Bhavani Sireesha Moturi, Rama Krishna Eluri Dr. S N Tirumala Rao, in the



3rdInternational ConferenceonAdvancesinData-drivenComputing and Intelligent Systems (ADCIS 2024) organized by BITS pilani, K K Birla, Goa Campus, India. Technically Sponsored by Soft Computing Research Society during September 20-21, 2024.

- Yuva Sravani Manepalli has presented the paper titled Deep-WaveMRI:EarlyAlzheimer's Detection authored by Sireesha Moturi, Yuva Sravani Manepalli Venkata Rao Marella, Priyanka Pulivarthi, Sirisha Gogada, M. Mounika NagaBhavani, in the 6thInternational Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08-09, 2024.



- P. Ujwla Devi has presented the paper titled Integrating CNN, LSTM with DenseNet201 for Efficient Real-Time Plant Disease Detection authored by S. N. Tirumala Rao, P.Ujwala Devi Venkata Rao Marella, R. Nandini, S. Vasantha, D. Venkata Reddy, in the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08-09, 2024.



- Gudipudi Sony has presented the paper titled Skin Disease Identification authored by MotheSuneetha, SireeshaMoturi, Sighakolli, S. N. Tirumala Rao, Gudipudi Sony, Tummalapenta Vineesha, Gade Salini in the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08- 09, 2024.



- Gattu Thanuja has presented the paper titled Enhancing Cloud Security with Deep Learning–An ANN Approach for Cyber Threat Detection authored by MotheSatyam Reddy, Gattu Thanuja, Bojja Sobharani, Thalapaneni Suma Durga, DoddaVenkata Reddy, Sireesha Moturiin the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08-09, 2024.



- Teja Sri Vankayala has presented the paper titled Enhanced Optimized CNN Based Automated Diabetic Retinopathy Detection authored by Sireesha Moturi. Teja Sri Vankayala M.MounikaNaga Bhavani, EswarKalyani Karna, Venkayamma Akkapalli, K.V Narasimha Reddyin the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08-09, 2024.



- Vulleru Swamulu has presented the paper titled Heart Disease: A Comprehensive Evolutionof MachineLearningAlgorithmsauthoredby Vulluri SwamuluSireesha Moturi, S.N.TirumalaRao M. Mounika Naga Bhavani, in the 3rd International ConferenceonAdvancesinData-driven Computing and Intelligent Systems (ADCIS 2024) organized by BITS pilani, K K Birla, Goa Campus, India. Technically Sponsored by Soft Computing Research Society during September 20-21, 2024.



- Kandi Venkata Narasimha Reddy had successfully completing the course Introduction to Algorithms and Analysis by NPTEL, during Jul-Oct 2024.



- T.G Ramanadh Babu had successfully completing thecourseIntroductiontoAlgorithmsandAnalysis by NPTEL, during Jul-Oct 2024.



- M.Mounika Naga Bhavani had successfully completing the course Introduction to Algorithms and Analysis by NPTEL, during Jul-Oct 2024.



- DrSNTirumalaraoforsuccessfullycompletingthe course Machine Learning and Deep Learning – Fundamentals and Applications by NPTL.Another Certificate for successfully completing the course Deep Learning by NPTEL.





- Dr M Sireesha for successfully completing the course Machine Learning and Deep Learning – Fundamentals and Applications by NPTEL. AnotherCertificateforsuccessfully completing the course Deep Learning by NPTEL. Another certificate participated in 4thInternational Conference on Intelligent Vision and Computing (ICIVC2024) to be held during November 23-24, 2024.







- Dr K Suresh Babu, G Saranya and Y Chandhana have participated in 2024 First IEEE International Conference for WOMEN IN COMPUTING (INCOWOCO 2024)held at Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, Maharashtra, India during 14-15, November 2024.



- Dr Siva Nageswara Rao S, Shaik Khaja Mohiddin Basha have successfully completing the course Stress Management by NPTEL.



- ShaikRafihasparticipatedasaReviewerinthepeer review process of manuscripts submitted to "IEEE SILCON 2024", the flagship conference of IEEE silcher subsection, held at National Institute of Technology Agartala, Tripura, India during November 15-17, 2024.



- Y Chandana V Karuna Kumar have successfully completing the course Operating System Fundamentals by NPTEL.



- Y. Neelima for successfully completin gthe course Introduction to Internet of Things by NPTEL.





DrSighakollaNagaTirumalaRaohaspresented thepaperattheSecondInternationalConferenceon Advanced Computing ,Machine Learning , Robotics and Internet Technologies (AMRIT- 2024),organized in hybridmode byt he Department of Computer Science & engineering and Department of Electrical engineering, National InstituteofTechnologyAgartalaTripura,during8- 9,2024.

- Sireesha Moturihas presented the paper titled Enhanced Classification and Detection of Brain Tumer using Hybrid Deep Learning and Machine Learning Models authored by Sireesha Moturi, Divvela Bala Sri Abhigna, Shaik Sameera, Chinnam Hariniin the IInd International Conference on Advanced Computing, Machine Learning ,Robotics and Internet Technologies (AMRIT-2024) organized hybrid mode by the Department of Computer Science & engineering andDepartmentof-Electricalengineering,National InstituteofTechnologyAgartalaTripura,during8- 9,2024.





Shaik Khaja Mahiddin Bashahas presented the papertitledStroke-DetectionUsingNeuroimagesA Genetic Algorithm-Enhanced Bidirectional LSTM Approach authored by Shaik Khaja MahiddinBasha, Katari venkata Siva Rama Krishna, Manikanta Challa, Akhil Thaninki, SyedRIZWANA, Sireesha Moturiin the IInd InternationalConferenceonAdvancedComputing,Machine Learning , Robotics and Internet Technologies (AMRIT-2024) organized hybrid mode by the Department of Computer Science & engineering andDepartment of Electrical engineering, National Institute of Technology Agartala Tripura, during 8-9,2024.

- Sannithi Bhavani has presented the paper titled Towads High –Through put Medical Image AnalysiswithQuantumImage-Processing authored by YaminiChandana,SannithiBhavani,Karasala Deepika,Kolla Tejaswini, Suresh Kunda in the IInd International Conference on Advanced computing, Machine Learning ,Robotics and Internet Technologies (AMRIT-2024) organized hybrid mode by the Department of Computer Science & engineering andDepartment of Electrical engineering, National Institute of Technology Agartala Tripura, during 8-9,2024.



- Dr. S N TirumalaRao,Shaik Khaja Mahiddin Basha,T.G Ramnadh Babu,Ch.Rajani, M.Mounika naga Bhavani have Presented Paper entitled Transfer Learning for Efficient and Accurate Image Forgery Detection For IInd IEEE International Conference on Integrated intelligence and Communication Systems (ICIICS-2024) organized by Shambasva University, Kalaburagi, 22-23 November, 2024.





- Dr. Soma Sekhar Kollisetty for successfully completing the Course Programming in Java by NPTEL



- Dr SatheesKumar R, Ch. Rajani have successfully completingthe Course Programming in Cby NPTEL.





- Dr SatheesKumar R had participated in 2024 First International Conference on Innovations in Communications, Electrical and Computer Engineering (ICICEC2024) during 24-25, October 2024 Davangere, Karnataka, India.



- DR. Sireesha Mhad participating 5th Congresson Intelligent Systems (CIS2024) during September 04-05, 2024.



- T.GRamnadh Babu for successfully-completing the Course Fundamentals of Cryptography on November 26, 2024.



- M.Mounika Naga Bhavani, successfully completed Database Management system from INFOSYS SPRING BOARD on November 26, 2024. Another certificate for demonstrating competence in the completion of Getting Started with AI on Jetson Nane during Nov 22, 2024.





- DrMSireesha, Y.Neelimaveparticipatedin2024 First IEEE International Conference for WOMEN INCOMPUTING(INCOWOCO2024)held at Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, Maharashtra, India during 14-15, November 2024.



- BestPaperAwardPresentedtoKSureshBabu,P Mahesh babu, M Aswini Duth, G L V Prakash, T Naveen Satya, Shaik Khaja Mahiddin Basha, MSireeshahave participated in IInd International Conference on Algorithms in Advanced Artificial Intelligence ICAAAI_2024. For paper titled Web- Based Early Stroke Detection: a Machine Learning Approach with Explainable Insights during 4-6 December 2024.





- DR.KSureshBabugotCertificateofAppreciation inrecognitionofanoutstandingcontributioninpre-Reviewing the papers submitted to 2024 – IEEE International Conference on Intelligent Systems, Smart and Green Technologies (ICISSGT-2024) held on 2ndand 3rdNovember, 2024 organized by IEEEVizagBaySectionatDR.YVSMurthyAuditorium, Andra University, Visakhapatnam, India.



- M Koteswara Rao has actively Participated in the International Webinar on "Emerging Trends In Shaping the Future of Business and Technology" organized by Department of commerce with Computer Applications on 04-12-2024.



- M Suneethaforsuccessfully completing thecourse CyberSecurityandprivacybyNPTEL.Andanother Certificate has paper entitled Beyond Deep Features: fusing deep Learning with local textures for enhanced plant disease classification for IInd InternationalConferenceon integrated Intelligence and Communication Systems (ICIICS_2024) Organized by Sharnbasva University, Kalaburgi, 22-23 November, 2024.





- N Vijay Kumar for successfully completing the courseIntroduction-toAlgorithmsandAnalysisby NPTEL, during Jul-Oct 2024.



- M Satyam Reddy, M Suneetha, Y Chandana, G Seranya, M Mounika Naga Bhavani have participated in 5 Days Faculty Development Program on Cloud Computing Architect Jointly Organized by Vardhana Engineering College, Shamshabad_Hyderabad in Collaboration with ExcelREdtechPvt. ltd.During18thNovto22ndNov 2024.











- Naga Thirumala Rao Sighakolli from Narasaraopeta Engineering College has successfully presented a paper entitled Classification of Coffee Disease: A Systematized Approach BasedonChronicity and Transfer Learning in 2nd IEEEInternationalConferenceon Artificial Intelligence Trends and Pattern Recognition 2024, organizedby Vardhaman College of Engineering, Hyderabad held during 6 - 8 December 2024.



- Dr Sireesha M as a program Committee Member andreviewer in the 3rdCongress on Smart Computing-Technologies(CSCT2024)tobeheld during 14-15 December, 2024.



- Dr K Suresh Babu, Dr E Rama Krishna have participated in 2024 First IEEE International Conference for WOMEN IN COMPUTING (INCOWOCO 2024)held at Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, Maharashtra, India during 14-15, November 2024.





- Dr E Rama Krishna , Dr R Sathees Kumar, K V Narasimha Reddy Have Participated in 11th IEEE up Section International Conference on Electrical, Electronics and Computer Engineerin (UPCON_2024) 29th November-01st December 2024. Ramswaroop Memorial College of Engineering and Management, Lucknow, U.P, India.







- Dr M Sireesha Mouthri, G Seranyahave presented a paper entitled Thyroid Disease Identification using Machine Learning2nd International Conference on ALGORITHMS IN ADVANCED ARTIFICIALINTELLIGENCE(ICAAAI-2024)Organized by Department of Computer Science and Engineering, S.R.K.R. Engineering College(A), Bhimavaram, Andhra Pradesh from 4thto 6th December 2024.





- Dr M Sireesha Mouthri has presented a paper entitled Next-Gen Attendance System and Web-Based Early Stoke Detection: Approach with Explainable Insights using Machine Learning 2nd International Conference on ALGORITHMS IN ADVANCE-DRTIFICIALINTELLIGENCE (ICAAAI-2024) Organized by - DepartmentofComputerScience and Engineering, S.R.K.R. Engineering College(A),Bhimavaram, Andhra Pradeshfrom4th to 6thDecember 2024.



- DrMSireeshaMouthri, KSureshBabuShaikKhaja Bashahavepresentedapaperentitled Web-Based Early Stoke Detection: Approach with Explainable Insights using Machine Learning 2nd International Conference on ALGORITHMS IN ADVANCED ARTIFICIAL INTELLIGENCE (ICAAAI-2024) Organized by Department of Computer Science and Engineering, S.R.K.R. Engineering College (A), Bhimavaram, Andhra Pradesh from 4thto 6th December 2024.







- M Koteswara Rao has Successfully Completed the Course Basics of Python and Programming Fundamentals using Python-part 1during December 12, 2024.





- ARameshhasSuccessfullyCompletedtheCourse BasicsofPythonand ProgrammingFundamentals using Python-part 1, part 2 during December 12,

2024.









- MMounikahasSuccessfullyCompletedtheCourse Data Base Management System –Science Graduates during November 26 2024.

- N Vijay Kumar has participated in two day online workshop on Supercomputing Organized by GLBCRI and Department of CSE (AIML) in collaborationwithU-PLC,Gov.of UP,from28th Nov - 29th Nov 2024.





- Dr S V N Srinivasu has presented a paper entitled Next-Gen Attendance System in 2nd International Conference on ALGORITHMS IN ADVANCED ARTIFICIALINTELLIGENCE (ICAAAI-2024) Organized by Department of Computer Science and Engineering, S.R.K.R. Engineering College (A), Bhimavaram, Andhra Pradesh from 4thto 6th December 2024.

- DrKSureshBabuaffiliatedhaspresentedthepaper titled "A novel CNN architecture for COVID-19 prediction using chest X-ray imaging" at the IstInternational Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE-2024) held during 13-14 December 2024 at ChaitanyaBharathi Institute of Technology, Hyderabad, India.





- Dr R SatheesKumar Paper Titled AI-driven diagnosticsandpersonalizedtreatmentplanningin Oraloncology:Innovationsandfuturedirections.In 13 December 2024.

DEPARTMENTAL ACTIVITIES:

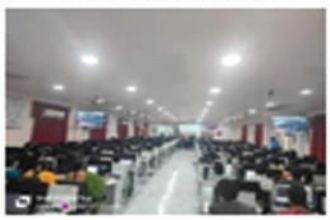
Workshops/Seminars/Industrialvisits/ Webinars:

HACKATHON IN JAVA LINKED LIST

- (leetcode problem solving) by lara technologies, Bangalore conducted in Narasarao pet engineering college on 19th to 20thJuly 2024organised by Department of of computer science and engineering in Association with CSI ,ACM&IIC.









- AIANDGEN AI WITH INDUSTRY APPLICATION From 16th July 2024 to 20th July 2024 By EXCELLER



- Infosysspring Board Training forI IIrd CSEA&B 22nd to 26th July 2024.



- EssayWriting Competition on behalfof Independence Day.



- Our Third year student developed a student attendance(phonecallapp). TodayOurHod sir and Principal sir launched the app.



- 78th Independence Day Celebrations organizedby Departmentof Computer Science and Engineering on 15-08-2024.





- A One Week Workshop on DEVOPS AND ITS TOOLS 22 to 29th August, 2024 DET Association With SVSRIT Solutions,Hyderabad-Organizedby EF Resource Person G.V.Subba Reddy Senior Technical Architect, VIRITS Hyderabad DEPARTMENT OFCOMPUTER SCIENCEAND ENGINEERING.



- Times Business Exllence Award2024



- Best Teachers day awards



- csp projectexpo

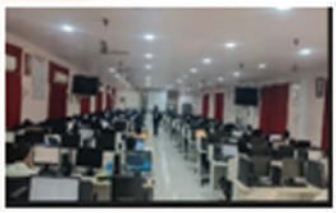


- A One Week Workshop on Android App DevelopmentUsingKOTLIN(part-2)from9thto 14th September , 2024 . Organizedby IQAC& Department of Computer Science and EngineeringInAssociationwithCSI,ACM,ISTE & IIC.






2 Days Accenture Placement Drive



ISOEXTERNAL AUDIT






- A 18 days workshop on Finishing school for Employability organized by Department of Computer Science & Engineering in association withICTAcademyInfosysFoundationduring7thto 24thDecember, 2024.

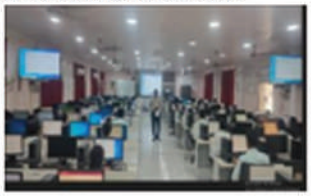




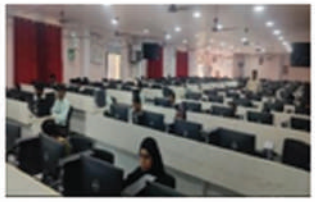





- APXORDriveconductedforIII-B.Techstudentson 09-12-24. 210 students attended to this drive




- JUSPAY Drive conducted for IV-B.Tech students on 12-12-24. 195 students attended to this drive.

- ALL II Year CSE Students Conducted on 14-12- 2024 ByteXL Grand Test.




- A Two Week Work Shop on INNOVATIVE WEB DESIGN USING REACT JS Organized by Department of Computer Science and Engineering during 26th Dec,2024 to 10thJan ,2025.







- IV-B.TechProjectReview-1isconductedon27th to 28th, December 2024.




STUDENTCERTIFICATIONS/ PARTICIPATIONSIN WORKSHOPS / CONFERENCES/NSSPROGRAMS: CO-CURRICULARACTIVITIES:

Thumutejaswinirollnumber21471A05L0studying B.Tech from NARASARAOPETA ENGINEERING COLLEGE of CSE Department has participated in "SPECATHON-2024" a 36 Hrs National Level Hackthon conducted by Department of CSM- GRADIENT CLUB held on 20th& 21stSeptember- 2024.





SHAIKHAFIJArollnumber21471A05C0studying B.Tech from NARASARAOPETA ENGINEERING COLLEGE of CSE Department has participated in "SPECATHON-2024" a 36 Hrs National Level Hackthon conducted by Department of CSM- GRADIENT CLUB held on 20th& 21stSeptember- 2024.

SYED RIZWANA roll number 21471A05D1 studying B.Tech from NARASARAOPETA ENGINEERING COLLEGE of CSE Department has participated in "SPECATHON-2024" a 36 Hrs National Level Hackthon conducted by Department of CSM- GRADIENT CLUB held on 20th& 21stSeptember- 2024.





CHINNAM JANAKIDEVI rollnumber 21471Ao5B0 studying B. Tech from NARASARAOPETA ENGINEERING COLLEGE of CSE Department has participated in "SPECATHON-2024" a 36 Hrs NationalLevelHackthonconductedbyDepartment of CSM-GRADIENT CLUB held on 20th & 21stSeptember-2024.

Our NCC students (II&IVCSE) donaterd blood at NRI hospital mangalagiri





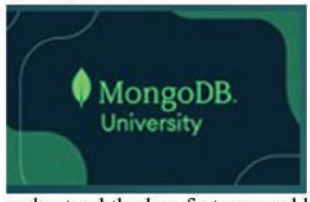
247 students from the IV B.Tech I semester of 21 Batch have successfully completed the Enterprise Design Thinking Parctitioner course , earning cerficates of achievement. The earners have acquired knowledge of applying Enterprise Design Thinking and its value.As a practitioner the badge earnerfindsopportunitiestotryitoutintheirevery day work.



- Certificates were awarded to 235 students of 22 Batch who completed the Infosys Springboard courses in Angular, Node.js, Express.js, and Mongo DB. Earning these certificates demonstrates proficiency and understanding of the respective technologies, which can be beneficial for career development and job opportunities in the tech industry.



- Anewcertificationin"GettingStartedwithMongo DB Atlas" from Mongo DB was awarded to 65 Students of 22 Batch. This course covers the fundamentalsofMongoDBAtlas,includingsetting up and managing databases in the cloud, understand the key features and benefits of using Mongo DB Atlas, and learning how to deploy and scale applications with ease.



- Arthi Achaibher, a student from the 22 Batch, has recently achivedasignificantmilestonebyearning the basic Mountaineeing Course certificate from the National Institute of Mountaineeing and Adventure Sportes.this accomplishment was marked by her successful completion of a challenging climb at Gori chen Glacier mountain, reaching on altitutde of approximately 3200 meters.



- In compution between 1560 cadets in the individual drill category at the Directorate RDC_IGC(republicdayCamp) Selectionscamp heldat Hyderabad from October 16 to 25, Junior Under Officer P. Nikhitha ROLL NUMBER:22475A0504 from NEC College (IV year CSE _D student) secured the Third Position.







- p.GeethaSaiSrivalli(II-Btech_E)has excelledinthe firing event at the IGC-TSC 2024-25, organized by the NCC Directorate of Andra Pradesh and Telangana.Herimpressiveperformanceearnedher a well-deserved silver medal, showcasing her skill and dedication in the completition.





- At the Combined Annual Training Camp IV at the AirForce station-Suryalanka, K.Gandhi Kumari (III- Btech –C 22471A05g0)and G. Kavya (III B-Tech –D 22471A05M4) earned the silver Medal. Their impressive skills and dedication stood out, setting a high standard for their peers.



- At the Combined Annual Training Camp IV held at the Air Force station Suryalanka, B. Velangini Rani(IIIrd B_tech_A 22471A0504) and SK Afreen Neha (IIIrd-BTech_b 22471A05C7) won the gold Medal in the Flag Area event conducted by the 23 Andra Battal - lion NCC. Their top performance highlighted their skill and teamwork in the competition.





- N.Sahithi Reddy (II year CSE_C) Roll Number 23471A05Cl Two National Cadet Crops (NCC) cadetsfromNarasaraopetaEngineer-ingCollegeare set to Represent India at the International Camel Safari Training Camp scheduled to be held in Jaisalmer, Rajasthan from November 14-23.

- YuvaSravani Manepalli Roll Number21471A05H6 has presented the paper titled DeepWaveMRI: Early Alzheimer's Detection authored by SireeshaMoturi, Yuva Sravani Manepalli Venkata Rao-Marella, Priyanka Pulivarthi, Sirisha Gogada, M.MounikaNagaB-havani, in the 6th International Con ference on Communication and Intelligent Systems (ICCIS 2024) held during November 08- 09, 2024.



- P. Ujwla Devi Roll Number 21471A05O3 has presented the paper titled Integrating CNN, LSTM with DenseNet201 for Efficient Real-Time Plant Disease Detection authored by S. N. TirumalaRao, P. Ujwala Devi Venkata Rao Marella, R. Nandini, S.Vasantha, D. Venkata Reddy, in the 6th International Con-ference on Communication and Intelligent Systems (ICCIS 2024) held during November 08-09, 2024.



- Gudipudi Sony Roll Number 21471A05F4 has presented the paper titled Skin Disease Identification authored by Mothe Suneetha, Sireesha Moturi, Sighakolli, S.N.TirumalaRao, Gudipudi Sony, Tummalapenta Vineesha, Gade Salini in the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08-09, 2024.





- Gattu Thanuja Roll Number 21471A0522 has presentedthepaper-titledEnhancingCloudSecurity withDeepLearning–AnANNApproa chforCyber Threat Detection authored by Mothe SatyamReddy, Gattu Thanuja, Bojja Sobharani, Thalapaneni Suma Durga, Dodda Venkata Reddy,Sireesha Moturiin the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08- 09, 2024.

- Teja Sri Vankayala Roll Number 21471A05D3 has presented the paper titled Enhanced Optimized CNN Based Automated Diabetic Retinopathy Detection authored by Sireesha Moturi. Teja Sri Vankayala M.Mounika Naga Bhavani, Eswar Kalyani Karna, Venkayamma Akkapalli, K.VNar-asimha Reddy in the 6th Interna - tional Conference on Communication and Intelligent Systems (ICCIS 2024) held during November 08- 09, 2024.



- Vulleru Swamulu Roll Number 22471D5806(M.Tech) has pre-sented the paper titled Heart Disease: A Comprehensive Evo-lution of Machine Learning Algo-rithmsauthored by Vulluri Swamulu Sireesha Moturi, S .N. TirumalaRaoM. Mounika Naga Bhavani, in the 3rd International Conference on Advances in Data- drivenComputingandIntelligent-Systems(ADCIS 2024) organized by BITS pilani, K K Birla, Goa Campus, India. Technically Sponsored by Soft Computing Research Society during September 20- 21, 2024.



- Sireesha Moturihas presented the paper titled Enhanced Classifica-tion and Detection of Brain Tumer using Hybrid Deep Learning and Machine Learning Models authored by Sireesha Moturi, Divvela Bala Sri Abhigna (21471A0519), Shaik Sameera (21471A0555), Chinnam Harini(21471A0516)in the IInd International Conference on Advanced Computing, Machine Learning ,Robotics and Internet Technologies (AMRIT-2024) organized hybrid mode by the Department of Computer Science & engineering and Department of Electricalengineering, National Institute of Technology Agartala Tripura,during 8- 9,2024.



- Shaik Khaja Mahiddin Bashahas presented the papertitledStroke-DetectionUsingNeuroimagesA Genetic Algorithm-Enhanced Bidirectional LSTM Approach authored by Shaik Khaja Mahid-dinBasha, Katari venkata Siva Rama Krishna(21471A05G5), Manikanta Challa (21471A05H8), Akhil Thaninki(21471A05K3),SyedRazwana,SireeshaMoturiin the IInd International Conference on Advanced Computing,Machine Learning, Robotics and Internet Technologies (AMRIT-2024) organized hybrid mode by the Department of Computer Science & engineering andDepartment of Electrical engineering, National Institute of Technology Agartala Tripura, during 8-9,2024.



- Sannithi Bhavani Roll Number 21471A0552 has presented the paper titled Towads High –Through put Medical Image Analysis with Quantum Image Processing authored by Yamini Chandana, Sannithi Bhavani , Karasala Deepika(21471A0518), Kolla Tejaswini(21471A0530),SureshKundaintheIInd International Conference on Advanced computing, Machine Learning ,Robotics and Internet

Technologies (AMRIT-2024) organized hybrid mode by the Department of Computer Science & engineering andDepartment of Electrical engineering, National Institute of Technology Agartala Tripura, during 8-9,2024.





One of our IV year CSE student P. Nikhitha (IV year CSE_Dstudent) ROLLNUMBER:22475A0504 receives the prestigious Appreciation Certificate from NCC towards commitment, discipline, and leadership qualities. JUO(JuniorunderOfficer) best cadet & II Year CSE –C N. Sahitya Reddy (II year CSE_C) Roll Number 23471A05Cl CPL (corporal) RajasthanYEP(YouthExchangeprogram)fromNCC cadet.

- N Sahithya Reddy (II year CSE) Roll Number 23471A05CINCC cadets of Our NEC College Participated in Camel Safari International Camp at Jaisalmer in Rajasthan successfully completed Camel Riding in Thar Desert on the First day.



- N. Sahitya ReddyII-B-TECH(CSE)International Camp Cadets visited Thanota Matha Temple and Indo-Pak Border



- D. Teja Charan Roll Number 21471A0585 (IV-B- tech) DevelopFeedback Analysis Automation Tool.





- T Bhuvanesh Roll Number 21471A05K4(IV-B-tech) Certificate of Appreciation Developing a ComprehensiveHotel ManegementSystem Under the Guidance of Dr Sireesha M, Faculty of Computer-ScienceandEngineeringyou,alongwith Mr R Gangadhar (21471A0521), have demonstrated exceptional skill and dedication in designing and developing this innovative solution.





- Four Students (V.Jahnavi, CH. Janaki Devi, B.Sannithi,J.SaiPriya, andG.SivaAnjali)of IV B.Tech Selected for KPIT Technologies.



- Best Paper Award Presented to K Suresh Babu,P Mahesh babu(21471A05B0), M Aswini Duth(21471A05A6),GLVPrasad(21471A0589),T Naveen Satya(21471A05D4), Shaik KhajaMahiddinBasha,MSireeshahaveparticipatedin IInd International Conference on Algorithms in Advanced Artificial Intelligence ICAAAI_2024. ForpapertitledWeb-BasedEarlyStrokeDetection: a Machine Learning Approach with Explainable Insights during 4-6 December 2024.





- 3cadets from our NEC College arel eadingWhite Water Rafting camp in Belgam, Karnataka from the 17th of this month our student SK. Naseem (II_Btech.CSE_B)Roll Number 23471A05AQ.





Vision

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

Mission

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

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

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

NEW TRENDS IN TECHNOLOGY:

Quantum Computing:

Quantum computing is a branch of computing that focuses on the development of computer technology based on the notions of quantum theory.It utilizes the power of subatomic particles' unusual capacity to exist in many states, such as 0 and 1 at the same time.In comparison to traditional computers, they can process exponentially more data.Operations in quantum computing utilize an object's quantum state to produce a qubit. Scientists and engineers use supercomputers to solve challenging issues. These are extremely powerful traditional computers with thousands of CPU and GPU cores. Even supercomputers, however, have difficulty solving some problems.

offering opportunities to shape how we interact and create content

in the digital age. Some of the top job roles include:

a Quantum Machine Learning Scientist, It amalgamates quantum computing and machine learning. Professionals belonging to this field develop algorithms that tap into the powers of quantum computers to enhance the capability of machine learning models.

b Quantum physicists, study the very basis of quantum mechanics and extend those concepts to come up with new innovative quantum technology.

C Quantum cryptography scientists, create secure communication systems abiding by the rules of quantum mechanics.

d Quantum network engineers, focus on implementing robustness in quantum communication networks.

FACULTY FOCUS:

Publications / Conferences / FDP:

1 13th IEEE International Conference on Communication Systems and Network Technologies-2024 by Bolla Jhansi Vazram.

2 G.Nagendram was published a Paper Title is Enhancing Breast Cancer Prediction: Leveraging Convolutional Neural Networks,This Paper Results are Published in International Journal For Research in Applied Science and Engineering Technology, Volume 12,Issue VII,July 2024

3 Sk Mohammed Jany got a Completion Certificate for Completing a 1-Day Workshop ,conducted by Office Master on Excel Using AI on 14th July 2024

4 G. Nagendram was awarded Participation certificate from EXCELR for successful completion of 30 hours live training program on DIGITAL MARKETING held from 20th June 2024 to 10th July 2024.

5. Muppalla Ravindra Babu Participated in 10 Hours International Faculty Development Program on AI And Gen AI with Industry Application Between 16 th July to 22nd July 2024.

6. N.B.S.Vijay Kumar awarded course completion certificate in C Programming course from Infosys Spring board on August 12,2024.

7 G. Nagendram garu was awarded Participation certificate from Latest developments in RF technologies in 5G and beyond between 31/07/24 to 6/08/24.

8 U. Vijay Kumar got Academic Excellence Award in recognition of outstanding performance in Natural Language Processing Subject for IT&CSE(AI) Final year Students.

9 NPTEL Online Certification is Awarded to T venkata manohar for successfully Completing the Course on Operating System Fundamentals, held during Jul-Oct 2024.

10. N.B.S.Vijay Kumar awarded course completion certificate in CompTIA Security+: Virtualization, Cloud Computing, & Cloud Cyber security Solutions from Infosys Spring board on August 10,2024.

11. G. Nagendram was awarded Participation certificate from Exploring new frontiers in teaching tools, AI and data analytics between 29/07/24 to 02/08/24.

12 Nagendram was awarded Participation Certificate in a worshop "AI for Students build your own Generative AI Model".

13. P. Neelima got Academic Excellence Award in recognition of outstanding performance in E-Commerce Subject for IT&CSE (AI) Final year Students.

14. Nagendram has attended six days online faculty development program on"Industrial application of Embeded systems and IOT.

15 NPTEL Online Certification is Awarded to U Vijay Kumar for successfully Completing the Course on "Google Cloud Computing Foundations", held during Aug-Oct 2024

16. NPTEL Online Certification is Awarded to B Jhansi Vazaram for successfully Completing the Course on The Joy Of Computing Using Python, held during Jul-Oct 2024.

17 NPTEL Online Certification is Awarded to P Vijaya Lakshmi for successfully Completing the Course on "Cloud Computing", held during Jul-Oct 2024.

18 NPTEL Online Certification is Awarded to P Neelima for successfully Completing the Course on "Cyber Securityand Privacy:, held during Jul-Oct 2024

19 Mohammed Jany Shaik was participated in a One Week Faculty Development Program on "Design Thinking and Innovation", organized by IQAC & Department of Mechanical Engineering ,Narasaraopeta Engineering College in Association with VIT-AP University-Amaravati from 18-06-2024 to 22-06-2024.

20 .Jaya Prakash K was participated in a One Week Faculty Development Program on "Design Thinking and Innovation", organized by IQAC & Department of Mechanical Engineering ,Narasaraopeta Engineering College in Association with VIT-AP University-Amaravati from 18-06-2024 to 22-06-2024.

21. Mule Ramakrishna Reddy was participated in a One Week Faculty Development Program on "Design Thinking and Innovation", organized by IQAC & Department of Mechanical Engineering ,Narasaraopeta Engineering College in Association with VIT-AP University-Amaravati from 18-06-2024 to 22-06-2024.

22 B Veera Brahmam was awarded Participation certificate from "AI Applications in Banking & HealthCare Industry" between 12/12/24 to 18/12/24.

23 Pvijaya Lakshmi was awarded Participation certificate from "AI Applications in Banking & HealthCare Industry" between 12/12/24 to 18/12/24.

24 P Santhi was awarded Participation certificate from "AIApplications in Banking & HealthCare Industry" between 12/12/24 to 18/12/24.

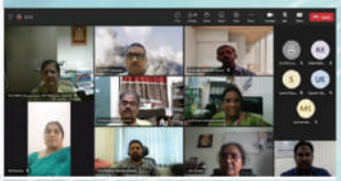
25 A Two Day FDP On "Design Thinking & Innovation" Held During 20-21 Dec 2024, Organized by University College Of Engineering Narasaraopet.

DEPARTMENTAL ACTIVITIES :

Workshops/ Seminars / Industrial visits/ Webinars:

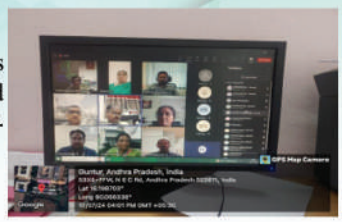
1. Xplore Test-2 was conducted for IV B.TECH I SEM OF IT & CSE (AI) on 01-07-2024.





2 R23 II BOS Meeting was conducted for II B.Tech 1st and 2nd Sem of IT on 10-07-2024.

3 R23 II BOS Meeting Was conducted for II B.Tech 1st and 2nd Sem of CSE(AI) on 11-07-2024.





4 N.B.S.Vijay Kumar awarded course completion certificate in C Programming course from Infosys Spring board on August 12,2024.

5 A Five Day Faculty Development Program on Principles of Machine Learning ,held from 25th to 30th April 2024,organized by Department of CSE,IT,CSE(AI),CSE(AI&ML) in association with IQAC.

6 Our Department organize a "Parent-Teacher Meeting" for IT(all sections) on 23-10-2024





7 Our Department organize a "Parent-Teacher Meeting" for cse(AI) (all sections) on 26-10-2024.



STUDENT FOCUS :

1 Accenture Training was conducted for IV B.Tech I Sem of IT & CSE (AI) from 15-07-2024 to 20-07-2024.



2. Department conducted PPT Presentation and Code Elites contest for IV Btech and III Btech Students on 7/8/24 .





3 IV B.tech-I Semister students that "A 5-Day Workshop on DEVOPS(CI-CD) AUTOMATION" is scheduled during 02/09/24 to 6/09/24 in Tech Hub.





4 Jhansi Vazram (HOD of IT&CSE(AI)) had presented a PPT template of a Smart India Hackthon(SIH) on 04th Sep 2024





5 A 13 DAYS training on "ICT ACADEMY - INFOSYS TRAINING" from 07th-24th Dec 2024.





5 A one day Paper Presentation Contest on "Trending Technologies" at 7th Aug 2024.





6. A One Week Workshop On "FULL STACK WEB DEVELOPMENT USING JAVA" for III year from 25th Sept- 01st Oct 2024.

TRAINING PROGRAMS AND DRIVES:

S.no	Dept.	Year	Training	Duration
1.	IT&CSE(AI)	IV	Accenture Specific Training Phase 2	18th- 31st July 2024.
2	IT&CSE(AI)	IV	Accenture PINCO App & Coding Practice Sessions	18th - 21st Sept
3.	IT&CSE(AI)	IV	Accenture Specific Training Phase 3	23rd-28th Sept 2024
4.	IT&CSE(AI)	II, III	Bytexl CRT Assesments	21st-26th Oct 2024
5.	IT&CSE(AI)	IV	KPIT Company Specific Training	01st-06th NOV 2024.
6.	CSE(AI)	III	Cyber security	02nd -07th Dec 2024.
7.	IT	III	Cyber security	16nd -21st Dec 2024.

STUDENT CERTIFICATIONS/ PARTICIPATIONS IN WORKSHOPS / CONFERENCES/NSS PROGRAMS: CO-CURRICULAR ACTIVITIES:

1 Mr Ch. Maruthi Srinivasa Raju (II B.Tech CSE-AI) won gold & silver medals in Artistic & Traditional Yogasana competitions.





2 Java Full stack Workshop For III B.Tech I Sem of IT Students.



3 The academic audit for our department has been successfully concluded on 25/9/24 for the year of 2023 to 2024.



4 II,III, and IV B tech IT and CSE(AI) Girl Students have attended a meeting i.e," Girls Safety & Grievance Redressal Committee" Conducted by Girl Safety And Grievance Cell

ALUMNI VOICE:



A. Aswini
(20471A1201) -IT
Company: Accenture
Role: Associate Software Engineer
Location: BANGOLORE

1. Hello fellow alumni, reflecting on my time at Narasaraopeta Engineering College brings back fond memories. The rigorous academic curriculum combined with practical learning experiences prepared me well for my career. The strong emphasis on research and innov.ation instilled in me a passion for continuous learning. The bonds formed with classmates and faculty have lasted beyond graduation, creating a valuable network of professionals. Narasaraopeta Engineering College holds a special place in my heart, shaping me into the professional I am today."



P.MohammadAzam
(20471A1246) -IT
Company: Godigit
Role: Software engineer trainee
Location: Hyderabad

2. "Hey there, fellow alumni! Looking back on my journey at Narasaraopeta Engineering College fills me with gratitude and nostalgia. The rigorous coursework, coupled with handson projects, challenged me to think critically and creatively. The diverse student body and supportive faculty fostered a collaborative learning envi ronment, where we could exchange ideas and grow together. Beyond academics, the college offered numerous opportunities for personal and professional development, from internships to industry interactions. As analum, I'm proud to carry the values and skills instilled in me by Narasaraopeta Engineering College into my career and life."

STUDENT VOICE:



N NEELIMA
(21471A1244)
IV B.TECH I SEM –IT.

1."Hi everyone, just wanted to share my experience at Narasaraopeta Engineering College. The campus is equipped with state-of-the-art facilities, including wellequipped labs and a vast library, which has been instrumental in my learning journey. The college also encourages participation in various technical and cultural events, provid ing ample opportunities for holistic development. Moreover, the faculty members are not only experts in their fields but also approachable and supportive. Overall, my time here has been enriching, and I'm grateful to be a part of this institution."



A.B.RAGHURAM
(21471A43302)
C IV B.TECH I SEM
–CSE(AI).

2.Hey everyone, I just wanted to share my thoughts about Narasaraopeta Engineering College. I've been attending classes here for the past year, and I have to say, it's been an amazing experience. The faculty are incredibly knowledgeable and supportive, always willing to go the extra mile to help us succeed. The campus itself is beautiful, with -modern facilities and a vibrant atmosphere. There are also plenty of opportunities for extracurricular activities and personal development. Overall, I'm really glad I chose Narasaraopeta Engineering College for my education, and I highly recommend it to anyone considering studying here."

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AIML)

"Attitude Amplified, Faults Rectified"

Vision

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

Mission

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

STUDENT STRENGTH PARTICULARS

- 2022 Batch (Regular) - 55
- 2023 Batch (Lateral Entry) - 7

FACULTY FOCUS
INTERNATIONAL JOURNALS:

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

FDPS ATTENDED :

- G. JeevanaManikanta has successfully participated & Completed the One week FDP on Machine Learning Algorithms and Exploratory Data Analysis organized by Pantech e Learning Pvt. Ltd dated 8th July 2024 – 13th July 2024.
- K. Mounika& G. V. Neelimadhavi has participated in 10 Hours International FDP on AI and Gen AI with Industry Application organized by MIT Academy of Engineering (MIT AOE) Autonomous - Maharashtra the National Institute of Engineering - MYSORE NEC Autonomous - Andhra Pradesh Matrusri Engineering College Autonomous-Telangana in Collaboration with ExcelREdtech Pvt. Ltd. Date: 16th July to 22nd July 2024.
- J. SyamBabu, D. Sreekanth, G.V.Neelimadhavi, P. Mallika, K. Mounika, Y. Mary Rani are participated in 10 hours International Faculty Development Program on Machine Learning and Artificial Intelligence – Excelr on 12th Aug to 19th Aug 2024.
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❖ One Week Workshop on "Chatbot Quest" Dates: 22-07-2024 to 27-07-2024 for III-I CSE (AIML).



❖ All the III Year I Semester students are hereby informed that the TechnoElite Student Club are hereby informed that our department is going organize a guest lecture on "Career Opportunities and Road Map to become a Data Scientist" by Mr.IkkurthiVenkat, Director, Vconfiger Analytics USA & INDIA.

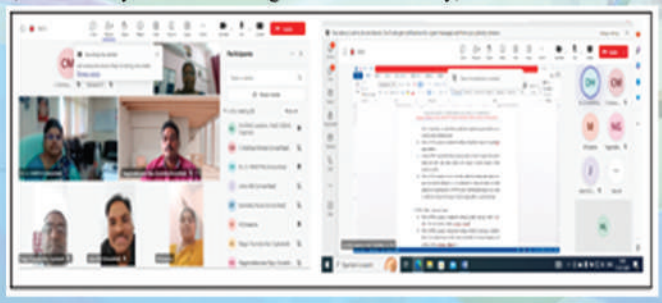




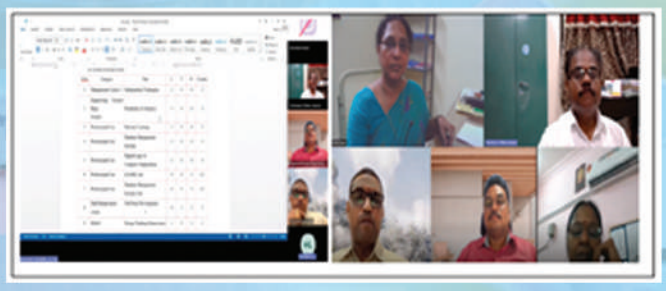
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❖ The department of AIML conducted a BoS meeting for approval of II-I, II-II Year Syllabus of R23 regulations on 5th July, 2024.



❖ CRCMeeting for III-I CSE (AIML) on 21-08-2024



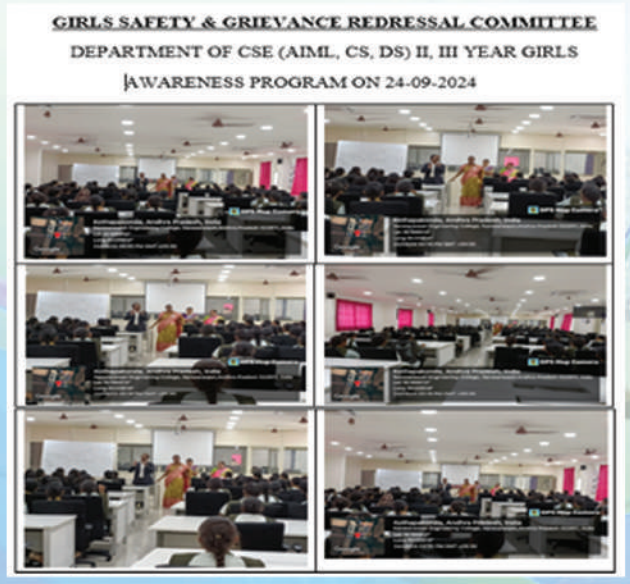
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1. Idea Pitching2. JAM3. Coding Contest
4. Puzzle Solving5. Tech Trivia
6. Technical Seminar7. Photography & Videography





❖ In Our College Girls Safety and Grievance Redressal Committee Awareness Program on 24-09-2024 to 28-09-2024.



STUDENT FOCUS

NPTEL Course Details

Student Details	Title	Course Duration	No.of Students Completed
II-II	The Joy of Computing Python	12 weeks Program	30

EXTRA CIRRCULAR ACTIVITIES

STUDENT ACHIEVEMENTS:-



STUDENT'S VOICE:

As a second 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 MantriYuvaYojana Programs for students to implement their ideas as an entrepreneurs.



22471A4212
J. Richard Mark



DEPARTMENT OF CSECYBER SECURITY



Vision

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

Mission

• To provide allied research and academic resources that support for cyber security professionals.

• To cultivate research-oriented thinking for the design of new security algorithms.

• To collaborate with innovators for solving real world cyber security threats.

STUDENT STRENGTH PARTICULARS

• 2022 Batch (Regular) - 50

• 2023 Batch (Lateral Entry) - 2

FACULTY FOCUS INTERNATIONAL JOURNALS:

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

FDPS ATTENDED:

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- P. Srinivasarao for successfully completing the course Cloud Computing with consolidated score of 61% Jul-Oct 2024. & N. Siva Rama Krishna for successfully completing the course Cloud Computing with consolidated score of 45% Jul-Oct 2024.



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WEBINARS , WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

- One Week Workshop on "Cyber Security Immersion (Tools, Techniques & Ethical Practices)" Dates: 22-07-2024 to 27-07-2024 for III-I CSE (CS).



- All the III Year I Semester students are hereby informed that the TechnoElite Student Club are hereby informed that our department is going organize a guest lecture on "Career Opportunities and Road Map to become a Data Scientist" by Mr.IkkurthiVenkat, Director, Vconfiger Analytics USA & INDIA on 03-07-2024.



- All the III Year I Semester CSE (CS) students are hereby informed that the TechnoElite Student Club is going to organize a guest lecture on "Crafting an Effective Self Introduction" in association with the Training Team. Resource Person: Dr. AnandaOliveti, Training Lead,NEC.



- A Guest Lecture on "Build your first Generative AI Model"Mr Trivikrama, association with AI-Master and IIT Delhi Alumnus (AIR 99) on 19-01-2024 (CS-23)



DEPARTMENT OF CSECYBER SECURITY

- One Day Workshop on "Awareness program on Challenges in Innovation and Entrepreneurship" by Dr.S.V.N.Srinivasu, IIC Convenor organized by Department of CSE (CS). Date: 13-02-2024.



- A Guest Lecture on "Web Penetration Testing" Mrs. V. Lakshmi Prathyusha, Product Security Manager, Bosch Global Software Technologies Pvt.Ltd, Hyderabad on 14-02-2024 (CS-37)



- Bytexl CRT Training for II-II B.Tech CSE-CS inTech Hub. Schedule: 11th to 28thMarch, 2024.



- The department of CSE (CS) conducted a BoS meeting for approval of II-I, II-II Year Syllabus of R23 regulations on 9th July, 2024.



- CRCMeeting for III-I CSE (CS) on 13-08-2024



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6. Technical Seminar7. Photography & Videography













DEPARTMENT OF CSECYBER SECURITY



STUDENT FOCUS
NPTEL Course Details

Student Details	Title	Course Duration	No.of Students Completed
II-II	The Joy of Computing Python	12 weeks Program	28

EXTRA CIRRCULAR ACTIVITIES
STUDENT ACHIEVEMENTS:-



STUDENT'S VOICE:

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22471A4605
B. Jagadeesh



Department of CSE (Data Science)



Vision

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

Mission

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

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

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

STUDENT STRENGTH PARTICULARS

• 2022 Batch (Regular) - 58

• 2023 Batch (Lateral Entry) - 2

FACULTY FOCUS
INTERNATIONAL JOURNALS:

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

FDPS ATTENDED:

❖ G. JeevanaManikanta has successfully participated & Completed the One week FDP on Machine Learning Algorithms and Exploratory Data Analysis organized by Pantech e Learning Pvt. Ltd dated 8th July 2024 – 13th July 2024.

❖ K. Mounika& G. V. Neelimadhavi has participated in 10 Hours International FDP on AI and Gen AI with Industry Application organized by MIT Academy of Engineering (MIT AOE) Autonomous - Maharashtra the National Institute of Engineering - MYSORE NEC Autonomous - Andhra Pradesh Matrusri Engineering College Autonomous-Telangana in Collaboration with ExcelREdtech Pvt. Ltd. Date: 16th July to 22nd July 2024.

❖ J. SyamBabu, D. Sreekanth, G.V.Neelimadhavi, P. Mallika, K. Mounika, Y. Mary Rani are participated in 10 hours International Faculty Development Program on Machine Learning and Artificial Intelligence – Excelr on 12th Aug to 19th Aug 2024.

❖ P. Srinivasarao, N. Siva Rama Krishna, D. Sreekanth, J. SyamBabu, G. JeevanaManikanta, A. Veema Rao, P. Mallika, G. V. NeeliMadhavi, Y. Mary Rani & Ch. Padma are participated in the One Week International Faculty Development Programme on Cutting-Edge Technologies in Computer Science during 23-09-2024 to 29-09-2024.

❖ P. Mallika, M. Revathi& Ch. Padma Participated in 5 days International Faculty Development Program on Project Excellence Guide: Digital Marketing organized by MLR Institute of Technology, Dundigal – Hyderabad in Collaboration with ExcelREdtech Pvt. Ltd. Date: 21st Oct to 25th Oct 2024.

❖ Y. Mary Rani, G. V. NeeliMadhavi& M. SaiYaswanth has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 11-11-2024 to 15-11-2024.

❖ Y. Mary Rani, J. SyamBabu, G.V.NeeliMadhavi, P. Mallika are Participated in 5 Days Faculty Development Program on Cloud Architect Jointly organized by Vardhaman Engineering College, Shamshabad – Hyderabad in Collaboration with ExcelREdtech Pvt. Ltd. Date: 18st Nov to 22nd Nov 2024.

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

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

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

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

❖ G.V.NeeliMadhavi, J. SyamBabu, P. Mallika, M. Revathi& K. Mounika has Participated in Faculty Development Program on AI Applications in Banking and Healthcare Industryorganized by K.J. Somaiya Institute of Technology Sion, Mumbai - Maharashtra KLE Technological Universityin Collaboration with ExcelREdtech Pvt. Ltd. from 12th Dec to 18th Dec 2024.

FACULTY ACHIEVEMENT:

❖ Dr. V. V. A. S. Lakshmi, G. Mahesh Babu, G. Nageswara Rao, P. Srinivasarao, N. Siva Rama Krishna & D. Srikanth has presented a paper entitled in the 7th International Conference on Soft Computing and Signal Processing (ICSCSP-2024) organized by Malla Reddy College of Engineering & Technology, Hyderabad.

❖ Ch. Padma for successfully completing the course Data Structures and Algorithms using Java & Programming using Java on July 8, 2024.

❖ P. Mallika for successfully completing the course Software Engineering and Agile software development on July 10, 2024.

❖ P. Mallika for successfully completing the course Introduction to Agile methodology on July 16, 2024.

❖ P. Mallika for successfully completing the course Continuous Integration and Delivery - DevOps on July 20, 2024.

❖ G. V. Neelimadhavi for successfully completing the course Introduction to Python on July 16, 2024.

❖ G. JeevanaManikanta, J. SyamBabu for completing the workshop on "Knimbus User Awareness Training Session" Organized by NEC on 4th July 2024.

❖ G. Mahesh Babu& J. SyamBabu has undergone Innovation Ambassador (IA) training 'Foundation Level' (Total 16 Sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell & AICTE during the IIC calendar year on 26th July 2024.

❖ G. JeevanaManikanta has successfully participated & Completed the One week FDP on Machine Learning Algorithms and Exploratory Data Analysis organized by Pantech e Learning Pvt. Ltd dated 8th July 2024 – 13th July 2024.

❖ N. Siva Rama Krishna for successfully completing the Artificial Intelligence Foundation Certification on July 27, 2024.

❖ G. V. Neelimadhavi& K. Mounika has participated in 10 Hours International FDP on AI and Gen AI with Industry Application organized by MIT Academy of Engineering (MIT AOE) Autonomous in Collaboration with ExcelREdtech Pvt. Ltd. Date: 16th July to 22nd July 2024.

Department of CSE (Data Science)

- Dr. V.V.A.S. Lakshmi, Professor & HoD, Department of CSE (AIML), NEC in recognition of the review contributed to the "Springer 7th International Conference on Intelligent Computing and Communication ICICC-2024" during 30th& 31st August, 2024.
- J. SyamBabu, D. Sreekanth, G.V.Neelimadhavi, P. Mallika, K. Mounika, Y. Mary Rani are participated in 10 hours International Faculty Development Program on Machine Learning and Artificial Intelligence – Excelr on 12th Aug to 19th Aug 2024.
- G. Mahesh Babu for successfully completing the course Introduction to Machine Learning with a consolidated score of 54% (Jul-Sep 2024)- NPTEL



- G. V. NeeliMadhavi for successfully completing the course Python for Data Science with a consolidated score of 69% (Jul-Aug 2024)- NPTEL



- G. V. NeeliMadhavi for successfully completing the course Python for Data Science with a consolidated score of 69% (Jul-Aug 2024)- NPTEL



- M. Yaswanth for successfully completing the course Introduction to Internet of Things with a consolidated score of 72% (Jan-Apr 2024)- NPTEL



- P. Srinivasarao, N. Siva Rama Krishna, D. Sreekanth, J. SyamBabu, G. JeevanaManikanta, A. Veema Rao, P. Mallika, G. V. NeeliMadhavi, Y. Mary Rani & Ch. Padma are participated in the One Week International Faculty Development Programme on Cutting-Edge Technologies in Computer Science during 23-09-2024 to 29-09-2024.
- P. Mallika, M. Revathi& Ch. Padma Participated in 5 days International Faculty Development Program on Project Excellence Guide: Digital Marketing organized by MLR Institute of Technology, Dundigal – Hyderabad in Collaboration with ExcelREdtech Pvt. Ltd. Date: 21st Oct to 25th Oct 2024.
- Dr. N. Ravi Babu for successfully completing the course Engineering Mathematics – I with consolidated score of 70% Jul-Oct2024.



G. Nageswara Rao for successfully completing the course Operating System Fundamentals with consolidated score of 53% Jul-Oct2024 & P. Srinivasa Rao for successfully completing the course Operating System Fundamentals with consolidated score of 54% Jul-Oct2024





- Y. Mary Rani, G. V. NeeliMadhavi& M. SaiYaswanth has successfully completed the 5-day Faculty Development Program on Building Web Development Solutions with Cloud Computing under the Next Gen Employability Program from 11-11-2024 to 15-11-2024.
- J. SyamBabu For successful completion of 30 hours Live Training Program on Project Excellence: Mastering your minor and major Projects with Real-World Case StudiesHeld From 16th Oct 2024 to 8th Nov 2024.
- G. Nageswara Rao for successfully completing the courseBasics of Python&Programming Fundamentals using Python - Part 1on November 14, 2024.
- J. SyamBabu for successfully completing the course Programming in Java with consolidated score of 49% Jul-Oct 2024. & Ch. Padma for successfully completing the course Programming in Java with consolidated score of 53% Jul-Oct 2024.



- P. Srinivasarao for successfully completing the course Cloud Computing with consolidated score of 61% Jul-Oct 2024. & N. Siva Rama Krishna for successfully completing the course Cloud Computing with consolidated score of 45% Jul-Oct 2024.



- Y. Mary Rani, J. SyamBabu, G.V.NeeliMadhavi, P. Mallika are Participated in 5 Days Faculty Development Program on Cloud Architect Jointly organized by Vardhaman Engineering College, Shamshabad – Hyderabad in Collaboration with ExcelREdtech Pvt. Ltd. Date: 18st Nov to 22nd Nov 2024.
- G. JeevanaManikanta for successfully completing the course Programming Fundamentals using Python - Part 1 on December 13, 2024. & G. JeevanaManikanta for successfully completing the course Programming Fundamentals using Python - Part II on December 19, 2024.
- G.V.Neelimadhavi for successfully completing the course Programming Fundamentals using Python - Part 1 on December 14, 2024.
- P. MallikaAssistant Professor, NEC, has attended the Faculty Development Programme on"AI Tools and Techniques for Research" organized by the Departmentof Business Administration & IQAC, Andhra Loyola College,from 9th to 13th December, 2024.
- P. Mallika& J. SyamBabuhas successfully completed the 5-day Faculty Development Program onBuilding Web Development Solutions with Cloud Computingunder the Next Gen Employability Programfrom 09-12-2024 to 13-12-2024.

Department of CSE (Data Science)

- Dr. V.V.A.S.Lakshmi, P. SrinivasaRao, M. SaiYaswanth, P.V.Sateesh Kumar, G. Mahesh Babu and G. JeevanaManikanta Assistant Professor of NEC has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Revolutionizing Learning Hands on with Generative AI AND LLMS at SVR Engineering College from 09/12/2024 to 14/12/2024.
- P. SrinivasaRaoAssistant Professor of NEC has successfully participated &completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Cutting-Edge Insights into Artificial Intelligenceand Its Applications at EASWARI ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.
- G.V.NeeliMadhavi, J. SyamBabu, P. Mallika, M. Revathi& K. Mounika has Participated in Faculty Development Program on AI Applications in Banking and Healthcare Industry organized by K.J. Somaiya Institute of Technology Sion, Mumbai - Maharashtra KLE Technological University in Collaboration with ExcelREdtech Pvt. Ltd. from 12th Dec to 18th Dec 2024.

WEBINARS , WORKSHOPS / TRAINIGS PROGRAMS / OTHERS CONDUCTED

- One Week Workshop on "Data Story Tellers – Craft Your BI Narrative" Dates: 22-07-2024 to 27-07-2024 for III-I CSE (DS).



- All the III Year I Semester students are hereby informed that the TechnoElite Student Club are hereby informed that our department is going organize a guest lecture on "Career Opportunities and Road Map to become a Data Scientist" by Mr.IkkurthiVenkat, Director, Vconfiger Analytics USA & INDIA on 03-07-2024.





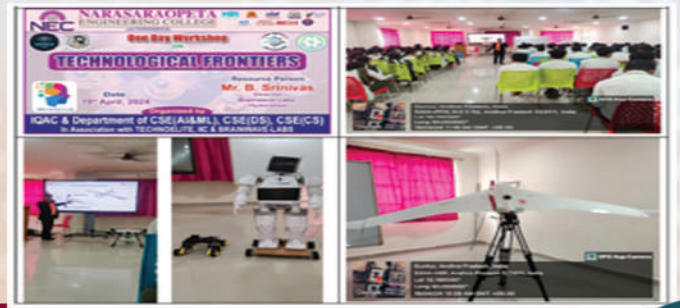
- All the III Year I Semester CSE (DS) students are hereby informed that the TechnoElite Student Club is going to organize a guest lecture on "Crafting an Effective Self Introduction" in association with the Training Team. Resource Person: Dr. AnandaOliveti, Training Lead,NEC.



- The department of CSE (DS) conducted a BoS meeting for approval of II-I, II-II Year Syllabus of R23 regulations on 8th July, 2024.

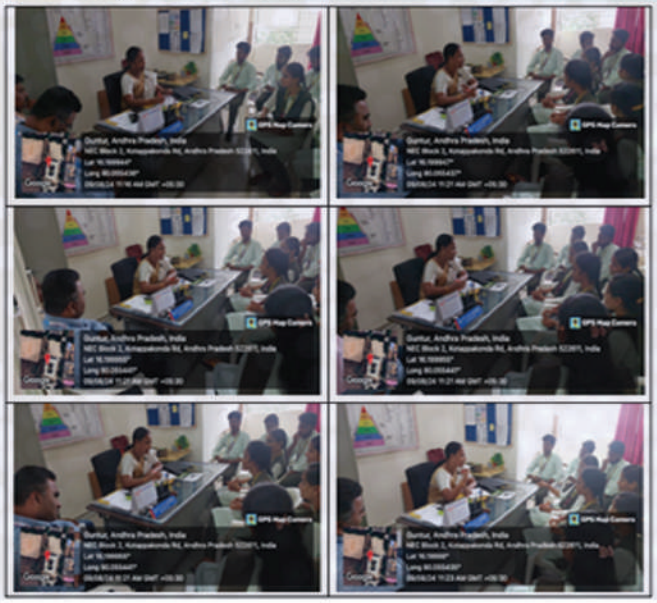


- One Day Workshop on "Technological Frontiers" for CSE - AIML, DS & CS on 19-04-2024.



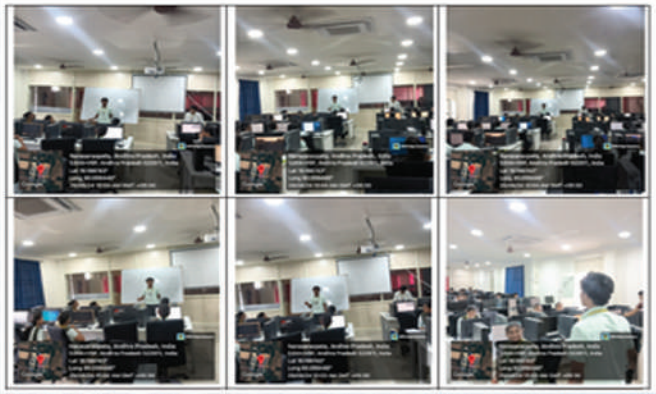
Department of CSE (Data Science)

❖ CRC Meeting for III-I CSE (DS) on 09-08-2024.



Awareness on Smart India Hackathon (SIH) - 2024

By Shanmukha Nanda (22471A4458) in Association with TehnoElite Student Club.



❖ All the II, III and IV students are hereby informed that our department in association with TechnoElite and ISTE is going to organize the following events on the eve of Engineers' day on 12th Sep & 13th Sep 2024. The details of various events are;

1 Idea Pitching
2 JAM
3 Coding Contest
4 Puzzle Solving
5 Tech Trivia
6 Technical Seminar
7 Photography & Videography





STUDENT FOCUS

NPTEL Course Details

Student Details	Title	Course Duration	No. of Students Completed
II-II	The Joy of Computing Python	12 weeks Program	30



Department of CSE (Data Science)



EXTRA CIRRCULAR ACTIVITIES
STUDENT ACHIEVEMENTS:-







STUDENT'S VOICE:

As a second 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.

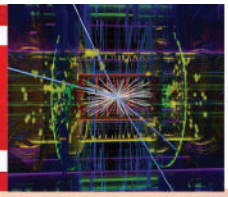


22471A4432
M.Ch. Dedeepya



DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Communication Empowers



New Trends in Technology

The AI Revolution: Navigating the Future

The transformative potential of Artificial Intelligence (AI) is undeniable. From revolutionizing healthcare with personalized treatments and accelerating scientific breakthroughs to automating mundane tasks and enhancing our daily lives with personalized recommendations, AI promises a future of unprecedented efficiency and innovation. However, this potential hinges on our ability to navigate the inherent challenges responsibly.

Firstly, the ethical implications of AI cannot be ignored. Issues such as algorithmic bias, privacy violations, and the potential for job displacement require careful consideration and proactive mitigation strategies. Ensuring fairness, transparency, and accountability in AI development is paramount to avoid exacerbating existing social inequalities and minimizing unintended consequences.

Secondly, the safety and security of AI systems are of utmost importance. As AI systems become increasingly complex and autonomous, it is crucial to develop robust safety mechanisms and safeguards to prevent unintended harm. This includes rigorous testing, robust governance frameworks, and ongoing research into AI safety best practices.

Finally, fostering open dialogue and collaboration between researchers, policymakers, and the public is essential. Ethical discussions and public engagement are crucial to ensure that AI is developed and deployed in a manner that aligns with human values and societal goals. By prioritizing human-centered AI, we can harness its transformative power for the betterment of humanity, creating a future where AI serves as a powerful tool for progress and positive change.

FACULTY FOCUS

Department of B.S&H conducted a two-day International Virtual conference on "Perspectives from Basic Sciences and Humanities" on 19th& 20th July 2024.Dr. NiazovaGulnorakhonGulyamovna from Tashkent State University of Languages And Literature, Uzebikistan and Dr. SarbaniBenerjee from IIT Roorkee were the resource persons for English subject. Dr.A.Naseer Ahmed, University of Technology and applied sciences, Nizwa, Sultanate of Oman and Dr. P. Durga Prasad, Vellore Institute of Technology, Chennai Campus, Chennai, were the resource persons for Maths subject. Dr.S.Chand Rakesh Roshan , RGUKT(IIIT) Basara and Dr. D.Sanjeev Kumar , Govt. College (A), Rajahmundry were the resource persons for Physics Subject. Dr.R. Venkat Nadh , GITAM University, Bangalore and Dr.Venureddy, SRKR Engineering College, Bhimavaram were the resource persons for Chemistry Subject.

A tremendous response came to this conference. More than 250 participants from different parts of the globe presented their presentations The co-ordination among the staff members and the administrative talent of the H.O.D of B.S&H made this program a grand success.

1. Dr. K. Ponnari Lakshmi, Professor and H.O.D. of B.S.&H.participated in an International Conference on 26th and 27th July 2024 organized by ISEL .

2. Dr.V.Aruna, Assoc.Professor of English, participated in a webinar on "Doing Literature review in Qualitative Research" organized by ELTAI on 28th July.

3. Dr.V.Aruna, Assoc.Professor of English, participated in a webinar on "The Power of Visual Narratives an introduction to Graphic Novels " organized by Vignan University on 13th July 2024.

4. Dr. K. Ponnari Lakshmi, Professor and H.O.D. of B.S.&H.participated in one -week FDP on Application of Literary theories in contemporary society organized by VignanUniversity,Vadlamudi , from 5th to 10th October 2024.

5. Dr.V.Aruna, Assoc.Professor of English, Published an article entited "Exploratory study on the paradigm shift in the Education system with technology Assisted ELT." In a Scopus journal in the month of October.

6. Dr.V.Aruna, Assoc.Professor of English, participated in a virtual workshop on "Reading across cultures south Asian literature (in English and Translation)" organized by the literature special interest group , English Language Teachers Association In India (ELTAI) from 27th Sep to 5th oct, 2024.

7. Dr.V.Aruna, Assoc.Professor of English, participated in a webinar on "Integrating the 6 Qs: Transforming Teaching with Activity Based Learning " organized by ELTAI on 22nd Sep 2024.

8. Dr.V.Aruna, Assoc.Professor of English, participated in an International FDP on "Working with Emotional Intelligence and Life Skills Management " organized by Bapatla Engineering College from 2nd Dec 2024 to 6th Dec 2024.

9. Dr.V.Aruna, Assoc.Professor of English, participated in one week FDP, on "Empowering Educators to Elevate Employability Skills " from 16th Dec 2024 to 21st Dec 2024 organized by the Freshmen Engineering Department in collaboration with IQAC at LakireddyBalireddy College of Engineering, Mylavaram, A.P.

10. Dr.G.R.K.Murthy, Asst. Professor of English was awarded Ph.D in the month of December from SGB AmaravatiUniversity, Maharashtra. Sri.M.V.KoteswaraoGaru, Chairman, SriM.SChakravarthy Garu Vice Chairman, Sri. M.Ramesh Garu, Secretary, Dr.S. Venkateswarulu Garu Principal, Narasaraopeta Engineering College, congratulated him on his successes.

11. Dr. G.R.K. Murthy Asst.Professor of English participated in an International FDP on "Working with Emotional Intelligence and Life Skills Management" organized by Bapatla Engineering College from 2nd Dec 2024 to 6th Dec 2024.

12. Dr. G.R.K. Murthy Asst.Professor of English participated in one-week FDP, on "Empowering Educators to Elevate Employability Skills" from 16th Dec 2024 to 21st Dec 2024 organized by the Freshmen Engineering Department in collaboration with IQAC at LakireddyBalireddy College of Engineering, Mylavaram, A.P.

13. Dr.SK.Rafi. Asst. Professor of English, participated in an International FDP on "Working with Emotional Intelligence and Life Skills Management" organized by Bapatla Engineering College from 2nd Dec 2024 to 6th Dec 2024.

14. Dr.SK.Rafi. Asst. Professor of English, participated in one-week FDP, on "Empowering Educators to Elevate Employability Skills" from 16th Dec 2024 to 21st Dec 2024 organized by the Freshmen Engineering Department in collaboration with IQAC at LakireddyBalireddy College of Engineering, Mylavaram, A.P.

15. Dr.SK.Rafi. Asst. Professor of English, published a paper entitled "Addressing Gender and feminism in kamala Bhasin's understanding gender", forum Linguistic studies 2024.

16. Mr.S. Riyaz Asst.Professor of English participated in an International FDP on "Working with Emotional Intelligence and Life Skills Management" organized by Bapatla Engineering College from 2nd Dec 2024 to 6th Dec 2024.

17. Mr. S. RiyazAsst.Professor of English participated in one-week FDP, on "Empowering Educators to Elevate Employability Skills" from 16th Dec 2024 to 21st Dec 2024 organized by the Freshmen Engineering Department in collaboration with IQAC at LakireddyBalireddy College of Engineering, Mylavaram, A.P.

18. Mr.M. PoornachadraRao, Asst.Prof. of English participated in an International FDP on "Working with Emotional Intelligence and Life Skills Management" organized by Bapatla Engineering College from 2nd Dec 2024 to 6th Dec 2024.

19. Mr.M. PoornachadraRao, Asst.Prof. of English participated in one week FDP, on "Empowering Educators to Elevate Employability Skills" from 16th Dec 2024 to 21st Dec 2024 organized by the Freshmen Engineering Department in collaboration with IQAC at LakireddyBalireddy College of Engineering, Mylavaram, A.P.

20. Dr. S.K.Mohiddin Shaw, Professor of mathematics has participated in an International conference on "Advances in Physical Sciences and Materials" organized by Kangeyam, Tamilnadu, on 29th and 30th august 2024.

21. Dr. S.K.Mohiddin Shaw, Professor of mathematics has participated in one-weekFDP, on "Essential Mathematics for Machine Learning, Deep Learning and Cyber Security" organized by SRM University, Chennai, from 18th oct 2024 to 25th oct 2024.

22. Dr. S.K.Mohiddin Shaw, Professor of mathematics has participated in

23. Dr. G. Dharmaiah, Assoc.Prof. of Mathematics participated in one-week international FDP on Numerical Computation and Dynamical systems from 22nd July to 26th July 2024, organized by Anurag University Hyderabad.
24. Dr.G. Dharmaiah, Assoc.Prof. of Mathematics, published a paper entitled "Numerical performance of Hall, Current and Darcy – Forchheimer influences on dissipative Newtonian fluid flow over a thinner surface, case studies in thermal engineering", volume-60, 2024.
25. Dr.G.Dharmaiah, Assoc.Prof. of Mathematics ,Published a paper entitled " Dynamics of non-NewtonianCasson Fluid and Cattaneo- Christov heat flux impacts on rotating non uniform surface due to Coriolis force : A Compression study of ANFIS- PSO and ANN results in Engineering, volume – 23 ,2024."
26. Dr.G.Dharmaiah, Assoc.Prof. of Mathematics ,Published a paper entitled " Influence of Activation of energy in study state hydro dynamic non Newtonian nano fluid with mobile microorganisms, results in Chemistry."
27. Dr.G.Dharmaiah, Assoc.Prof. of Mathematics ,Published a paper entitled " An Exploration of diffusion thermo and radiation absorption impacts on non-Newtonian MHD flow toward-s two distinct geometries with biot number results in Engineering vol:23, 2024".
28. Dr.G.Dharmaiah, Assoc.Prof. of Mathematics ,Published a paper entitled "Investigating the thermal efficiency of Al2O3-Cu-CuO-cobalt with engine oil tetra-hybrid nanofluid with motile gyrotactic microorganisms under suction and injection scenarios: response surface optimization, NANO: Brief ReportsandRevies (2024)2450041(12 pages)c World Scientific Publication company".
29. Dr.G.Dharmaiah, Assoc.Prof. of Mathematics ,Published a paper entitled "Melting flow analyzation of radiative Riga Plate two phase Nano-Fluid across non flatness plane with has been published in frontiers in heat and mass transfer vol:22 , Nov 2024".
30. Dr.G.Dharmaiah, Assoc.Prof. of Mathematics, Published a paper entitled "The Influence of a non-uniform heat source sink and joule heating on the convective motion of a micro polar fluid in a chemically radiative MHD medium across a stretched sheet, power engineering, 2024".
31. Dr. R.Mohana Ramana, Asst.Prof. Of Mathematics, Published a paper entitled "Numerical performance of Hall, Current and Darcy – Forchheimer influences on dissipative Newtonian fluid flow over a thinner surface, case studies in thermal engineering", volume-60, 2024.
32. Dr. R.Mohana Ramana, Asst.Prof. Of Mathematics, Published a paper entitled with "Numerical analysis of Three dimensional Magneto hybridized nano fluid Al2O3-Cu-H2O radiative stretchable rotating flow with suction", Vol.2024.
33. Dr. R.Mohana Ramana, Asst.Prof. Of Mathematics,Published a paperentitled with "Comparative Study of Chemically Reacted Nano fluids SWCNT, MWCNT with Modeling of Cattaneo-Christov Heat Fluxes", October 2024.
34. Dr. R.Mohana Ramana, Asst.Prof. Of Mathematics, Published a paper entitled with Numerical investigation of 3-D rotating hybrid nano fluid Forchheimer flow with radiation absorption over a stretching sheet, Results in Engineering, Volume 22,2024.
35. Dr. R.Mohana Ramana, Asst.Prof. Of Mathematics, Participated in Two-day International webinar on Non-Linear Analysis and Mathematical Applications from 5th July -6th July 2024.Organized by Mathematical Research Center, SITAM, New Delhi.
36. Dr.Ch.Maheswari Asst.Prof of Mathematics Published a paper entitled with "Comparative numerical study between MHD Forchheimer nano and Hybrid nano fluid flows over stretching sheet under aligned magnetic field in the presence of radiation absorption" International journal of modeling and simulation,2024.
37. Dr.N.RavibabuAsst.ofMathematics participated in International conference on "Advanced Trends in Computational Engineering mathematics", from 9th -13th July 2024. Organized by K.L. University, Guntur.
38. Dr.N.RavibabuAsst.of Mathematics participated in International conference on "Advanced in Physical Sciences and Materials" from 29th July -29th Aug 2024. Organized by Kangeyam, Tamilnadu.
39. Miss.Sd.Roshini Banu Asst.Prof of Mathematics Participated in an International Conferences on Perspectives from Basic sciences and Humanities, Organized by NEC, Narasaraopet, From 19th -20th July 2024.
40. Mrs.Ch. Revathi Asst.Prof of Mathematics Participated in an International Conferences on Perspectives from Basic sciences and Humanities, Organized by NEC, Narasaraopet, From 19th -20th July 2024.
41. Mr.K.Harischandra Prasad Asst.Prof of Mathematics Participated in an International Conferences on Perspectives from Basic sciences and Humanities, Organized by NEC, Narasaraopet, From 19th -20th July 2024.
42. Mr.SK.Nazeer Asst.Prof of Chemistry Participated in an International Conferences on Perspectives from Basic sciences and Humanities, Organized by NEC, Narasaraopet, From 19th -20th July 2024.
43. Mr.G. Naga Raju Asst.Prof of Mathematics Participated in an International Conferences on Perspectives from Basic sciences and Humanities, Organized by NEC, Narasaraopet, From 19th -20th July 2024.



DEPARTMENT OF MBA



Manager - He, who do things right

Vision

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

Mission

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

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

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

New Trend

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

Faculty Focus

Publications/Conferences/FDP

1. Dr.M. Aravind for successfully completing the course security analysis and portfolio management in NPTEL online certification courses.

2. Sd Salma The role of women empowerment in public and private sector banks in Andhra Pradesh : a comparative study of SBI and ICICI banks Oct/Dec -2024 JME ISSN 2229-5348 volume 18 no-4 (1)

3.Dr.P. Pattabhiram ,Prevalence of occupational Stress among Healthcare Professionals of Tier-II Cities in India Jul-Dec 2024 Library Progress International-Vol.44 No. 3,

4. Sd SalmaRole Of Privatization On The Quality Of Higher Education 7th Nov 2024Lulu Publication ISBN: 978-1-304-23241-0

5. Dr.P.Pattabhi Ram has participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

6. Dr.Y.Ankireddyhas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

7. Dr.G.Anil Kumar has participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP

8. Dr.M.Aravindhas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

9.T. Mallikarjunaraohas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

10.D.V. Nageswarraohas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

11.Salma.Syedhas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

12.D.SathishBabuhas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

13. K.Anil Kumar has participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

14. T.Swathihas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

15. N.UshaDeepaSundarihas participated in the AICTE Recognized faculty Development programme on PLANNING, EXECUTION EVALUATION OF PROJECT WORK curriculum Development centre department from 9/09/24 to 13/09/24 at Narasaraopeta engineering college, Narasaraopet, AP.

16.Syed salmahas participated in the international FDP organised by the faculty of management & commerce in association with centre if Excellence – centre for sustainability and business – PES UNIVERSITY – Benguluru- INDIA.

17.D.satishbabu has participated in the international FDP organised by the faculty of management & commerce in association with centre if Excellence – centre for sustainability and business – PES UNIVERSITY – Benguluru- INDIA.

18.N.ushadeepasundarihas participated in the international FDP organised by the faculty of management & commerce in association with centre if Excellence – centre for sustainability and business – PES UNIVERSITY – Benguluru- INDIA.

19.T. Swathi has participated in the international FDP organised by the faculty of management & commerce in association with centre if Excellence – centre for sustainability and business – PES UNIVERSITY – Benguluru- INDIA.

20.Syed salma has participated Five days online workshop on foundation of stock market for beginners organised by STAR INTERNATIONAL FOUNDATION FOR RESEARCH ANDEDUCATION.

21.D.SatishBabu has participated Five days online workshop on foundation of stock market for beginners organised by STAR INTERNATIONAL FOUNDATION FOR RESEARCH AND EDUCATION.

22.N.UshaDeepasundari has participated Five days online workshop on foundation of stock market for beginners organised by STAR INTERNATIONAL FOUNDATION FOR RESEARCH AND EDUCATION.

23.Dr.P.Patabhi Ram, has participated in 5 day`s online international faculty development program on ' SUPPLY CHAIN RESILIENCE IN INDIA' organised by K.L.U.

24.Dr.G.Anil Kumar,has participated in 5 day`s online international faculty development program on ' SUPPLY CHAIN RESILIENCE IN INDIA' organised by K.L.U.

25.D.SatishBabu,has participated in 5 day`s online international faculty development program on ' SUPPLYCHAIN RESILIENCE IN INDIA' organised by K.L.U.

26.N.UshaDeepaSundari,has participated in 5 day`s online international faculty development program on ' SUPPLY CHAIN RESILIENCE IN INDIA' organised by K.L.U.

27. Salma Syedhas participated in 5 day`s online international faculty development program on ' SUPPLY CHAIN RESILIENCE IN INDIA' organised by K.L.U.

28. T.Swathi has participated in 5 day`s online international faculty development program on ' SUPPLY CHAIN RESILIENCE IN INDIA' organised by K.L.U.

29.Dr.Y.Ankireddy stock market index prediction based on market trend using LSTM.

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30. Dr.P. Pattabhi ram has participated FDP on OBE& NEP 2020 organised by PBR VISVODAYA INSTITUTE OF TECHONOLOGY & SCIENCE.

31. Dr.P. Pattabhi ram has participated FDP on international Financial Reporting standards organized by K.L.U.

32.Syed Salma has attended national webinar on ENTREPRENEURSHIP DEVELOPMENT IN FOOD PROCESSING AND VALUE ADDITION organized by the department of home science.

33. Dr.P.Pattabhi ram has presented a paper on UNDERSTANDING CONSUMER BEHAVIOUR IN RETAIL SECTOR USING RFM SEGMENTATION AND MACHINE LEARING 15-08-2024 EUROPEAN ECONOMIC LETTERS ISSN 2323-5233 VOL 14,ISSUE3(2024)

34. Syed salma,D.satishbabu, N.ushadeepasundari, T.swathi are participating in the management Development Program on managing self on 14th august 2024 conducted RGCMS MUMBAI.

35.Dr.P.Pattabhiram, Dr .M.Aravind, Dr .Y.Ankireddy, Dr .G. Anil Kumar, T.Mallikarjunarao, Salma Syed, D.SathishBabu, N UshaDeepaSundari, M.RajeshBabu, T.Swathi, J.Rajesh&D.VenkataNageswara Rao are life member of international institute of organized Research(I20R) w.e.f.july 2024.

36.Dr.M.ARAVIND has presented a paper entitled "PREDICTION OF DISTINCTIVE HUMAN BEHAVIOURAL ACTIVITY USING PIFP AND BIG DATA METHODS " organised by MALLA REDDY COLLEGE OF ENGINEERING& TECHNOLOGY

37.Dr.K.ANIL KUMAR has presented a paper entitled " THE AUGMENTATION OF SOCIAL MEDIA AND ITS NOTABLE IMPACT ON SENTIMENT RESEARCH REVIEW SYSTEMS FOR PUBLIC MOVIE THEATRES USING DEEP LEARING organised by MALLA REDDY COLLEGE OF ENGINEERING& TECHNOLOGY.

38.D.SATISH BABU. D.USHA DEEPA SUNDARI. S.SALMA are participated in 3 days national workshop on innovation and intellectual property rights for MSME IN K.L U GUNTUR A.P 11 TH -13 JULY.

Departmental Activities
Workshops/Seminars/Industrial visits/Webinars

1.MBA Department celebrated HUMAN RIGHTS DAY with guest of honour P.CHAKRA PANI Senior Advocate NRT, on 10-12-2024.



2. MBA Dept Celebrated Constitution Day with guest of HonourSmtT.Amulya Advocate Notary NRT,on26-11-2024.





2. MBA Dept Celebrated Constitution Day with guest of HonourSmtT. Amulya Advocate Notary NRT, on26-11-2024.

4. One week work shop on financial education on Indian securities market during 15th -20th November 2024 by resource person Dr.V. Naredra (NISM)





5.Industrial visit to KCP Ltd Macherla MBA II year students 16th Nov 2024.



6. MBA Department conducted Teacher - Parent meeting for II MBA students on 26-10-2024.

Student Focus

1. Sk.Salma ,V.Ganesh,P.Akhilbabu II MBAE.Lokesh , B.Divyacharana I MBA Students are participated and won the prizes in DISTRIC LEVEL NEHRU YUVA KENDRA 2024 ORGANIZED BY NIPS.





2. Jasmine II MBA student and M. TarakI MBA student are won the 1st place in the market makers & 1st in photo graphic respectively event in the national level management fest at Vignan University Guntur.

3.The college organised world space week -2024on 7 th to 9 thOctober in association with Indianspace researchorganization(ISRO). SkMahaboobSubhani MBA I year G.AmareshII MBA are participated and Won 3rd and 2nd Place in Written Quiz competition.



4. MBA 2ND YEAR STUDENTS S. Rakesh, SK. Jasmine, P.Akhilbabu, V.Kavithaare participated in a national level student techno –management fest of KHIT college fest. They got 2nd prize in market makers. SAMKALP 2024 – 27&28th September.



CRT Training &Placements:



1. CRT Training program conducted for II MBA Students by CH. Vijay Topic is Interviews skills

2. An Awareness program on 'career Guidance' by K.RAMANA REDDY SAP SR DELIVERY MANAGER ON 1l/9//24.



Curricular & Co-Curricular activities (Sports)

1.MBA Dept organized the event of Business Plan for I& II MBA students on 03-12-2024.

2.MBA Dept organized the event of Market Makers for IIMBA student on 26-11-2024.





The following students are IISemacademic toppers in their respective classes.



Student Focus

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



M.Mahesh
(2022-24 Batch
H.T.No: 2247lE0024

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.

MBA ISem
H.T.No:2447lE0004

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Technology is teaching us to be human again

Vision

- To shape the MCA Department into a hub of globally renowned Software Professionals and Entrepreneurs.

Mission

- Foster innovation and creativity through the adoption of cutting-edge software technologies.
- Cultivate industry-ready competencies by integrating practical and theoretical knowledge.
- Promote collaborative research and continuous learning for academic and professional excellence.

New Trends in Technology

Artificial Intelligence (AI) :



AI is transforming industries by automating tasks, enhancing decision-making, and enabling innovations like autonomous vehicles and voice assistants. It leverages machine learning algorithms to analyze data and predict outcomes, making it a cornerstone of modern technology.

Blockchain Technology:



Blockchain ensures secure and decentralized transactions, revolutionizing industries like finance, supply chain, and healthcare. Its transparency and immutability are pivotal for modern applications like cryptocurrencies and smart contracts.

Internet of Things (IoT):



IoT connects physical devices to the internet, enabling real-time data exchange and smart automation. Applications include smart homes, wearable health monitors, and industrial automation, reshaping the way we interact with technology.

Quantum Computing:



Quantum computing leverages the principles of quantum mechanics to solve problems far beyond the reach of classical computers. It holds promise for breakthroughs in cryptography, optimization, and complex simulations.

Augmented Reality (AR):



AR overlays digital elements onto the real world, enhancing user experiences in fields like gaming, education, and healthcare. Applications range from virtual try-ons in retail to immersive training simulations.

5G Technology:



5G offers ultra-fast internet speeds and low latency, revolutionizing communication, enabling real-time streaming, and accelerating advancements in autonomous vehicles and IoT.

Cybersecurity:



With the rise of digital threats, cybersecurity ensures data protection through advanced encryption, threat detection, and risk mitigation strategies, safeguarding both individuals and organizations.

STUDENT FOCUS

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

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





Training Details:

Duration & Content: The CRT classes span across several weeks and include specialized modules on soft skills, aptitude, technical knowledge, and interviewpreparation.





Focus Areas:

- Aptitude and Logical
- Reasoning
- Programming and Technical Skills
- Group Discussions
- Mock Interviews
- Personality Development
- Resume Building
- Communication Skills



- **Outcome:** We are proud to share that all the students who participated in the CRT program have successfully completed their training and have been placed in reputed companies. This achievement reflects the high quality of our training programs and the dedication of both our students and trainers.



Placement Highlights:



- Students have secured positions in renowned companies across various industries, including IT, software development, consulting, and more.
- The CRT program not only equipped the students with the necessary skills but also boosted their confidence, preparing them to excel in real-world job interviews.
- Successful placements include positions in leading companies such as [insert company names], where our graduates are now contributing as software developers, analysts, and in other roles.
- **Looking Ahead:** The success of our CRT program has reinforced our commitment to providing high-quality education and career development opportunities for our MCA students. We will continue to conduct such training programs to ensure that our students are well-prepared for their professional careers.
- **We are Conducting CRT Classes for I MCA Students**



- The success of our CRT program has reinforced our commitment to providing high-quality education and career development opportunities for our MCA students. We will continue to conduct such training programs to ensure that our students are well-prepared for their professional careers.





World Space Day



- The successfully Participated World Space Day, celebrating humanity's achievements in space exploration and technology. The event featured engaging sessions on the latest advancements in space science and innovations.



- classes for II MCA students, focusing on building essential skills to enhance their employability. The training covers the basics of aptitude, reasoning, technical knowledge, and soft skills.
- This initiative aims to provide a strong foundation, preparing students for competitive job opportunities in top companies.



World Space Day

- The successfully Participated World Space Day, celebrating humanity's achievements in space exploration and technology. The event featured engaging sessions on the latest advancements in space science and innovations. Students and faculty members participated in interactive discussions, showcasing their enthusiasm for space exploration. The program aimed to inspire curiosity and foster a deeper understanding of space research's impact on society. This initiative reflects the department's commitment to promoting scientific knowledge and global awareness.







S.NO	ROLL NO	NAME OF THE STUDENT
1	2347 1F0041	NANDYALA GOWTHAMI
2	2347 1F0044	PATHAN SHAMEEM.
3	2347 1F00B4	SHAIK SHARMILA SHAHIN
4	2347 1F0038	MUVVA RAJESH BABU
5	2347 1F0036	MUNDRU KRISHNA PRASAD

JNTU KHO-KHO WOMEN'S TOURNAMENT:

- The JNTU Kho-Kho Women's team successfully participated in the tournament, showcasing exceptional skills and teamwork. The students demonstrated remarkable dedication and performance throughout the competition. Their hard work paid off as they were selected for the next level of the competition. This achievement highlights their commitment to excellence and sportsmanship. The team's success is a proud moment for the institution and reflects the growing talent and spirit of JNTU students



List of Student Participated:

ROLL NO	NAME OF THE STUDENT
23471F0082	MURARISETTY MANJUSHA
23471F0041	NANDYALA GOWTHAMI

VINAYAKA IDOLS COMPETITION

The Vinayaka Idols competition saw enthusiastic participation from our students, who showcased their creativity and craftsmanship. The students put in remarkable effort in designing and crafting beautiful idols. Their hard work and dedication were rewarded as they won prizes in the competition. This achievement highlights their artistic talents and commitment to cultural traditions. The success in this event is a proud moment for both the students and the institution.




BLOOD DONATION CAMP

Our students successfully participated in the Blood Donation Camp, demonstrating their commitment to social responsibility and community welfare. Their generous contributions will help save lives and support those in need. This initiative reflects the spirit of giving and compassion within our student community.



ENGINEERS DAY



On Engineer's Day, our students actively participated in a seminar, showcasing their knowledge and innovative ideas. Their insightful presentations and engaging discussions earned them recognition and prizes. This achievement highlights their creativity, technical expertise and dedication to the field of engineering. The event not only celebrated the contributions of engineers but also provided our students with a platform to demonstrate their skills and passion. It was a proud moment for both the students and the institution.

List of Student Participated:

ROLL NO	NAME OF THE STUDENT
23471F0035	MUKKALA THIRUPATAMMA
23471F0041	NANDYALA GOWTHAMI

Faculty Focus FDP'S

1. B. N. V. Udaya Lakshmi

- Outcome Based Assignment in Psychomotor and Affective
- Domain in NEP Context
- Venue: Narasaraopeta Engineering College
- Date: 23/09/2024 to 27/09/2024
- Organized by: NITTTR, Bhopal
- AI and Gen AI with Industry Applications
- Venue: Online
- Date: 16/07/2024 to 22/07/2024
- Organized by: EXCELR
- Venue: Online
- Date: 18/11/2024 to 22/11/2024
- Organized by: EXCELR
- Introduction to Internet of Things
- Venue: Online
- Date: Jul-2024 to Oct-2024
- Organized by: NPTEL
- Recent Trends in AI &IoT - Industry Perspective
- Venue: Narasaraopeta Engineering College
- Date: 25/11/2024 to 30/11/2024
- Organized by: PeriyarManiammai Institute of Science & Technology

2. N. Yoga Chandan.

- Outcome Based Assignment in Psychomotor and Affec tive Domain in NEP Context
- Venue: Narasaraopeta Engineering College
- Date: 23/09/2024 to 27/09/2024
- Organized by: NITTTR, Bhopal
- Cloud Architect
- Venue: Online
- Date: 18/11/2024 to 22/11/2024
- Organized by: EXCELR
- Introduction to Internet of Things
- Venue: Online
- Date: Jul-2024 to Oct-2024
- Organized by: NPTEL
- Recent Trends in AI &IoT - Industry Perspective
- Venue: Narasaraopeta Engineering College
- Date: 25/11/2024 to 30/11/2024
- Organized by: PeriyarManiammai Institute of Science & Technology

3 D. Lakshmi Dheeraja.

- Outcome Based Assignment in Psychomotor and Affec tive Domain in NEP Context
- Venue: Narasaraopeta Engineering College
- Date: 23/09/2024 to 27/09/2024
- Organized by: NITTTR, Bhopal
- Cloud Architect
- Venue: Online
- Date: 18/11/2024 to 22/11/2024
- Organized by: EXCELR
- Recent Trends in AI &IoT - Industry Perspective
- Venue: Narasaraopeta Engineering College
- Date: 25/11/2024 to 30/11/2024
- Organized by: PeriyarManiammai Institute of Science & Technology

4. A. ArunaKumari.

- Outcome Based Assignment in Psychomotor and Affec tive Domain in NEP Context
- Venue: Narasaraopeta Engineering College
- Date: 23/09/2024 to 27/09/2024
- Organized by: NITTTR, Bhopal
- Gen-AI and Prompt Engineering Using Microsoft Co-Pilot
- Venue: Online
- Date: 16/09/2024 to 20/09/2024
- Organized by: EXCELR

• Machine Learning and Artificial Intelligence
o Venue: Online
o Date: 12/08/2024 to 19/09/2024
o Organized by: EXCELR
• Cloud Architect
o Venue: Online
o Date: 18/11/2024 to 22/11/2024
o Organized by: EXCELR
• Recent Trends in AI &IoT - Industry Perspective
o Venue: Narasaraopeta Engineering College
o Date: 25/11/2024 to 30/11/2024
o Organized by: PeriyarManiammai Institute of Science & Technology

5. Dr. K. LakshmiNadh.

• Outcome Based Assignment in Psychomotor and Affective Domain in NEP Context
o Venue: Narasaraopeta Engineering College
o Date: 23/09/2024 to 27/09/2024
o Organized by: NITTTR, Bhopal
• Software Conceptual Design
o Venue: Online
o Date: Aug-2024 to Sept-2024
o Organized by: NPTEL
• Recent Trends in AI &IoT - Industry Perspective
o Venue: Narasaraopeta Engineering College
o Date: 25/11/2024 to 30/11/2024
o Organized by: PeriyarManiammai Institute of Science & Technology

6. Sd. J. Saida.

• Outcome Based Assignment in Psychomotor and Affective Domain in NEP Context
o Venue: Narasaraopeta Engineering College
o Date: 23/09/2024 to 27/09/2024
o Organized by: NITTTR, Bhopal

7. G. Ravi PurnachandraRao.

• Outcome Based Assignment in Psychomotor and Affective Domain in NEP Context
o Venue: Narasaraopeta Engineering College
o Date: 23/09/2024 to 27/09/2024
o Organized by: NITTTR, Bhopal
• Recent Trends in AI &IoT - Industry Perspective
o Venue: Narasaraopeta Engineering College
o Date: 25/11/2024 to 30/11/2024
o Organized by: PeriyarManiammai Institute of Science & Technology

8. G. Sai Krishna.

• Outcome Based Assignment in Psychomotor and Affective Domain in NEP Context
o Venue: Narasaraopeta Engineering College
o Date: 23/09/2024 to 27/09/2024
o Organized by: NITTTR, Bhopal
• Machine Learning and Artificial Intelligence
o Venue: Online
o Date: 12/08/2024 to 19/09/2024
o Organized by: EXCELR
• AI and Gen AI with Industry Applications
o Venue: Online
o Date: 16/07/2024 to 22/07/2024
o Organized by: EXCELR
• Introduction to Internet of Things
o Venue: Online
o Date: Jul-2024 to Oct-2024
o Organized by: NPTEL
• Recent Trends in AI &IoT - Industry Perspective
o Venue: Narasaraopeta Engineering College
o Date: 25/11/2024 to 30/11/2024
o Organized by: PeriyarManiammai Institute of Science & Technology

9. V. Mahesh Babu.

• Alignment of Corporate and National Objectives
o Venue: Online
o Date: 09/12/2024 to 14/12/2024
o Organized by: KL Education Foundation

10. A. Paparao.

• Cloud Architect
o Venue: Online
o Date: 18/11/2024 to 22/11/2024
o Organized by: EXCELR
• Recent Trends in AI &IoT - Industry Perspective
o Venue: Narasaraopeta Engineering College
o Date: 25/11/2024 to 30/11/2024
o Organized by: PeriyarManiammai Institute of Science & Technology

11. M. Yaswanth.

• Outcome Based Assignment in Psychomotor and Affective Domain in NEP Context
o Venue: Narasaraopeta Engineering College
o Date: 23/09/2024 to 27/09/2024
o Organized by: NITTTR, Bhopal

The MCA Department Successfully Organized a Parent-Teacher Meeting



The Parent-Teacher Meeting (PTM) organized by the MCA department was a resounding success. During this meeting, each parent had the opportunity to interact with the Head of Department (HOD), which left them feeling reassured and positive. The HOD took the time to personally connect with each parent, offering them respect and understanding, which helped build a stronger rapport between the faculty and the parents.



The meeting provided a platform for open communication, allowing the parents to ask questions, voice concerns, and receive valuable feedback about their children's academic progress and overall well-being.

The HOD's approach was both respectful and empathetic, which made the parents feel heard and valued.





For the students, the PTM was a source of hope and motivation. It gave them a clearer sense of their academic goals, and the positive interaction between the parents and the HOD further encouraged them to perform better. The parents left with a sense of clarity about their children's progress and development, while the students were inspired to continue working hard towards their goals.

Overall, the event was a wonderful opportunity for parents and teachers to align on the educational journey of the students, fostering a stronger partnership between the two for the benefit of the students' future success.

INTERNATIONAL ANTI CORRUPTION DAY 2024

The MCA Department successfully conducted the International Anti-Corruption Day 2024, raising awareness about the global issue of corruption. The event featured insightful discussions, presentations, and activities aimed at promoting transparency and integrity. Students and faculty members actively participated, showcasing their commitment to fostering a corruption-free society. The program emphasized the importance of ethical behaviour in both personal and professional lives. This initiative reflects the department's dedication to social responsibility and global awareness.





Toppers from I MCA I Semester (2023 Batch)



Toppers from I MCA II Semester (2023 Batch)



ALUMNI VOICE



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

STUDENT VOICE



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

The MCA Department Successfully Organized a Parent-Teacher Meeting



The Parent-Teacher Meeting (PTM) organized by the MCA department was a resounding success. During this meeting, each parent had the opportunity to interact with the Head of Department (HOD), which left them feeling reassured and positive. The HOD took the time to personally connect with each parent, offering them respect and understanding, which helped build a stronger rapport between the faculty and the parents.



The meeting provided a platform for open communication, allowing the parents to ask questions, voice concerns, and receive valuable feedback about their children's academic progress and overall well-being.

TRAINING AND PLACEMENT CELL

We Train, You Excell

Vision

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

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

Mission

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

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

SNO	COMPANY NAME	DATE	SELECTS	REMARKS	SALARY In Lakhs/annum
1	KPIT	07-11-2024	5	Results	4.5
2	ITC	07-12-2024	12	Results	3
3	Inrhythm	22-11-2024	1	Results	3.5
4	Deloitte	18-11-2024	1	Results	4
5	QSPIDERS	02-12-2024	108	Results	3
6	SAVANTIS SOLUTIONS	24-09-2024	114	Results	3

KPIT



DELOITTE



ITC

INRHYTHM





College Events

Orientation day on 10-08-24



Graduation Day On 10-8-24





ISRO Conducted World Space Week Event in NEC on 7-10-24



College Events







