Dear Readers

Staff members are a great strength for any thrived or thriving institution because they play a significant role in the development of the students as well as institution. Dr. Raju Kolluri, Professor, Department of ECE was given an award for his outstanding dedication and exemplary service as a IEEE branch counselor at IEEE Guntur Zonal Section Congress, UDGMA 2023. Certificate of appreciation was given on 29.09.2023 in a Programme organized by VVIT, Guntur.

IBM skill build, faculty BUILDATHON award was given to Dr.A.V.Nageswara Rao Associate Professor, Department of ECE.

Dr. Y. Jaipal Reddy, Mr. P. Bhagya Raju and Mrs. G. Rajavali were given "Academic Excellence Award" on the occasion of Teacher's day 2023 celebrations organized by NARASARAOPETA ENGINEERING COLLEGE.

Department of Mechanical Engineering completed NBA visit from 08.09.2022 to 10.09.2023 and got succeed in achieving it.

Department of Mechanical Engineering organized 2days workshop on "Simulation of Basic Aerodynamics for RC plane design" from 06.10.2023 to 07.10.2023

Dr. Yagya Datta Dwivedi, Associate Professor & Deputy Head IARE Institute of Aeronatical Engineering, Hyderabad, was the Resource Person.

NEC Faculty are always busy like Bees.

Department of EEE organized a Two week Practical Training Programme on "Simulation of Power Electronics Applications using MATLAB" in association with Power Integrated Solutions, Trichy from 14.11.2023 to 26.11.2023

Department of EEE organized a Guest Lecture on "Emerging Trends in Electrical Engineering" on 14.12.2023. Sri Madan Mohan Konukuntla, Managing Director, HIEE, Hyderabad, was the Resource Person.

The Department of CSE (CS) organized a workshop on AWS Cloud computing in association with APSSDC from 31.02.2023 to 05.08.2023.

"Vruksho Rakshiti Rakshithaha" if we protect the trees they also protect us.

The NSS unit of our college planted the saplings at Village Secretariate, Yallamanda Village.

Vote is powerful than a bullet in democracy. NSS unit of our college organized Voter Registration Process with coordination of RDO Office, Narasaraopet on 12.07.2023

NEC always stresses the need of alround development. Along with studies co-curricular activities are given importance.

National Sports Day was celebrated on 29.08.2023 Sri K.V.Mahesh, DSP Narasaraopet was the Chief Guest. Like this NEC is moving forward with so many achievements.

----Editor

## Principal's Desk

It is a matter of great pride and satisfaction to bring out the News Letter, 'NEWS WAVES' released for the period July-December 2023. 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.

The college always believes that the staff members are the greatest strength to the institution. It has been proved with Dr. Raju Kolluri, Professor, Department of ECE was given an award for his outstanding dedication and exemplary service as IEEE branch counsellor at IEEE Guntur zonal section Congress, UDGMA 2023. IBM skill build, faculty BUILDATHON Award was given to Dr. A.V. Nageswarao Assoc. Professor, Department of ECE.

The greatest achievement of this college is Department of Mechanical Engineering has completed NBA visit from 08-09-2023 to 10-09-2023 and got succeeded in achieving it. It is another feather in the cap of NEC. Thank you very much each and every one who works hard for achieving this success.

NEC always stresses the need of Students all-round development.

**Dr. M. Sreenivasa Kumar, Principal**

National Sports Day was conducted on 29-08-2023. Sri K.V. Mahesh DSP Narsaraopeta was the chief guest. Thank you everyone for making success of this event.

I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task.

-- Dr.M.Sreenivasa Kumar, 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.



NBA Team Visit to NEC
@ 08-09-2023

# 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

It is not just the off-site work which is experiencing changes and new ways of doing things. New technology and techniques are making their way to the construction site as well.

The scope of prefabrication has increased tremendously in the last decade. Especially with the time saved by using BIM during the conception and detailing phase of a project, the various stakeholders ideate over the material alternatives and scope of prefabrication in the project.

### Machine Interventions - Reducing the 'workload'

The use of machines such as robots and exoskeletons is another emerging trend in civil engineering. Not only do they resolve mundane tasks with ease, but they also help increase safety and autonomy on-site during construction.

Exoskeletons are 'suits' worn by construction workers on site, to help and/or improve their mobility and workability. Using exoskeletons prevents injuries caused by manually handling things and from hand-arm vibration. Comparatively, Robots completely remove the need for the involvement of workers in certain tasks. Robots are helpful in automating highly repetitive tasks like brick-laying and tying rebar.

### Faculty Focus

- Mrs. A.Lakshmi Prasanna completed NPTEL Course in Subsurface Exploration with Elite Status in July-September 2023.
- Mrs. A.Lakshmi Prasanna completed NPTEL Course in Research methodology with Elite Status in August- October 2023.

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

- Mrs. A.Lakshmi Prasanna completed FDP Course in Subsurface Exploration with Elite Status in July-September 2023.
- Mrs. A.Lakshmi Prasanna completed FDP Course in Research methodology with Elite Status in August- October 2023.
- Mr.K.Jeya Vignesh attended one week FDP on "Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.
- Mr.M.N.S.Sambasiva Rao attended one week FDP on "Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.
- Mr.N.M.Subhani attended one week FDP on "Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.
- Mr.K.Anilkumar attended one week FDP on Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.from 2nd May 2023 to 06th May 2023 organized by Department of Civil Engineering, J D College of Engineering & Management, Nagpur.
- Mrs.A.L.Prasanna attended one week FDP on "Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.
- Mrs.K.Yamuna attended one week FDP on "Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.
- M.Siva Nagamani attended one week FDP on "Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.
- P.Naresh attended one week FDP on "Review on Recent Research in Civil Engineering" RRR-2023 from 10-07-2023 to 15-07-2023 by KHIT, Guntur.
- Mrs.K.Yamuna attended webinar on "A overview of Trends &it's Process on 14-07-2023 by Aditya Institute of Technology.
- Mrs.K.Yamuna attended one day webinar on Soil Investigations for foundation of structures" on 16th August 2023 organized by Chalapathi Institute of Technology.
- Mrs.K.Yamuna attended one day webinar on "Infrastructural Resilience for Disaster RiskReduction" on 27thOctober 2023organized by Presidency University,Bengaluru.
- Mr.M.N.S.Sambasiva Rao attended one day webinar on "Infrastructural Resilience for Disaster Risk Reduction" on 27thOctober 2023 organized by Presidency University, Bengaluru.
- Miss.M.Siva Naga Mani attended one day webinar on "Infrastructural Resilience for Disaster Risk Reduction" on 27thOctober 2023 organized by Presidency University, Bengaluru.
- Mrs.K.Yamuna attended one day webinar on "Artificial Intelligence in Research &amp; Science" on 01st November 2023 organized by CliMed Research Solutions.
- Dr.P.Naga Sowjanyaattended five daysFDP on "outcome based education" organized by Department of Mechanical Engineering in Association with NITTR-Chandigarh from20-11-2023 to 24-11-2023.
- Mr.K.Anilkumar attended five days FDP on "outcome based education" organized by Department of Mechanical Engineering in Association with NITTR-Chandigarh from20-11-2023 to 24-11-2023.
- Mr.K.Jeya Vignesh attended five days FDP on "outcome based education" organized by Department of Mechanical Engineering in Association with NITTR-Chandigarh from20-11-2023 to 24-11-2023.
- Mrs.K.Yamuna attended one day webinar on "Importance of soil and water in achievingsustainable and resilient agri-food systemse" on 15th December 2023 organized by Presidency University.
- Miss M.Siva Naga Mani attended one day webinar on "Importance of soil and water in achieving sustainable and resilient agri-food systemse" on 15th December 2023 organized by Presidency University.

### Student focus

IV, III, II Civil engineering students are actively participated in Painting & Essay writing competitions on 11-8-2023 conducted by NEC on the Event of Independence day.

IV,III,II Civil engineering students are actively participated in Ganesh idol model Preparation Program organized by NEC on theevent of Ganesh Chaturdhi conducted on 15.9.2023



IV, III, II Civil engineering students are actively participated in Smart India Hackathon 2023 on 21-09-2023 to 23-09-2023.



2019-2023 Civil engineering Students attended Graduation day program on 30-09-2023.



Ch.Pujitha (Regd No.19471A0111)achieved the highest academic standing and awarded withGold medal



III year civil Engineering students actively Participated in 33rd National energy conservation day held on 14-12-2023



## Important Activities held in the Department

Civil Engineering Department organized the Engineers day event on the occasion of Sir M.Viseswarayyagaruon his birth Anniversary on 15. 09.2023.



Civil EngineeringDepartment organized Primavera Training for IV B.Tech students from 13th -25th November,2023.



## Industrial Visit

Civil Engineering Department managed aIndustrial visit to ThirdB. Tech Civil Engineering Students to Srisailam project on 22-07- 2023.



Civil Engineering Department managed aIndustrial visit to II B. Tech Lateral entry Civil Engineering Students to Mittapalli Spinners Pvt. Limited  on 06-11- 2023.



## 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.

**P.Govardhan (19471A0144)**
**Graduate Engineer Trainee**
**Amar raja Infra Pvt.Limited, Hyderabad.**

## Student's Voice

I acknowledge that my knowledge has been enriched due to my association with our department. Knowledge transformation programs(Guest lecture, workshops, Industrial Visits& skill development programme) conducted to the students is really helpful to face global competition.
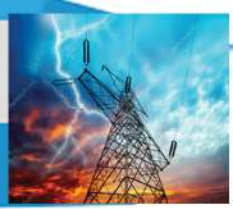
**K.Anuhya, Regd. No.20471A0122, IV B. Tech**

## Vision

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

## Mission

- To provide knowledge-based technology and infrastructure to meet the needs of industry and Society.

- To assimilate innovation and research oriented culture to make successful professionals and entrepreneurs.

- To encourage lifelong learning with ethics among the students so as to make them as responsible individuals

## MODERN TRENDS IN TECHNOLOGY

### Thermoelectric generator (TEG)

It consists of alternating pairs of n-and p-type semiconductors chained together so that the voltage gained from the positive temperature differential in an n-type adds to the voltage gained from the negative temperature differential in a p-type. By connecting a TEG between a hot reservoir and a cold one, the heat differential is captured as electricity. With the ambient environment as a hot reservoir, we can use the coldness from deep space to create the cold reservoir. To do this, we send heat out to space using what we call an emitter, which cools itself to a lower temperature than its surroundings. That's a phenomenon known as radiative cooling. Then, a thermoelectric generator situated between the cold emitter and the now-hotter ambient surroundings can produce electricity. The emitter's job is to radiate the heat out beyond Earth's atmosphere. The most applicable atmospheric transmission band is in the 8- to 13-micrometer-wavelength range. Glass is a great material for an emitter. Its atomic vibrations couple strongly to radiation around the 10-μm wavelength, forcing the material to emit much of its heat radiation within the transmission window.
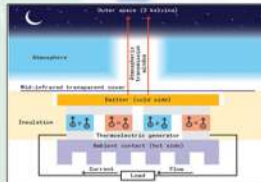
### Supercapacitors

The system application is extremely important when making a comparison between lithium-ion (Li-ion) batteries and supercapacitors. Batteries have 10 to 20 times higher energy density than supercapacitors, while supercapacitors have 10 to 50 times higher power density than batteries. The increased power density and significantly lower internal resistance makes supercapacitors ideal for the short-term, high-power pulses requested in Fast Frequency Response (FFR) applications. With the blue tank representing a battery system, the red bucket representing the supercapacitor system, the volume of water inside the tank/bucket representing the total energy available, and the instantaneous amount of water flow representing power capability. Both the blue tank and red bucket contain the volume and instantaneous water flow capable of extinguishing the fire, but the blue tank is over dimensioned, storing a significantly larger volume of water than necessary to extinguish this type of fire The charge rate of supercapacitors is hundreds of times higher than typical Li-ion batteries. The discharge time of supercapacitors is on the order of seconds to minutes, compared to hours for most Li-ion batteries. Given that the cost per kilowatt increases with higher energy-to-power (E/P) ratios in an energy storage system, supercapacitors offer a significantly better option for an energy storage system with a low E/P ratio, as seen in inertia and FFR applications.

The typical estimated life of a Li-ion battery is about 5–10 years or 500–800 charge cycles, whichever occurs first, whereas supercapacitors can be charged and discharged thousands of times.

## FACULTY FOCUS

### Conferences Attended:

- Mr. Sk.Abdul Kalam has presented a paper entitled "An optimized model for enhancing power density of surface-mounted permanent magnet BLDC Motors" in the 1st National Conference on "Design–Thinking Trans-Disciplinary Challenges & Opportunities" Organized by Andhra University, Vizag on 7th and 8th July-2023 with the proceedings titled "NCDT-2023"[ISBN:978-93-5915-224-0].

- Dr.P.Lakshmanan has presented a paper on "Design and Implementation of Seven-Level Reduced Switch Count Multilevel Inverter for Electric Vehicles Applications" in Power Engineering and Intelligent Systems (PEIS – 2023) on 16-12-2023, vol: 1097,Springer,Singapore.

## FDPS ATTENDED:

- Mr.M.ChandraSekhar attended& certified an UHV-FDP on "Inculcating Universal Human Values in Technical Education" during 12-06-23 to 16-06-23 organized by AICTE,NEW DELHI.

- Mr. Sk.AbdulKalam has successfully completed the 40-hour "Research Methodology" course organized at the Human Resource Development Center, Andhra University, from 14-06-2023 to 29-06-2023.

- Dr.Sk.Md.Shareef has participated in the "Regional Meet" held on 11-12-2023 at Institute of Aeronautical Engineering,Hyderabad.

- The following faculty members are participated & successfully completed AICTE Training & Learning Academy (ATAL) FDP on "Certain Aspects of Electric Vehicles to achieve Sustainable Energy" from 11-12-23 to 16-12-23 organized by VIGNAN'S LARA INSTITUTE OF TECHNOLOGY & SCIENCES.

  1. Dr. SK.MD. Shareef, 2. Mr.P.D.V.S.K.Kishore, 3. Mr Sk. Abdul Kalam, 4. Mr M. Chandra Sekhar, 5. Mr G. Naveen, 6. Mr P. Naganjaneyulu

## WORKSHOPS ATTENDED:

- Mr.Sk.AbdulKalam attended& certified a one weekWorkshop on "Research Oriented Technical Writing (ROTW-2023)" organized by Department of Electrical Engineering, NIT Jamshedpur, Jharkhand, Indigo during 04-07-2023 to 08-07-2023.

- Mr.P.Naganjaneyulu has participated in purse DST supported workshop on "Future of Sustainability-Electric Vehicles & Smart Grid" from 27-07-23 to 29-07-23 organized by Department of Electrical & Electronics Engineering, SRM Institute of Technology & Science, Tamilnadu.

- Dr.P.Lakshmanan has attended & certified a one day Workshop on "NIRF RANKINGS-2024" organized by Andhra Pradesh State Council of Higher Education atJagarlamudi Kuppuswamy Choudary College (JKC), Guntur on 30-11-2023.

### NPTEL Course Details

| Name of the Faculty | Title | Course Duration |
|---|---|---|
| G. Naveen | Developing Soft Skills & Personality | July to Sep, 2023 |
| P. Bramaramba vathi | Developing Soft Skills & Personality | July to Sep, 2023 |

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KNOW WHAT SPARKS THE LIGHT IN YOU. THEN USE THAT LIGHT TO ILLUMINATE THE WORLD.

## Organized Programs:

### PRACTICAL TRAINING PROGRAM

The department of EEE organized A Two Week Practical Training Programme on "SIMULATION OF POWER ELEC-TRONICS APPLICATIONS USING MATLAB" In Association with Power Integrated solutions, Trichy from 14-11-2023 to 26-11-2023.





The Principal Dr. M. Sreenivasa Kumar & HOD of EEE Dr. P. Lakshmanan addressed the students about the importance of Power Electronics Applications Using MATLAB in today's world.

### CAREER ORIENTATION PROGRAM

The department of EEE organized A Career Guidance Program for III Year students on 27-11-2023.





Elewayte & Wipro in collaboration with NEC gave an orientation seminar on career after completion of B.Tech like GATE, IES and other Competitive Exams.

### NATIONAL ENERGY CONSERVATION DAY

The Department of EEE, IQAC, IIC & ENERGY CLUB organized a program on the occasion of "33rd NATIONAL ENERGY CONSERVATION DAY" on 14-12-2023.





The Department of EEE invited as a Chief Guest Sri.Madan Mohan Koukuntla, Managing Director, HIEE, Hyderabad for this program.

On the occasion of "33rd NATIONAL ENERGY CONSERVATION DAY" poster Presentation was conducted on the theme "GO GREEN FOR OUR FUTURE".



## GUEST LECTURE

The Department of EEE organized a Guest Lecture on "EMERGING TRENDS IN ELECTRICAL ENGINEERING" by the Resource Person Sri.Madan Mohan Koukuntla, Managing Director, HIEE, Hyderabadon 14-12-2023.





### MOU's :

MOU is exchanged between Elewayte, Bangalore and Narasaraopeta Engineering College on 28-11-2023 for 5 years.





MOU is exchanged between HIEE, Hyderabad and Narasaraopeta Engineering College on 14-12-2023 for 5 years.

The EEE Department has exchanged MOU with SRC e-solutions, Vijayawada on 15-12-2023 for 5 years.



### Student Focus
### NPTEL Course Details

| Year &Sem | Title | Course Duration | No.of Students Completed |
|---|---|---|---|
| IV-I | Power System Protection and Switchgear | July-Oct, 2023 | 02 |
| | DC Microgrid and Control Systems | July-Oct, 2023 | 01 |
| | Introduction To Internet Of Things | July-Oct, 2023 | 02 |
| | Introduction to operating system | July-Oct, 2023 | 05 |
| III-I | Cloud computing | July-Oct, 2023 | 05 |
| | Power system protection and switchgear | July-Oct, 2023 | 12 |
| | Design, Technology and Innovation | July-Oct, 2023 | 02 |
| | Computer graphics | July-Oct, 2023 | 03 |

### AICTE - PARAKH

From IV B.Tech, I-Sem EEE, 39 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields

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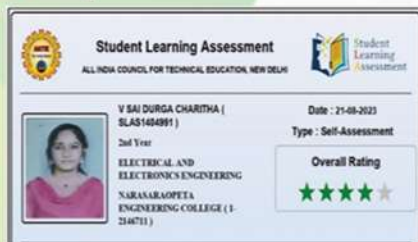
From III B.Tech, I Sem EEE, 39 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.

From II B.Tech, I Sem EEE, 31 Students have attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.



## STUDENT ACHIEVEMENTS:

### INDEPENDENCE DAY CELEBRATIONS

D.NAGANJALI (22475A0222), of III EEE has successfully performed Traditional Yoga on 15-08-2023 behalf of Independence Day Celebrations at college campus.

### VINAYAKA IDOL COMPETITION

P.Narendra Reddy (21475A0213) &K.Hanumanthu (21475A0241) of IV EEE has won Third Prize in the event of Vinayaka Idol Competition organized by Narasaraopeta Engineering College on the occasion of VinayakaChaturthi held on15-09-2023.



### UDGAMA-2023



29 students of EEE department are attended ZONAL STUDENT CONGRESS UDGAMA'23 on Sustainable development goal for Clean and affordable energy 0n 29-09-2023 conducted by VVIT, Nambur, Guntur.

### ANNUALINTERCOLLEGIATE TOURNAMENT

D.NAGANJALI (22475A0222) of III EEE has won the First Prize in the event of YOGA held as a part of Annual Inter Collegiate Tournament organized by Jawaharlal Nehru Technological University, Kakinada on 22-11-2023



### JNTUK CENTRAL ZONE INTER COLLEGIATE TOURNAMENT

N.PavanKumar (22475A0253) of III EEE has won the First Prize in the event of BADMINTON (M) in the JNTUK Central Zone Intercollegiate Tournament cum Selection held at Sir C.R.Reddy College of Engineering, Eluru from 25th & 26th November, 2023.

### 3rd STATE LEVEL YOGASANA CHAMPIONSHIPS- 2023

D.Naganjali(22475A0222), of III EEE has won the Second Prize in the events of TRADITIONAL YOGASANA & ARTISTIC YOGASANA SOLO of age category senior girls organized by YOGASANA SPORTS ASSOCIATION OF ANDHRA PRADESH (YSA AP) held at ACHARYA NAGARJUNA UNIVERSITY,NAMBUR, GUNTUR from 09-12-2023 to 11-12-2023.



### JNTUK-USC-JNTU Kakinada Yoga Teams

D.NAGANJALI (22475A0222), of III EEE has selected to JNTU Kakinada Yoga teams, which will take part in the South West Zone Inter University Yoga tournament to be held at Anna University, Chennai from 01-12-2023 to 04-12-2023.



### ONLINE CERTIFICATIONS

| S.No. | Name of the Course | Organized by | No. of Students |
|-------|--------------------|--------------|-----------------|
| 1 | Basic of Python | INFOSYS | 2 |
| 2 | TCS iON Career Edge-Young Professional | TCS iON | 1 |
| 3 | Embedded Developer Virtual Internship | AICTE | 1 |
| 4 | Python Foundation | INFOSYS | 2 |
| 5 | Programing in Python | KIMO | 1 |
| 6 | Fundamentals of Machine Learning | Microsoft | 1 |
| 7 | Introduction to C | sololearn | 2 |
| 8 | Python(Basic) | HackerRank | 2 |

### ALUMINI INTERACTION:

The Alumni students T. Hemanth Sai (14475A0203),DevopsEngineer (Discover), UK&V.VenkataRajasekhar (14475A0208), Senior Software Engineer, Boscet, Bersalen had delivered A Technical Talk on **"Importance of Java & Python in Software"** to III B.Tech students on **08-12-2023**.

KNOW WHAT SPARKS THE LIGHT IN YOU. THEN USE THAT LIGHT TO ILLUMINATE THE WORLD.

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## Academic Toppers:

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


I – B.Tech I – SEM


II – B.Tech I – SEM


III – B.Tech I – SEM


IV – B.Tech I – SEM

## INDUSTRIAL VISITS:

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

The IV B.Tech students are visited Hydro Power Plant located at Srisailam on 15-07-2023.



The III EEE A & B students visited 765/400 KV Substation Power Grid Corporation of India Ltd., Annavaram Village, Rompicharla Md, Narasaraopet on 17-08-2023 and 18-08-2023.



The II B.Tech students are visited Mittapalli Spinners Ltd., Narasaraopet on 07-11-2023.



## TRAINING PROGRAMS ORGANIZED



TCS Azure & General Training Program is conducted for IV B.Tech EEE Students from 04-08-23 to 19-08-23 organized by Bytexl team.

CRT – Training Program is conducted for III B.Tech EEE Students from 21-08-23 to 05-09-23 organized by Bytexlteam.



CRT – Training Program is conducted for II B.Tech EEE Students from 03-10-23 to 18-10-23 organized by Bytexl team.



CRT – Training Program is conducted for III B.Tech EEE Students from 19-12-23 to 30-12-23



## PLACEMENTS:

J.Premaraju (21475A0203), IV-EEE has selected in Coapps with a package of 4 LPA on 23-11-2023.

21 students of IV-EEE are placed in Thermopads Pvt. Ltd., Hyderabad with a package of 3LPA on 10-12-2023.



B.Bhargav Mahesh (20471A0202),IV-EEE has selected in Accenture with a package of 4.5 LPA on 14-12-2023.

## ALUMNI VOICE:

It is an immense pleasure to say that I was a part of NEC. The facilities are really very kind & approachable when any need arises. Today, I am in good position it's because of what I have leant from NEC. The Professors are dedicated experts & helpful in their respective subjects.


**R. RAMYA**
Trainee Engineer HCL
Batch: 2019-2023

Their experience help us to learn more about industrial relevance of the subjects. There are many co-curricular & extra-curricular activities conducted by the NEC. Finally I would like to thank the entire NEC family for providing such a wonderful educational platform for students from different corners of India.

## STUDENT'S VOICE:

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


**SK. RESHMA**
22471A0234

KNOW WHAT SPARKS THE LIGHT IN YOU. THEN USE THAT LIGHT TO ILLUMINATE THE WORLD.

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## Vision

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

## Mission

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

## MODERN TRENDS IN TECHNOLOGY:
## INDUSTRY 5.0

- Industry 5.0, also known as the Fifth Industrial Revolution, is a new and emerging phase of industrialisation that sees humans working alongside advanced technology and A.I.-powered robots to enhance workplace processes. This is coupled with a more human-centric focus as well as increased resilience and an improved focus on sustainability.
- Encompassing more than just manufacturing, this new phase builds upon the fourth industrial revolution (Industry 4.0) and is enabled by developments in I.T. that include facets such as artificial intelligence, automation, big data analytics, the Internet of Things (IoT), machine learning, robotics, smart systems, and virtualisation.
- Broadening the concepts of Industry 4.0, this new industrial revolution is described by the European Union as providing, "a vision of industry that aims beyond efficiency and productivity as the sole goals, and reinforces the role and the contribution of industry to society."
- This is an important distinction from the approach of Industry 4.0, as described by the EU, since "it places the wellbeing of the worker at the centre of the production process and uses new technologies to provide prosperity beyond jobs and growth while respecting the production limits of the planet."

## Advantages

The main advantage of Industry 5.0 is the creation of higher value jobs that afford greater personalisation for customers and improved design freedom for workers. By allowing manufacturing processes to be handled through automation, human workers are able to focus more of their time on delivering improved, bespoke services and products.

This was already beginning with Industry 4.0, but Industry 5.0 pushes this further through improved automation and feedback to create a service-based model where humans are able to focus on adding value for end-users.

Meanwhile the increased focus on sustainability and resilience means that businesses become more agile and flexible while also having a positive impact on society – rather than simply mitigating any negative effects.

## Disadvantages

It is difficult to see the disadvantages of Industry 5.0, but the challenge will lie in how organisations are able to adapt to embrace this new concept.

Those that are able to become more human-centric, resilient and sustainable will likely spearhead future solutions while those who fail to keep up will fall behind.

To understand this better, it is worth looking in more detail at the strategies of Industry 5.0 – namely a human-centric approach, improved resilience and a broader focus on sustainability.



## FACULTY FOCUS:
## FACULTY PUBLICATIONS: FACULTYACHIEVEMENTS:
### WORKSHOPS/CONFERENCES/ WEBINARS/FDPS/QUIZ/ATTENDED:

- Dr.B.Venkata siva, HOD ME, Ch. Sekhar, Associate professor, and Dr.M. Venkanna babu, Associate professor attended Faculty Development program through online mode on "Introduction to Modelling and simulation", organized by German varsity during 04/07/2023 to 05/07/2023.



- Dr.P.Suresh babu, Associate professor, attended Faculty Development program through online mode on "Advances in Materials and Manufacturing Technologies", organized by Kallam Haranadhareddy Institute Of Technology, Guntur during 26/06/2023 to 30/06/2023.
- Dr.B.Venkata Siva, HOD ME professor, Dr.D.Jagadish professor, Dr.M.Venkanna Babu Associate professor T.Ashok kumar, Assistant professor , and Mr.K.John Babu, Assistant professor are attended Faculty Development program through online mode on "Data Analytics with Cognos", organized by Virtual Buildathon 2023 | IBM X SmartInternz, during 24/07/2023 to 04/08/2023.
- Dr.B.Venkatasiva, HOD ME acted as a Manuscript Peer Reviewer title "Microstructure characterization and hardening evaluation of ferrite/martensitic steels induced by He2+ irradiation", Journal Materials (ISSN 1996-1944) TypeManuscript ID materials-230257
- Dr.M.Sreenivasa Kumar, Principal NEC and Dr.Venkannababu Mendi, Associate Professor, are attended a high-impact industry institute interaction event "ICT Academy Bridge'23" organized by ICT academy on 20/12/2023 at marigold green park Hyderabad.



## FACULTY CERTIFICATIONS:

- Dr.B.Venkata Siva, Professor HOD-ME received Academic Excellence Award for outstanding performance in Mechatronics Subject on Teachers day.



- Dr.P.Suresh babu, Associate Professor received Academic Excellence Award for outstanding performance in Industrial Engineering and Management Subject on teachers day.



- Dr.M.Venkanna babu, Associate Professor received Academic Excellence Award for outstanding performance in Design of machine elements-1 Subject on teachers day.
- D.Raghavendra Assistant Professor received Academic Excellence Award for outstanding performance in Design of machine elements-2 Subject on teachers day.
- K.Kiran chand, Associate Professor received Academic Excellence Award for outstanding performance in Metrology Subject on teachers day.
- T.Ashok kumar, Assistant Professor received Academic Excellence Award for outstanding performance in Kinematics of machinery Subject on teachers day.
- Dr.B.Venkatasiva, HOD ME acted as a Manuscript Peer Reviewer title "Advances in Machine Learning Techniques used in Fatigue Life Prediction of Welded Structures", Journal: Applied Sciences - ISSN 2076-3417 Publisher : MDPI.

Dr.M.Sreenivasa kumar, Principal NEC attended a five days faculty development program on "AI Tools for Educators in line with OBE" in association with All India Council for Technical Education Training And Learning Academy organized by Bapatla Engineering College from 20/11/2023 to 25/11/2023.

Dr.B.Venkatasiva, Professor, HOD ME attended a one day workshop "India Rankings-2024 National Institutional Ranking Framework (NIRF)" QUALITY ASSURANCE CELL ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION (A Statutory Body of the Government of A.P.) In collaboration with Jagarlamudi Kuppuswamy Choudary College (A), Guntur 30/11/2023.



Dr.B.Venkatasiva, Professor, HOD ME completed NPTEL certification on "Accreditation and outcome based learning", with 78% during Aug-Oct 2023.

CH.Sekhar, Associate Professor, completed NPTEL certification on "Accreditation and outcome based learning ", with 78% during Aug-Oct 2023.

K.John babu, Assistant Professor, completed NPTEL certification on "Cloud Computing ", with 60% during July-Oct 2023.

M.Venkaih , Assistant Professor, completed NPTEL certification on "Cloud Computing ", with 55% during July-Oct 2023.

K.Kiran chand, Assistant professor completed NPTEL certification on "Engineering Metrology", with 64% during July-Oct 2023.

Dr.P.Suresh babu, Associate professor completed NPTEL certification on "Introduction to internet of things", with 85% during July-Oct 2023.

## DEPARTMENT ACTIVITIES:

Mechanical staff and students are participated in One day Webinar on "Digital transformation design and manufacturing", in Association Auto desk APSSDC-ARC on 27/06/2023 .





Mechanical Engineering department staff and students are participated in "District Level Yuva Utsav – 2023", organized in our college premises as a part of NSS activityon 05/07/2023.

Department has organized a CSP project review for third and final year students on 01/07/2023, Dr.B.VenkataSiva, Professor HOD-ME, Dr.D.Jagadish, Professor Professor, .M.Venkaiah Assistant Professor , and K. Kiran chand , Assistant Professor , are acted as Reviewers.





Department has organized a One week FDP on "Introduction To Fusion 360 - Generative Design, PCB Design and Cam", in Association with Design Labs, Hyderabad - Autodesk. from 22/07/2023 to 27/07/2023.

Department has organized "A one week workshop on Product Design & Drafting CATIA", for third year students from 14/08/2023 to 19/08/2023. Ms. K.Prasanna Lakshmi, Trainer and Ms.G.Sumohana, Trainer acted as Resource persons.



Dr.B.Venkata siva, HOD ME, K.John babu Associate Professor and final year students attended ASME Workshop on 05/08/2023.



Department has organized "World Entrepreneurs Day 2023", And also done the Inauguration & Poster Release of our Printing Startup Company "CLONOFUSION" in Association with The IQAC & Dept. of Mechanical on 21/08/2023. The Event is Inaugurated by Chief guest of Mr.V.R.Bose Nallapati, Director, Ezimart Retail and Technologies Pvt. Ltd



Department has organized Guest Lecture on "Insight On Certifications & Career Growth On NDT", for final year students from 22/08/2023. Mr. Vidya Sagar,Vidal NDT, Hyderabad acted as Resource person.





Department participated and successfully completed Academic Audit 2022- 2023.

Mechanical Engineering department attended in BOS meeting for R23 regulation syllabus on 20/09/2023.





Mechanical Engineering department students and staff participated in Graduation day program on 30/09/2023. Students below mentioned in the table took medals in Graduation day.

Department has organized Two days workshop on "Simulation Of Basic Aerodynamics for RC Plane Design", for third and final year students from 06/10/2023 to 07/10/2023. Dr.Yagya Dutta Dwivedi, Associate professor & Deputy Head I A R E Institute Of Aeronatical Engineering , Hyderabad Telangana acted as Resource person.



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



Department has organized "CRT Training (Azure +TCS )", for final year students from 04/08/2023 to 19/08/2023T.Vishnu Trainer bytexl Hyderabad acted as Resource person.

Department has organized "CRT Training (Azure +TCS )", for third year students from 21/08/2023 to 05/09/2023. 1.Vamsi, Verbal Trainer ,Bytxel HYD, Raja, soft skills Trainer, Bytxel HYD, Sai kishore , Aptitude Trainer, Bytxel HYD and Roshan, Python Trainer, Bytxel HYD T acted as Resource persons.

The following Students completed TCS Azure Fundamentals and Power Platform (PL900) course

| S.No | TCS Reference Id | Name | Student Roll No | Certificate |
|---|---|---|---|---|
| 1. | DT202343298 41 | SHAIK ADIL | 20471 A0305 | TCS Azure Fundamentals and Power Platform (PL900) |
| 2. | DT202343296 17 | DERANGULA PARDHU GANESH | 20471 A0307 | TCS Azure Fundamentals and Power Platform (PL900) |
| 3. | DT202343320 46 | Katta.Mahe cswar | 20471 a0315 | TCS Azure Fundamentals and Power Platform (PL900) |
| 4. | DT202343294 41 | Polari Krishna chaithanya | 20471 A0333 | TCS Azure Fundamentals and Power Platform (PL900) |
| 5. | DT202343299 09 | POTTEM URTHI PURNAC HANDRA RAO | 20471 A0337 | TCS Azure Fundamentals and Power Platform (PL900) |
| 6. | DT202341059 88 | PRUDHVI DURGA BHARATH CHANDAN | 20471 A0338 | TCS Azure Fundamentals and Power Platform (PL900) |
| 7. | DT202343261 98 | Shaik Manisha | 20471 A0348 | TCS Azure Fundamentals and Power Platform (PL900) |
| 8. | DT202339055 28 | Shaik SADHIK | 20471 A0350 | TCS Azure Fundamentals and Power Platform (PL900) |
| 9. | DT202343343 76 | Veeragandham venkata manikanta | 20471 A0354 | TCS Azure Fundamentals and Power Platform (PL900) |
| 10. | DT202343265 61 | Bandaru Sai Ganesh | 20471 a0359 | TCS Azure Fundamentals and Power Platform (PL900) |
| 11. | DT202343259 39 | Maddineni Ajay | 20471 A0367 | TCS Azure Fundamentals and Power Platform (PL900) |
| 12. | DT202343297 44 | Settam Ranendra Vamshi | 20471 a0371 | TCS Azure Fundamentals and Power Platform (PL900) |
| 13. | DT202343297 94 | SHAIK GUTHIK ONDA SALIM | 20471 A0372 | TCS Azure Fundamentals and Power Platform (PL900) |
| 14. | DT202343308 49 | Kandru Princy | 20471 A0588 | TCS Azure Fundamentals and Power Platform (PL900) |
| 15. | DT202343298 76 | JANAPA REDDI PRASAD | 21475 A0306 | TCS Azure Fundamentals and Power Platform (PL900) |
| 16. | DT202343344 23 | MUNIKO LA SANTHO SH KUMAR | 21475 A0311 | TCS Azure Fundamentals and Power Platform (PL900) |
| 17. | DT202343299 46 | Morapakul a Charan Teja | 21475 A0312 | TCS Azure Fundamentals and Power Platform (PL900) |
| 18. | DT202343298 04 | Goda Sandeep | 21475 A0313 | TCS Azure Fundamentals and Power Platform (PL900) |
| 19. | DT202343298 68 | Shaik mahasubh ani | 21475 A0315 | TCS Azure Fundamentals and Power Platform (PL900) |
| 20. | DT202343298 29 | DAGGUP ATI VENKAT A PRADEE P | 21475 A0316 | TCS Azure Fundamentals and Power Platform (PL900) |
| 21. | DT202343298 28 | Upplapati Naga Surendra chari | 21475 A0317 | TCS Azure Fundamentals and Power Platform (PL900) |
| 22. | DT202343297 72 | NELLURI YASWNT H | 21475 A0320 | TCS Azure Fundamentals and Power Platform (PL900) |
| 23. | DT202343297 82 | BAANAN A PRADEE P KUMAR | 21475 A0322 | TCS Azure Fundamentals and Power Platform (PL900) |
| 24. | DT202343298 18 | DATTI CHANDU | 21475 A0324 | TCS Azure Fundamentals and Power Platform (PL900) |
| 25. | DT202343266 64 | CHATTA VENKAT RAMAIA H | 21475 a0328 | TCS Azure Fundamentals and Power Platform (PL900) |
| 26. | DT202342007 54 | Kshatriya jithendra singh | 21475 A0329 | TCS Azure Fundamentals and Power Platform (PL900) |
| 27. | DT202343303 63 | BOMMA LI BALA SIVA YOGEND RA SAI NANDU | 21475 a0330 | TCS Azure Fundamentals and Power Platform (PL900) |
| 28. | DT202339765 77 | BANDI SRINIVA S | 21475 A0332 | TCS Azure Fundamentals and Power Platform (PL900) |
| 29. | DT202343266 49 | Kuppala srinu | 21475 A0335 | TCS Azure Fundamentals and Power Platform (PL900) |

Eight students from third and final year selected in IBM hackathon challenge held on 28/08/2023.



B.Yugandhar got first prize in painting competition on the occasion of 77th INDEPENDENCE DAY.



Y.H.Meghana got consolation prize in Essay writing competition on the occasion of 77th INDEPENDENCE DAY

B.Yuva raju received a medallion by the Directorate General Appreciated by the college managment in Narasaraopeta Engineering College on the occasion of 77th INDEPENDENCE DAY.



Mechanical Engineering students participated in "Vinayaka Idols Competition", organized by Models And Prototype Club On the occasion of celebration of Ganesh festival on 14/09/2023. Second year students K.Koteswara 22475A0313 and Sk.Masthan vali 22475A0303 got second prize in this competition.

Mechanical Engineering students participated and presented project expo in "Palnadu Yuvaja-notstavalu 2023".



## CO CIRCULAR ACTIVITIES(SPORTS):

Mechanical Engineering Students participated in kabaddi as a part sports day celebrations on 21/08/2023.



Mechanical Engineering Students participated in volley ball as a part of as a part sports day celebrations on 25/08/2023



## NSS ACTIVITIES:

Mechanical Engineering department students are participated in "Voter Identity Card Issue Program", organized in our college premises as a part of NSS activity on 12/07/2023.



Five students from Mechanical Engineering are participated in "Army Attached Camp", at 23(A)Bn chirala officeas a part of NCC activity from 13/07/2023 to 23/07/2023.

Mechanical Engineering department faculty participated in boold sugar check up as a part of NSS activity on the occasion of NSS formation day with Konac Diagnostics on 22/09/2023.



## ALUMNI TALK:



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 21/06/2023, For this program Mr Chintha Ramakoteswararao , Centilion pvt limited, Assistant developer Madhapur, Hyderabad acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career Guidance", on 05/08/2023, For this program Mr Sampath Kumar, Beghou consulting India Pvt Ltd, Software developer , Hyderabad and Mr RaviKumar Khagga, VonExpy Softech , Full Stack Developer are acted as a Resource persons.



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 12/08/2023, For this program Mr S. Chetana Krishna Kumara Software developer , Bengaluru acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career Guidance on Entrepreneurship ", on 26/09/2023, For this program Mr V.Vamsi Krishnam Raju, Director Sapthagiri Flyash bricks Pvt Lmtd acted as a Resource persons.



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 23/12/2023, For this program Mr. Chirumamilla Gopibabu (2014-2018) Batch , Developer, Zilogic systems, Bangalore acted as a Resource person.

Department has organized Guest Lecture on "DESIGN OF GEARS FOR INDUSTRIAL APPLICATIONS", for final year students from 03/11/2023. Mr. D.Srinivasulu, Associate Professor KHIT College of Engineering, Guntur acted as Resource person.

Department has organized Guest Lecture on "ADVANCEMENTS in IC ENGINES", for final year students from 04/11/2023. Mr. Dr.K. Chandra Sekhar Associate Professor QIS College of Engineering, Ongole acted as Resource person.

Department has organized Guest Lecture on "MACHINE LEARNING APPLICATIONS IN DIFFERENT INDUSTRIES", for third year students on 15/11/2023. Mr. A.Janardhanarao, Assistant Professor V.V.I.T College of Engineering, Guntur acted as Resource person.

Department has organized Guest Lecture on "THERMAL ANALYSIS OF HEAT PIPE USING ANSYS", for third year students on 16/11/2023. Mr. K.Srinivasa Reddy, Assistant ProfessorK.H.I.T College of Engineering , Guntur acted as Resource person.

Department has organized Guest Lecture on "AIR CONDITIONING SYSTEM DESIGN AUTOCAD", for third year students on 17/11/2023. Mr. G.Harish, Assistant Professor K.H.I.T College of Engineering, Guntur acted as a Resource person.

Department has organized Guest Lecture on "ADVANCES IN ENGINE TRIBOLOGY", for third year students on 18/11/2023. Mr. K.Chandra Mouli, Assistant Professor J. N.T.U.K College of Engineering, Narasaraopet acted as Resource person.

Department faculty and students attended six days online short term course on workshop on "NEW PRODUCT DEVELOPMENT PROCESS", from 13/11/2023 to 18/11/2023. Organized by APSSDC- DASSAULT SYSTEMS.

Department faculty attended a five days faculty development program on "OUTCOME BASED EDUCATION" in association with NITTTR-Chandigarh from 20/11/2023 to 24/11/2023.

Department faculty attended a one week days faculty development program on "SAR,OBE and NBA" in association with NITTTR-Chandigarh from 04/12/2023 to 08/12/2023.

Department has completed ISO Inspection on 12/12/2023 with external and internal experts K.Kutumbarao, Lead Coordinator, and A.Singaiah, Consultant, Dr.T.Anjaneyulu, ISO Coordinator NEC,.Dr.Y.Lakshman kumar, ISO Coordinator NEC.

MOUs:
STUDENT FOCUS:
STUDENT CERTIFICATIONSPARTICIPATIONS IN WORKSHOPS / CONFERENCES/NSS PROGRAMS:
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Department has organized "CRT Training (Azure +TCS )", for final year students from 04/08/2023 to 19/08/2023T.Vishnu Trainer bytexl Hyderabad acted as Resource person.

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Makkena Sambasivarao Mechanical Engineering final year student completed NPTEL certification on "Introduction to internet of things", with 54% during July-Oct 2023.

Derangila Pardhu Ganesh Mechanical Engineering final year student completed NPTEL certification on "Engineering Metrology", with 55% during July-Oct 2023.

Komaragiri Sasi Kumar Mechanical Engineering final year student completed NPTEL certification on "Engineering Metrology", with 55% during July-Oct 2023.

Shaik Jakir Mechanical Engineering final year student completed NPTEL certification on "Engineering Metrology", with 53% during July-Oct 2023.

Yasam Manikanta Mechanical Engineering third year student completed NPTEL certification on "Fundamentals of Manufacturing Technology", with 53% during July-Oct 2023.

Korrapati Mohan Krishna Mechanical Engineering third year student completed NPTEL certification on "Fundamentals of Manufacturing Technology", with 54% during July-Oct 2023.

Kethaboyina Mahesh Mechanical Engineering third year student completed NPTEL certification on "Fundamentals of Manufacturing Technology", with 49% during July-Oct 2023.

Y. Hemalatha Meghana Mechanical Engineering third year student completed NPTEL certification on "Fundamentals of Manufacturing Technology", with 87% during July-Oct 2023.

L.Rambabu Mechanical Engineering third year student completed NPTEL certification on "Fundamentals of Manufacturing Technology", with 87% during July-Oct 2023.

Department has organized One week hands on workshop on "NON DESTRUCTIVE TESTING by BITS Vizag ", for final year students from 04/11/2023 to 11/11/2023. Mr. CH.Satish kumar General manager, M.Bala Krishna QC Inspector and G.Srinu D. Srinivasulu QC Inspector, acted as Resource persons.



Department has organized Accenture CRT Training for final year students from 10/11/2023 to 11/11/2023 . By BYTXL training team.

Department has organized CRT Training for Accenture qualified students (final year students) on 20/11/2023 to 24/11/2023. O. Ananda, HOD TPC acted as Trainer.



Department has organized workshop on "INDUSTRIAL AUTOMATION USING PLC AND SCADA", for final year students from 20/11/2023 to 24/11/2023. Mr. 1.Vignesh Ramadoss, Technical coordinator and. M Nagarjuna,Application Engineer Axis Global Automation Group of companies Chennai.

Mechanical Engineering Students participated in Competition on the occasion of "33rd National Energy Conservation Day", on 14/12/2023.

Department has organized CRT Training for third year students from 22/12/2023 to 30/12/2023. Mr. Folk acted as Trainer.

## CO CIRCULAR ACTIVITIES (SPORTS):



Mechanical Engineering Students participated in kabaddi as a part of sports day celebrations on 21/08/2023.

Mechanical Engineering Students participated in kabaddi as a part of sports day celebrations on 21/08/2023.

N.Naga Sridhar, Mechanical Engineering third year student got third prize in "ROPE SKIPPING SPEED SPRINT RELAY", organized by Gudlavalleru Engineering College , Gudlavalleru Krishna district from 18/11/2023 to 20/11/2023.

Mechanical Engineering staff participated and lost in finals in "VIGNAN MAHOSTAV-2024 Faculty Cricket Championship", sports events during 18/12/2023 to 23/12/2023.

K.Ramanji, Third year Mechanical Engineering student selected in JNTUK SOUTH ZONE KHO KHO MEN Selections.

## NSS ACTIVITIES:

Mechanical Engineering department students are participated in "Voter Identity Card Issue Program", organized in our college premises as a part of NSS activity on 12/07/2023.

Five students from Mechanical Engineering are participated in "Army Attached Camp", at 23(A) Bn chirala officeas a part of NCC activity from 13/07/2023 to 23/07/2023.

Mechanical Engineering department faculty participated in boold sugar check up as a part of NSS activity on the occasion of NSS formation day with Konac Diagnostics on 22/09/2023.

On the occasion of World AIDS day on December 1st, " THE AWARENESS ON AIDS" program was conducted by Women Empowerment cell, NSS & IQAC. The chief guest is Bijaya Lakshmi Parimi Psychologist, Motivational speaker & Family counselor



## ALUMNI TALK:



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 21/06/2023, For this program Mr Chintha Rama-koteswararao , Centilion pvt limited, Assistant developer Madhapur, Hyderabad acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career Guidance", on 05/08/2023, For this program Mr Sampath Kumar, Beghou consulting India Pvt Ltd, Software developer , Hyderabad and Mr RaviKumar Khagga, VonExpy Softech , Full Stack Developer are  acted as a Resource persons.





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Department has organized a one day Alumni talk to final year students on "Career Guidance on Entrepreneurship ", on 26/09/2023, For this program Mr V.Vamsi Krishnam Raju, Director Sapthagiri Flyash bricks Pvt Lmtd acted as a Resource persons.





Department has organized a one day Alumni talk to final year students on "Career Guidance", on 28/11/2023, For this program Mr Yagna Malleswara Rao,TCS, Developer Infor LN Mumbai  acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career Guidance", on 23/12/2022, For this program Mr. Chirumamilla Gopibabu (2014-2018) Batch , Developer, Zilogic systems, Bangalore acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career Guidance", on 23/12/2022, For this program Mr. Chirumamilla Gopibabu (2014-2018) Batch, Developer, Zilogic systems, Bangalore acted as a Resource person.





Department has organized a one day "VIRTUAL INTERNATIONAL ALUMNI MEET", on 17/12/2023, For this program MrK.Kiran chand , Assistant Professor and K.John babu , Assistant Professor acted as a coordinators

## INDUSTRIAL VISITS:



Students from final year A &B section Visited "Trident power pvt limited",Velpur, Savalyapuram, Vinukonda  as a part of an industrial visit on 21/07/2023 . T.Ashok kumar, Assistant  professor and A.Pavan kumar Assistant professor coordinated this program.

Students from third year A section Visited "Trident power pvt limited",Velpur, Savalyapuram, Vinukonda as a part of an industrial visit on 21/07/2023 . A.Pavan kumar Assistant,professor coordinated this program





Students from third year Visited "Railway carriage and wagon workshop", Guntur, as a part of an industrial visit on 28/07/2023 . T.Ashok kumar, Assistant professor and A.Pavan kumar Assistant professor coordinated this program.

Students from final year Visited "Railway carriage and wagon workshop",Guntur, as a part of an industrial visit on 28/08/2023 . A.Pavan 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.Venkatr amaiah | | |
| 6 | 21475A0332 | B.Srinivas | | |
| 7 | 21475A0335 | K.Srinu | | |
| 8 | 20471A0315 | K.Maheswar | | |
| 9 | 21475A0302 | SD.Sardar vali | Buildmate Projects | 1.8 LPA |
| 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:

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.



**Mr. G.SIVA KRISHNA REDDY**
(2013-2017Batch)
NTT DATA (Mexico), Gandhinagar, Abinition Developer (DSIST Specialist)

### Student Voice:



**N. YASWANTH**
21475A0320

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.

## 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

### Nanoelectronics

With around USD 15+ Billion market size in 2023 and expected to reach USD 20+ Billion by 2030, audio electronics provide an immersive listening experience and better sound quality to users.
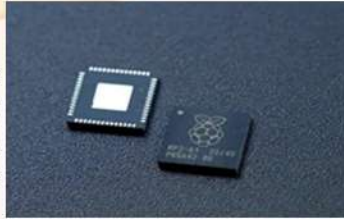
Nanoelectronics involves designing, fabricating, and developing electronic devices at the nanoscale in terms of nanometers( e.g. 1nm to 100nm ).

Designing and developing smaller electronics will produce high performance and less noise, that's why every two years, the electronic chip becomes smaller, more compact, and produces high-speed processors like A11 or Intel's processor. Currently, giant companies like Intel and Qualcomm working on around 10nm technology and are expected to reach 2nm by 2028. It's unbelievable, right?

Technologies like AI and ML are helping nanoelectronic tech to develop secure and highly efficient chips for the next generation.

In the future, nanoelectronic technology will become more advanced and produce new future career opportunities, especially in the semiconductor industry.

### Medical Electronics

With around USD 750+ Billion market size in 2023 and expected to reach USD 1.5+ Trillion by 2030, medical electronics make the world healthy and safer.

Electronics plays a very important role here. Medical electronics help people to diagnose and treat diseases using accurate and high-tech equipment and devices.

Medical electronics include devices such as glucometers, heart rate monitors, digital thermometers, ECG, EEG, and EMG sensor devices, etc. All of the devices should be accurate, and efficient when used.

New technologies such as AI, ML, and IoT help the medical industry to develop highly efficient electronic products and devices that are used to detect diseases, cancer, and viruses and provide better solutions against them.

Doctors can check the patient's problems such as blood pressure and diabetes in real-time through IoT technology from anywhere and anytime.

In the future, medical electronics will provide efficient and accurate care to people. And find new solutions and treatments for diseases

## Faculty Focus

• IBM SkillsBuild, Faculty buildathon Award Received by Dr. A.V.Nageswara Rao on 28/10/23

• One Week Course on "Python" was completed by the Faculty: Dr.B. Suneetha, Course was organized by GUVI, Google for education Partner.

• Awarded the Certificate of achievement for the successfully completion of One Week (07/08/2023 to 12/08/2023) Course on "Chatgpt for Everyone" was completed by the Faculty: Mrs.P. Vinuthna.

• Dr.Y.Jayapal Reddy, Mr.P.BhagyaRaju, Mrs.G.Rajavali awarded "Academic Excellence Award" on the occasion of Teacher's Day-2023 Celebrations organized by Narasaraopeta Engineering College (Autonomous),AP.
• Dr. RajuKolluri awarded "Outstanding Dedication and Exemplary Service as a IEEE branch counselor at IEEE Guntur Zonal Section Congress, UDGAMA 2023" Certificate of Appreciation award on 29/9/2023 organized by VasireddyVenkaredri Institute of Technology, Guntur, India.

## Faculty Publications

1. Mr. Ch. Seshu Kumar, " GrayWole Optimization Based Controller design For a Two Tank System", Published by the Faculy: Journal: Eur.Ckem. Bull.2023,12(issue7), 4019-4028
2. A V Nageswararao , V Venkata Rao , Y Jaipal Reddy "MEASUREMENT AND CONTROL OF WATER FLOW USING IOT" , Eur. Chem. Bull, Apr-2023, Special Issue 4 PP: 11509-11513
3. ShaikBajidVali, V.Venkata Rao "ADVANCED ROUNDING BASED APPROXIMATE MULTIPLIER (AROBA) AND MAC UNIT DESIGN" Journal of Emerging Technologies and Innovative Research, ISSN-2349-5162, May 2023, Volume 10, Issue 5, e30-e35.
4. Dr. B. Suneetha" Sentiment Analysis of Social Media reviews Using Machine Learning and Word Embedding Techniques"Eur. Chem.Bull,2023,12(10), 11771-11778. August, 2023
5. Dr. K. Srinivasa Rao A Science citation index (SCI) Paper Publication " Outage Analysis for User Pairing Based Downlink C-NOMA Network with Receiver Diversity Techniques Over η - μ Fading Channel"Sadhana (2023) 48:218 journal- Springer.
6. Dr. ShaikBajidvali, Dr. A. V. Nageswara Rao on "AI and IoT Technology and Applications for Smart  Healthcare Systems" Auerbach Publications.
7. Dr. V. Venkata Rao , Mr. V. Naveen Raja"A Classified Approach to Change Detection in Very High Resolution SAR Images for Surveillance Applications",Science, Technology and Development Journal, November- 2023.

## FDPs attended by our Faculty Members

• Dr.B.Suneetha, Mrs. T. Indira, Mrs. SK. AreefaBegam, Mrs.P. Vinuthna, attended One week FDP on "MIMO Antennas for 5G Communications" from 26/07/2023 to 30/7/2023 organized by Department of ECE and IETE Chapter, KallamHaranadhareddy Institute of Technology, Guntur.

• Mr. D.Suneel, Mrs.P.Vinuthna attended A webinar on "Migrating to the visit Software Development IDE" was attended by the faculty on 22/7/2023 organized by Sandeepani School of embedded System Design, Bangalore.

• Mrs. P.Vinuthna attended A webinar on "Static Timing Analysis(STA) for Beginners" on 28/7/2023 organized by Sandeepani School of embedded System Design, Bangalore.

• Dr. Veeravalli Venkata Rao, Dr. EbraheemKhaleelulla attended One Week National Level Faculty Development Program on " Cloud Infrastructure (AWS)" from 21/08/2023 to 25/08/2023 organized by Narasaraopeta Engineering College (Autonomous),AP in collaboration with Brainovision Solutions India Pvt Ltd and AICTE.

• Mrs.T.Indira, Mr. A. RavindraBabu attended One week workshop on "VLSI to System Design: Silicon to End Application Approach" from 31/07/2023 to 04/08/2023 organized by AICTE, Arm Education and St Microelectronics.

• Mr. Gujjula. RamanaReddy attended A webinar on " Unlocking the Potential of Wide Band gap Semiconductors for Extreme Environments" on 19/8/2023 organized by department of ECE, VRSEC

• Dr. Veeravalli Venkata Rao, Dr. A.V. Nageswara Rao, Dr. B.Suneetha, Mr. A. RavindraBabu, Mr. V. Naveen Raja, Mr. G. Ramana Reddy, Mr. A. Ramesh attended A one Week National Level Faculty Development Program on "Recent Advances in Electronics and Communication Engineering-An Approach through AI & ML" from21/08/2023 to 26/08/2023 organized by Vignan'sNirula Institute of Technology and Science For Women, Guntur, AP.

• Dr.K.Raju attended One Day Workshop on "Leading The Way: Navigating the Engineering Trends of AI & Electrification in Engineering Education" on 15/09/2023 organized by JNTUK in Association with Mathworks and Capricot on 15/09/2023 at Alumni Auditotium, JNTU Kakinada.

• Mrs. P. Vinuthna has attended a Webinar on "Getting Started with the Versal Adaptive SoC Platform" held from 18/10/23 by Sandeepani school of embedded system design, Bangalore.

• Mr. B. Babu Rao attended a Five days International Online Workshop on "Smart Antennas - The design perspective using CST Studio Suite Software" From 09/10/23 to 13/10/23 Organized by the department of ECE, S.A. Engineering College

• Mr. P. JAYA BABU has attended a Three Day National Level FDP on" Emerging Trends in VLSI Device, Circuit & System Design- A Practical Approach" held during 9-11-23 to 11-11-23, at RVR & JC College Of Engineering.

• Mrs. G. RAJAVALI has attended a Webinar on "NEP 2020: NATIONAL HIGHER EDUCATION QUALIFICATION FRAMEWORK" Organized on 17-11-23, by Association of Indian Management Schools(AIMS)

• Dr. A. V. NageswaraRao has attended a Three Day Workshop on "CURRICULUM" Organized by Efftronics Systems PVT.LTD. From 17-11-23 to 19-11-23.

• Mr. G. Ramana Reddy has attended a Five Day Workshop on" Recent Developments in Neural Networks and Embedded RTOS " held during 9-10-23 to 13-10-23.

• A Guest Lecture given on "Global Satellite Navigation Systems", by Dr. V. Venkata Rao at KHIT, Guntur on 20-11-2023.



• Dr. V. Venkata Rao attending ATAL FDP on "Novel Materials, Devices and Applications" at V R Siddhartha Engineering College, Vijayawada, during 11-12-2023 to 16-12-2023.

## NPTEL Courses

| Sl.No | Name of the Faculty | Course Name | Date/s of the event |
|---|---|---|---|
| 1 | Mr. B. Siva Nageswara Rao | Introduction to Machine Learning | July-September 2023 (8 Weeks Course) |
| 2 | Dr. A.V.Nageswara Rao | Python for Data Science | July-August-2023(4 weeks) |
| 3 | Mr. A. Raveendra Babu | FDP on " Cyber Security and Privacy" | July-Oct 2023(12Week Course) |
| 4 | Mr.P. Jaya Babu | FDP on " Cyber Security and Privacy" | July-Oct 2023(12Week Course) |
| 5 | Mrs. P. Vinuthna | FDP on " Cyber Security and Privacy" | July-Oct 2023(12Week Course) |
| 6 | Mr. Ch. Seshu Kumar | Cyber Security and Privacy | July-Oct 2023(12Week Course) |
| 7 | Mr.A.Rave endraBabu | Cyber Security and Privacy | July-Oct 2023(12Week Course) |
| 8 | Mrs.P.Vin uthna | Cyber Security and Privacy | July-Oct 2023(12Week Course) |
| 9 | Mr. P. Jaya Babu | Cyber Security and Privacy | July-Oct 2023(12Week Course) |
| 10 | Mr. V. Naveen Raja | Cyber Security and Privacy | July-Oct 2023(12Week Course) |
| 11 | Dr. K. Srinivasa Rao | Digital Circuits | July-Oct 2023(12Week Course) |
| 12 | Mr. CH. AdiBabu | Deep Learning | July-Oct 2023(12Week Course) |
| 13 | Dr. A.V. Nageswara Rao | Machine Learning and Deep Learning | July-Oct 2023(12Week Course) |
| 14 | Dr. V. Venkata Rao | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 15 | Mr. P.S.S. Chakravarthy | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 16 | Mr. B. BalojiNaik | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 17 | Mr. Y.V. Lakshmaiah | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 18 | Mr. A. Ramesh | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 19 | Dr. J. Brahmaiah Naik | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 20 | Mr. G. Ramana Reddy | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 21 | Mr. M.B. Narendra | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 22 | Mr. J. Narasimha Rao. | Introduction to Internet of Things | July-Oct 2023(12Week Course) |
| 23 | Mr. N. Srinivasa Rao | Research Methodology | July-Oct 2023(12Week Course) |
| 24 | Dr. B. Suneetha | FDP on " Cloud Computing" | July-Oct 2023(12Week Course) |
| 25 | Mr. SK. Md. Shareef | FDP on " Cloud Computing" | July-Oct 2023(12Week Course) |
| 26 | Mrs. T. Indira | FDP on " Cloud Computing" | July-Oct 2023(12Week Course) |
| 27 | Dr. B. Suneetha | Cloud Computing | July-Oct 2023(12Week Course) |
| 28 | Mr. SK. Md. Shareef | Cloud Computing | July-Oct 2023(12Week Course) |
| 29 | Mrs. T. Indira | Cloud Computing | July-Oct 2023(12Week Course) |
| 30 | Dr .Sk. Ebraheem Khaleelulla | Problem Solving Through Programming in C | July-Oct 2023(12Week Course) |
| 31 | Mr. M.H.H. Sastry | Problem Solving Through Programming in C | July-Oct 2023(12Week Course) |

## Events Organized by Department

| Name of the Program | Resource person with Affiliation Details | Dates | participants |
|---|---|---|---|
| A seminar on "Study in Abroad" | Mr. Mahesh Pappu, CEO, UniAway | 06/07/2023 | 180 |
| Tree Days workshop on "Industrial Internet of things" | Mr.P.Madhu, Make Skilled Innovations Park, Hyderabad | 17/07/2023 to 19/07/2023 | 120 |
| On the eve of "Engineer's day", 1.Power Point Presentation, 2.Technical Quiz events | Mr. BandiBhaskar, Sub-Divisional Engineer, Broad Band BSNL, Guntur | 15/09/2023 | Paper Presentation: 15 Batches, poster Presentation:5 Batches |
| Guest Lecture on "Face the Global Competition: Higher Education & Job Opportunities" | Mr. Royadas (Roy) Manthena, Senior Vice President, JP Morgan Chase, USA | 27/09/2023 | (190) |

## DEPARTMENT ACTIVITES

PPT Presentation on the occasion of "Woman In Engineering day" on 10/07/2023 and organized by Department of ECE under IEEE WiE Society Chapter.





A seminar on "Health and Hygiene" was conducted on 17/08/2023.

"Happyness program" was conducted on 01/09/2023 to ECE Faculty of Narasaraopeta Engineering College (Autonomous), AP.



"Teacher's Day Celebrations" Was conducted on 05/09/2023 and organized by the department of ECE, Narasaraopeta Engineering College (Autonomous),AP.

On the eve "Engineer's Day Celebrations", "Paper presentation and poster presentation competition" was conducted on 15/09/2023, Resource Person: Mr. BandiBhaskar, Sub-Divisional Engineer, Broad Band BSNL, Guntur and the program was organized by the Department of ECE, Narasaraopeta Engineering College (Autonomous) in Association with IETE Students Forum (ISF).



"IEEE membership drive" conducted for II/I-ECE and EEE students on 21-09-2023, organized by the Department of ECE

Research Centre Inspection was successfully completed in ECE Department on 15-11-23.



A"International Standard Organization (ISO) mock visit by Mr. Singayyagaru andDr.Lakshman Kumaron 01/12/2023, in ECE Department, Narasaraopeta Engineering College (Autonomous), AP.



A One week workshop on "Innovative Problem Flow Design Using DIA Tool", was conducted for 1st B-tech- ECE students, during 11-12-23 to 16-12-23, Organized by IQAC & ECE in Association with IEEE, IETE & ISTE



A "International Standard Organization (ISO)" external visit by Mr. K. Kutumbarao, ISO Expert from Hyderabad, in ECE Department was successfully completed on 12-12-23.

## STUDENT FOCUS
### TRAINING PROGRAMS ORGANIZED

CRT "Tata Consultancy Services(TCS) Registration" program for IV/I ECE Students on 06/07/2023.



Interaction program on "Benefits of Python software" was conducted to IV/I ECE-A Students on 08/07/2023. by Alumni Mr. Kurrayaswanth-Sairam (18471A04E9), Company:Eitacies, Role: Python intern., Location: Hitec city Hyderabad.

Interaction program on "Internet of Things" was conducted to IV/I ECE-D Students on 08/07/2023. by Alumni Ms. SusmithaPolisetti (18471A04A6), Working in Deloitte as an Analyst in Hyderabad.

IV ECE Students and Faculty members attended the Chandrayan-3 Launch in the Department Seminar Hall on 14/07/2023.



Interaction program on "Microwave Products" was conducted to IV/I ECE-C Students on 15/07/2023. by Alumni Mr. Panchumarthi Dileep Kumar (17471A0482), Company: Astra Micro-wave Products Limited, Hyderabad, Role: Testing Engineer.

Interaction program on "Internet of Things" was conducted to III/I ECE-D Students on 15/07/2023. by Alumni Mr. YerramsettySaiPavan (17471A04A6), Company: Accenture, Bangalore, Role: Engineering Analyst.

Interaction program on "Importance of Aerospace related Jobs" was conducted to IV/I ECE - A Students on 22/07/2023. by Alumni Mr. D. V. BharghavNa-rayana (15471A04H5), Organization: Collins Aerospace, Bangalore, Role: Team Leader.

TCS Specific Training (for both Azure and general batch students) was conducted from 04/08/2023 to 05/08/2023 to IV/I ECE Students

"The Brain Teaser & Pick 'N' Speak events" organized by department of ECE, IEEE NEC Student Branch on 12-08-2023.

ECE students Mr. F.Manikanta (20471A0412), Mr. P. Praveen (20471A0440), Mr. P. Venkateswarlu (20471A04G1) and Mr. U. Harikrishna( 20471A0455) got " Top Red Hat team award" on 13/10/2023 in "IBM Skills Build Hack Chalenge-2023", Bangalore.

ECE Students 1. Ms. P. KavyaSree (22471A04M9) got First Prize and 2. Mr. SK. Shabbeer (22471A0451) got Second Prize in "Photography Competition" on the occasion of "World Photography Day-2023" was celebrated on 14/10/2023 and organized by models & Prototype Club members, NEC.

A national level inter-engineering collegiate tournment, was organised at gudlavalleru engineering college during 18-20-nov-2023, k. Maheswari, student osnarasaraopetaEngineering College , got 3rd Place in Discus Throw (Women)

K. MAHESWARI, Student of Narasaraopeta Engineering College ECE department , got 2nd Place in Shotput, at VIVA VVIT-2023-2024.

Ch.Venkata Prasad, S.Dhanush Student of Narasaraopeta Engineering College ECE department ,winners in Badminton, at Sir C.R. Reddy College of Engineering, Eluru organized byJNTUK Central Zone Intercollegiate Tournament.

## Academic 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 II Semester – ECE Toppers

## ALUMINI VOICE

I am great to be a student of NEC. The environment in our college is amazing. I had opportunity to meet minds and fine tune my interpersonal and professional skills. My message to current students of NEC is to attend classes and training programs provided by college which is useful in building confidence and shaping career. I would like to take opportunity to say thanks to all members of NEC.



**J. JOHN SAMUEL**
Graduate Engineer Trainee
VodafoneIdea
19471A04E4

## STUDENT VOICE

Our department is a perfect environment for students to pursue their passion effortlessly. Every student future is envisioned here. Now a days all Engineering colleges are working like a factory which are mass producing robots killing students dreams and handing out degrees. To change this our college is striving hard. In this regard they encouraged me to go for University Innovation Fellowship at Stanford University where students from different colleges around the world are selected and given special training to bring change in eco system. I am glad being a part of this program. I am proud to be NECian.



**P CHANDRA SEKHARVAMSI**
20471A0438
IV ECE

## Vision

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

## Mission

The department of computer science and engineering is committed to

- M1: Mould the students to become software Professionals, researchers and entrepreneurs by providing advanced laboratories.

- M2: Impart high quality professional training to get expertize in modern software tools and technologies to cater to the real time requirements of the industry.

- M3: Inculcate team work and lifelong learning among students with a sense of societal and ethical responsibilities.

### Modern Trends in Technology

### EDGE COMPUTING:

**Introduction:**Computation takes place at the edge of a device's network, which is known as edge computing. That means a computer is connected with the network of the device, which processes the data and sends the data to the cloud in real-time. That computer is known as "edge computer" or "edge node".

Edge computing, a pivotal technology trend, which brings computing power closer to the data source, is expected to become increasingly important as the volume of data generated by connected devices continues to grow. In simple words, Edge computing refers to the use of computing resources and data processing capabilities at or near the "edge" of a network, rather than in a centralized location, such as a data canter.

**How to Work:**Instead of delivering data to a central server, edge computing processes it at the network's edge. This makes it ideal for applications like self-driving cars and smart cities because it can result in quicker processing times and less network congestion.

For example, in the Tesla self-driving car, the sensor constantly monitors certain regions around the car. If it detects an obstacle or pedestrian on its way, then the car must be stopped or move around without hitting. When an obstacle is on its way, the data sent through the sensor must be processed quickly and help the car to detect before it hits. A little delay in detection could be a major issue. To overcome such challenges, edge computing and fog computing are introduced.

### Example of Edge computing:

- Autonomous vehicle edge computing devices collect data from cameras and sensors on the vehicle, process it, and make decisions in milliseconds, such as self-parking cars.

- In order to accurately assess a patient's condition and foresee treatments, data is processed from a variety of edge devices connected to sensors and monitors.
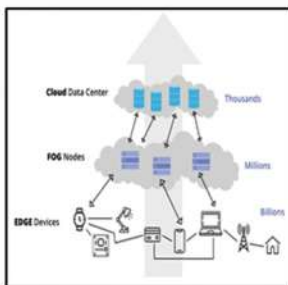


### Advantages:

- It offers high speed, reduced latency better reliability which allows for quicker data processing and content delivery.

- It offers better security by distributing processing, storage, and applications across a wide range of devices and data centers, which makes it difficult for any single disruption to take down the network.

- It offers a far less expensive route to scalability and versatility, allowing companies to expand their computing capacity through a combination of IoT devices and edge data centers.

- Since the data is processed locally, less time and resources are needed for data to be transmitted among the millions of connected devices.

### FACULTY FOCUS

#### A Publications / Conferences / FDP:

- Dr.S.V.N.Sreenivasu Computer Science and Engineering, Narasaraopeta Engineering has participated in the FDP on "Research Funding Opportunities" by Dr.Shivaprasad, Scientist-R & D Infrastructure Division, Department of Science Technology (DST),New Delhi, India held on 23rd June, 2023 organized by the Department of Physics, SRM TRP Engineering,College, Tiruchirappalli, Tamilnadu, India.

- Dr.K.Lakshminadh(Professor) of Narasaraopeta Engineering College Guntur, AP for his instrumental role as SPOC for the SWAYAM-NPTEL Local Chapter.

- Dodda VenkatReddy(Assistant Professor) for successfully completing the 6 credit course MCO-03: Research Methodology and Statistical Analysis with a consolidated score of 58% marks in the proctored examination held on 26-02-2023 offered by Prof Subodh Kesharwani of Indira Gandhi National Open University,New Delhi.

- S.Anusha (Assistant Professor) has successfully achieved the certification Microsoft Certified: Azure Fundamentals.

- Dr.M.Sireesha (Asso.Prof), S.Anusha (Asst.Prof), M.Mounika Naga Bhavani (Asst.Prof), P.Srinivasarao (Asst.Prof), participated in 5 Day's Online International Faculty Development Program on Data Analyst organized by APSSDC in Collaboration with ExcelR from 19/06/23 to 23/06/23.

- Certificate of Participation Presented to Mr.K.V.Narasimha Reddy (Asst. Prof), Mr.M.Sathyam Reddy (Asst. Prof) of Narasaraopeta Engineering College for Successful completion of 6-day Online Faculty Development Program on "Machine Learning- in Practise" held from 19/06/23 to 24/06/23.

- Dr.S.N.Thirumala Rao from Narasaraopeta Engineering College has attended one-week online FDP on "Machine Learning", organized by Department of Artificial Intelligence&Data Science, Computer Engineering, Dr.D Y Patil Institute of Engineering and Management Research, Akurdi from 10/07/2023 to 14/07/2023

- K.V.Narasimhareddy(Asst.Prof), D.Venkatareddy(Asst.Prof), S.Chaitanya Bharathi(Asst.Prof), M.Mounika Naga Bhavani (Asst.Prof) from Narasaraopeta Engineering College has attended one-week online FDP on "Machine Learning", organized by Department of Artificial Intelligence& Data Science, Computer Engineering, Dr.D Y Patil Institute of Engineering and Management Research, Akurdi from 10/07/2023 to 14/07/2023.

- Dr.Sireesha Moturi from Narasaraopeta Engineering College has Presented the Paper titled Prediction of liver disease using Machine Learning Algorithms authored by Sireesha Moturi,Jhansi Vazram Bolla, M.Anusha, M.Mounika, Naga Bhavani, Srikanth Vemuru, S.N.Tirumala Rao in the 4th International Conference on Data Science and Applications (ICDSA 2023) held during July14-15, 2023 in India.

- Dr.Sireesha Moturi from Narasaraopeta Engineering College has Presented the Paper titled Machine Learning Models for Chronic Renal Disease Prediction authored by Sai Kumar Mamidala, Sireesha Moturi, S.N.Tirumala Rao,„Jhansi Vazram Bolla, K.V.Narasimha Reddy in the 4th International Conference on Data Science and Applications(ICDSA 2023) held during July 14-15,2023 in India.

- Dr.Sireesha Moturi from Narasaraopeta Engineering College has got CERTIFICATE OF ATTENDANCE from Builders Online Series at AWS on 13 July 2023.

- Dr. S V N Sreenivasu, Professor, Computer Science & Engineering of Narasaraopeta Engineering College for attending One Week FDP on "Platforms & System Security in Cyber Space" from 3oth Jan to 4th Feb, 2023 Organized by Department of CSE (Data Science, Cyber Security and Artificial Intelligence & Data Science) in collaboration with Department of CSE (AI&ML and IoT), VNR Vignana Jyothi Institute of Engineering and Technology.

- Dr. S V N Sreenivasu, Professor, Computer Science & Engineering of Narasaraopeta Engineering College has participated in the Faculty Development Programme on "Research Funding Opportunities " by Dr. Shivaprasad, Scientist – R & D Infrastructure Division, Department of Science and Technology (DST), New Delhi, India held on 23rd June, 2023 organized by the Department of Physics, SRM TRP Engineering College, Tiruchirappalli, Tamilnadu, India.

- Mounika Naga Bhavani has successfully satisfied the requirements for: Getting Started with Enterprise Data Science and Journey to Cloud: Envisioning Your Solution in IBM.

- EXCELR Raising Excellence CERTIFICATE OF PARTICIPATION AWARDED TO Shaik Rafi, Syed Rizwana, Yamani Chandana, G Saranya, M Sathyam Reddy, M suneetha, M Mounika Naga Bhavani, Chaitanya Bharathi Sripathi, T G Ramnadh Babu, Seva Anusha, Participated in 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collabaoration with ExcelR From 10th July to 28th July 2023.

- Mounika Meduri is awarded to COURSE COMPLETION CERTIFICATE for successfully completing the course Introduction to HTML on August 3, 2023 from Infosys Springboard.

- Mounika Meduri and Saranya Gaddam are awarded to COURSE COMPLETION CERTIFICATE for successfully completing the course Basics of Python on August 8, 2023 from Infosys Springboard.

- Marella Venkata Rao is awarded to CERTIFICATE OF ACHIEVEMENT for successfully completing Python Foundation Certificate on August 8, 2023 from Infosys Springboard.

- Saranya Gaddam is awarded to CERTIFICATE OF ACHIEVEMENT for successfully completing Python Foundation Certificate on August 9, 2023 from Infosys Springboard.

- Chaitanya Bharathi is awarded to COURSE COMPLETION CERTIFICATE for successfully completing the course Basics of Python on August 10, 2023 from Infosys Springboard.

- K.V.Narasimhareddy, MSuneetha, Chaitanya Bharathi, M.Mounika Naga Bhavani from Narasaraopeta Engineering College has got CERTIFICATION of PARTICIPATION for attended a one-week online FDP on "Innovative Teaching Methodology-A creative Pedagogy", organized by Department of Artificial Intelligence & Data Science, Robotics and Automation, D Y Patil College of Engineering, Akurdi. In association with ISTE and IQAC DYPCOE Akurdi, Pune from 31/07/2023 to 04/08/2023.

- Chaitanya Bharathi Sripathi, Kandi Venkata Narasimhareddy, M. Mounika Naga Bhavani, Saranya of Narasaraopeta Engineering College has participated in a Three Day Online Faculty Development Program on "Data Science and Its Applications" organized by the Department of Cyber Security and Data Science, during 7th - 9th August, 2023 in Bapatla Engineering College, Department of Cyber Security and Data Science.

- K.V.Narasimha Reddy, Assist.Professor, has presented the paper BrainTumer Detection using CNN with paper code 526 in 1st International Conference on Emerging Technologies in Engineering and Science(ICETES-2023) organized by DVR& Dr. HS MIC College of Technology (AUTONOMOUS) kanchikacherla, Andhra Pradesh, India during 11th to 12th August 2023, got Participate Certificate and Authorship Certificate.

- Saranya, Dr. Sireesha Moturi, M Mounika Naga Bhavani, M Sathyam Reddy, T G Ramnadh Babu, M Suneetha were Participated in 5 Days Online International Faculty Development Program on NLP and ChatGPT APPLICATIONS organized by SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd. on 14th Aug to 19th Aug 2023 and got participation certificates.

- Mr. K. V. Narasimha Reddy, Asst. Prof., in the Department of CSE has got Academic Excellence Award on the eve of Teacher's Day in recognition of outstanding achievement in Human Computer Interaction with 100 pass percentage in IV - I B. Tech in the Department of CSE for the academic year 2022 – 2023.

- Dr S V N Sreenivasu has got Certificate of Appreciation for successfully completion of the five days International Faculty Development Programme titled "UNLEASHING EMERGING RESEARCH TRENDS AND ADVANCEMENTS IN COMPUTER SCIENCE" during 01st – 05th of August 2023, Organized by the Department of Computer Engineering & Advance Computing in association with ACM, Poornima College of Engineering, Jaipur, Rajasthan.

- Karuna Kumar Valicharla, M. Mounika Naga Bhavani, Shaik Rafi, M SATHYAMREDDY, Saranya Gaddam, Dr. Sireesha Moturi, Mothe Suneetha Narasaraopeta Engineering College have successfully participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College, Andhra Pradesh in collaboration with Brainovision Solutions India Pvt Ltd and All India Council for Technical Education (AICTE) during the period of 21st to 25th August 2023 and they has got certificate of participation.

- Dr.K.LakshmiNadhNarasaraopeta Engineering College has successfully participated in the Student Workshop in the part of One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Brainovision Solutions India Pvt Ltd in collaboration with AICTE during the period of 21st to 25th August 2023 and he has got certificate of participation.

- Dr S V N Sreenivasu, Narasaraopeta Engineering College has successfully participated in the Student Workshop in the part of One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Brainovision Solutions India Pvt Ltd in collaboration with AICTE during the period of 21st to 25th August 2023 and he has got certificate of participation.

- Dr. Sireesha Moturi has successfully completed the training Virtual Faculty Buildathon Cloud App Development with Red Hat OpenShift conducted by IBM SkillsBuild from Jul 24, 2023 to Aug 04, 2023.

- Meduri Mounika NB has successfully completed the training Virtual Faculty Buildathon Data Analytics with Cognos conducted by IBM SkillsBuild from Jul 24, 2023 to Aug 04, 2023.

- Kunda Suresh Babu has got certificate of participation for participating in Three Day Faculty Development Programme on ESSENTIALS OF AI (HANDS - ON) Organized by Department Of Information Technology in Association with Soft Company Research Society from 14th to 16th September 2023.

- S. V N Sreenivasu, Nukala Vijaya Kumar, M Sathyam Reddy, M. Mounika Naga Bhavani has got CERTIFICATE OF PARTICIPATION for successfully participation in our 5 days online STTP on "Data Science for Business", organized by Dept. of AI&DS, VIIT, Pune held in online mode from 4th September 2023 to 8th September 2023.

- Mrs. M.mounika Naga Bhavani, Mr. Kandi Venkata Narasimhareddy, Mrs. Saranya has got Certification Of Participation for participated in Two Day National Level webinar on "PREPAREDNESS TOWARDS IMPLEMENTATION OF NEP 2020" conducted on 15th and 16th of September 2023, Organized by Tilak Education Society's J. K. College of Science and Commerce Ghansoli (Affiliated to University of Mumbai).

- Mahaboob Subhani Shaik Ch,Narasaraopeta Engineering College has successfully participated in the Student Workshop in the part of One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Brainovision Solutions India Pvt Ltd in collaboration with All India Council for Technical Education (AICTE) during the period of 21st to 25th August 2023 and he has got certificate of participation.

- Dr. Sireesha Moturi and M.mounika Naga Bhavani from Narasaraopeta engineering College has successfully participated in Microsoft, SAP & AICTE led Faculty Development Program on AI & Cloud: Workshop on responsive AI in the cloud: Leveraging Generative power in the Cloud under TechSaksham from 21st August 2023 to 25th August 2023.

- Vijay Kumar has got certificate for successfully completed the course requirements for Faculty Development Program on Large Language Models in A.I from 04/10/2023 to 07/10/2023 jointly conducted by Andhra Pradesh Information Technology Academy, a Unit of Department of IT & ES, Government of Andhra Pradesh and Blackbuck Engineers Pvt Ltd.

- Dr. Sireesha Moturi, Saranya has got certification of participation from EXCELR Raising Excellence for successful completion of 30 hours Live Training Program on Fundamentals of Full Stack Development held from 20th Sep 2023 to 13th Oct 2023.

- Dr. Sireesha Moturi, Saranya, M Mounika Naga Bhavani and Chaitanya Bharathi has got certification of participation for participated in 30 hours National Faculty Development Program on Cyber Security organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR Edtech Pvt. Ltd. from 25th Sep to 14th Oct 2023.

- Dr. Sireesha Moturi, M Mounika Naga Bhavani and Chaitanya Bharathi Sripathi has got certification of participation for participated in 10 hours International Faculty Development Program on Applications of Business Analytics organized by Department of Management studies, Ramaiah Institute of Technology in Collaboration with ExcelR Edtech Pvt. Ltd. from 9th Oct to 13th Oct 2023.

- Dr S V N Sreenivasu has got certification of participation for participating in the Online workshop on Introduction to Traditional Knowledge Intellectual Property & People's Rights, organized by the Indian Knowledge Systems (IKS) Division, Ministry of Education, and CSIR-Traditional Knowledge Digital Library (TKDL) Unit, Ministry of Science and Technology, from August 7 to 11, 2023.

- Dr. S.N.Tirumala Rao, Dr. K. Lakshminadh and Dr. S. Siva Nageswara Rao from Narasaraopeta Engineering College, Narasaraopet has selected as guides for scholars from JNTU Kakinada.

- Dr. Sireesha Moturi has successfully completed the training Virtual Faculty Buildathon Data Analytics with Cognos and Cloud App Development with Red Hat OpenShift conducted by IBM SkillsBuild from Jul 24, 2023 to Aug 04, 2023.

- As a Guide to Research Scholars Dr. S.V.N. Srineevasu, Professor, Computer Secience and Engineering, Narasaraopeta Engineering College, Narasaraopet has successfully completed guidance to his 11th Research Scholar Sudheer Pullagura for pursuing Degree of Doctor of Philosophy (Ph.D) from Acharya Nagarjuna University (ANU).

- Dr. Sireesha Moturi and Saranya has got Certification of Participation from EXCELR Raising Excellence for successful completion of 30 hours Live Training Program on Mobile App Development with Flutter for Android and iOS held from 25th Oct 2023 to 11th Nov 2023.

- Chaitanya Bharathi Sripathi has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Basic) on 24 Nov, 2023.

- DODDA VENKATAREDDY of Narasaraopeta Engineering College has got Certificate of Participation for participated in the International Conference on Waste Management, Recycling and Environment (ICWMRE-2023) and Presented a Research paper entitled A Study on Muncipal Waste and Waste Management held at Andhra Kesari University, Ongole on 16th & 17th November – 2023.

- Dr. Sireesha Moturi has got Certification of Participation from EXCELR Raising Excellence for Participated in 10 Hours National Faculty Development Program on Machine Learning and Artificial Intelligence organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. from 13th Nov to 17th Nov 2023.

- Shaik Rafi, Syed Rizwana, Chandana Yamani, Mahaboob Subhani Shaik Ch and Valicharla Karuna Kumar from Narasaraopeta Engineering College has successfully completed Microsoft, SAP & AICTE led Faculty Development Program on AI Evolution: From Foundations to Generative AI under TechSaksham from 14th November 2023 to 18th November 2023.

- Chaitanya Bharathi Sripathi from Narasaraopeta Engineering College has successfully completed Microsoft, SAP & AICTE led Faculty Development Program on AI Evolution: From Foundations to Generative AI under TechSaksham from 14th November 2023 to 18th November 2023.

- ChaitanyaBharathi Sripathi has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Intermediate) on 25 Nov, 2023.

- Chaitanya Bharathi Sripathi has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Advanced) on 28 Nov, 2023.

- Dr. Sireesha Moturi has got Certificate of Participation from EXCELR Raising Excellence for successful completion of 30 hours Live Training Program on Digital Marketing Held From 6th Nov 2023 to 24th Nov 2023.

- Dr. K. Suresh Babu from Narasaraopeta Engineering College has got Certificate of Participation for successfully participation in a One Week National Level Faculty Development Program on AI TOOLS AND PROMPT ENGINEERING organized by the Department of CSE, IT, CSE (AI & ML, DS) of Anil Neerukonda Institute of Technology and Sciences in Association with Brainovision Solutions India Pvt Ltd, Duration: 27th Nov 2023 to 2nd Dec 2023.

- Dr. K.Suresh Babu and Mr. Kandi Venkata Narasimha Reddy of CSE department has filed a patent on AI-ENHANCED EDGE PROCESSING FOR REAL-TIME TRAFFIC MANAGEMENT IN SMART CITIES and published by patent office on 20-10-2023.

- KHAJA MOHIDDIN BASHA SHAIK has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Basic) on 16Dec, 2023.

- KHAJA MOHIDDIN BASHA SHAIK has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Intermediate) on 16 Dec, 2023.

- KHAJA MOHIDDIN BASHA SHAIK has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Advanced) on 16 Dec, 2023.

- Dr. Sireesha Moturi has got Certification of Participation from EXCELR Raising Excellence for Participated in 10 Hours National Faculty Development Program on NLP, Computer Vision and Artificial Intelligence organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. from 4th Dec to 8th Dec 2023.

- Chaitanya Bharathi Sripathi has got Certification of Participation from EXCELR Raising Excellence for Participated in 10 Hours National Faculty Development Program on NLP, Computer Vision and Artificial Intelligence organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. from 4th Dec to 8th Dec 2023.

- Kandi Venkata Narasimha Reddy from Narasaraopeta Engineering College has got Certification of Participation for attended one-week online FDP on "Distributed Ledger Technology", organized by Department of Artificial Intelligence & Data Science, Dr. D Y Patil Institute of Engineering and Management Research, Akurdi, Pune held in online mode from 4th December 2023 to 11th December 2023.

- Nukala Vijaya Kumar from Narasaraopeta Engineering College has got Certification of Participation for attended one-week online FDP on "Distributed Ledger Technology", organized by Department of Artificial Intelligence & Data Science, Dr. D Y Patil Institute of Engineering and Management Research, Akurdi, Pune held in online mode from 4th December 2023 to 11th December 2023.

- Dr. S.V.Naga Sreenivasu from Narasaraopeta Engineering College, Andhra Pradesh has got Certification of Participation for participated in the Regional Meet held on 11th Dec 2023 Institute of Aeronautical Engineering, Hyderabad.

- A ONE WEEK FACULTY DEVELOPMENT PROGRAM on SALESFORCE PLATFORM DEVELOPER 1 conducted from 18th – 22nd December, 2023 Organized by Department of Computer Science and Engineering In Association with ICT ACADEMY.



- Dr.Sireesha Moturi has got Certification of Participation from EXCELR Raising Excellence For successful completion of 30 hours Live Training Program on Python Programming and SQL Held From 27th Nov 2023 to 15th Dec 2023.

- Dr. Sireesha Moturi has got Certification of Participation from EXCELR Raising Excellence For successful completion of 14 hours Online Training Program on Basics of Programming with Java Held from 4th Dec 2023 to 12th Dec 2023.

- Dr. Sireesha Moturi has got Certificate of Participation for successfully participated in the Two Weeks International Faculty Development Program on Big Data Analytics organized by the Department of Information Technology, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad in collaboration with ExcelR Edtech Pvt. Ltd. from 04th Dec to 15th Dec 2023.

- M.Mounika Naga Bhavani has got Certification Of Participation from EXCELR Raising Excellence For successful completion of 14 hours Online Training Program on Basics of Programming with Java Held from 4th Dec 2023 to 12th Dec 2023.

- M. Mounika Naga Bhavani has got Certification of Participation from EXCELR Raising Excellence for Participated in 10 Hours National Faculty Development Program on NLP, Computer Vision and Artificial Intelligence organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. from 4th Dec to 8th Dec 2023.

- Meduri Mounika Naga Bhavani has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Basic) on 18 Dec, 2023.

- Meduri Mounika Naga Bhavani has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Intermediate) on 18 Dec 2023.

- Meduri Mounika Naga Bhavani has got HackerRank Certificate for successfully cleared the assessment for the skill SQL (Advanced) on 18 Dec 2023.

- Narasaraopeta Engineering college has listed and successfully registered under ISO 9001-2015 certified institutions in India for the scope of activity Provision of Quality Technical Education at Engineering Level.



- Dr K Lakshminadh, Dr M Sireesha, Dr S N Tirumala Rao, G Saranya, M Mounika Naga Bhavani, M Sathyam Reddy, M Suneetha, M Venkata Rao, N Vijaya Kumar, S Chaitanya Bharathi, T G Ramnadhbabu and Y Neelima from Narasaraopeta Engineering College has got Certificate of Participation for participated in one week Faculty Development Program on Salesforce Platform Developer 1 conducted by ICT Academy on 18 Dec 2023 to 22 Dec 2023 at Narasaraopeta Engineering College.

- Dr. Rama Krishna Eluri, Assistant Professor, Department of CSE, Narasaraopeta Engineering College delivered a Guest Lecture on "Metaheuristic Algorithms" for MCA students on 14th December, 2023 in MAM PG College, Kesanupalli (V), Narasaraopet (Md), Palnadu (Dt) – 522601, A.P

- Dr. K. Suresh Babu, Associate Professor, Department of CSE, Narasaraopeta Engineering College delivered a Guest Lecture on "ChatGPT Vs the Art of Prompt Engineering" for MCA students on 27th December, 2023 in MAM PG College, Kesanupalli (V), Narasaraopet (Md), Palnadu (Dt) – 522601, A.P.

**FACULTY ACHIEVEMENTS:**
- Mr. Kunda Suresh Babu from Department of Computer Science and Engineering has got Ph.D. degree from VIT-AP UNIVERSITY.



- Sireesha Moturi from Department of Computer Science and Engineering has got Ph.D. Original Degree Certificate from KL UNIVERSITY on 25-11-2023.

Syed Rizwana is pursuing Ph.D. in NIT Mizoram, and she has got Best Paper Award on 06-12-2023 for published a paper titled Non-Local Means Filter based Unsharp Masking Model for Mammogram Enhancement presented in ICMEET-2023, 8th International Conference on Microelectronics, Electromagnetics and Telecommunications ICMEET 2023 October 6-7, 2023, Organized by Department of Electronics and Communication Engineering, National Institute of Technology Mizoram, India.



Marella Venkataraohas got NPTEL Online certificates for successfully completing the course Programming, Data Structures and Algorithms Using Python and Design and Analysis of Algorithms in Jul-Sep 2023.



Dr Sireesha Moturi, Kandi Venkata Narasimhareddy has got NPTEL Online certificates for successfully completing the course Introduction to Machine Learning in Jul-Sep 2023.



Lakshminadh Kurakula has got NPTEL Online certificate for successfully completing the course Software Testing in Jul-Sep 2023.



Dr Siva Nageswara Rao S has got NPTEL Online Certification for successfully completing the course Demystifying Networking from Jul-Aug 2023 (4-week course).



Dr S Naga Thirumala Rao and Dr Sireesha Moturi has got NPTEL Online Certification for successfully completing the course Introduction to Operating Systems from Jul-Sep 2023 (8-week course).



Shaik Rafi, Syed Rizwana and M Suneetha has got NPTEL Online Certification for successfully completing the course Python for Data Science from Jul-Aug 2023 (4-week course).



DODDA VENKATAREDDY has got NPTEL-AICTE Faculty Development Programme (FDP) Certifacate from IIT Madras for successfully completing the 12-week course Deep Learning with a consolidated score of 51% in Jul-Oct 2023.



DODDA VENKATAREDDY has got NPTEL Online Certifacation from IIT Madras for successfully completing the 12 week course Deep Learning with a consolidated score of 51% in Jul-Oct 2023.



S V N SREENIVASU has got NPTEL-AICTE Faculty Development Programme (FDP) Certificate from IIT Madras for successfully completing the 12-week course Understanding Incubation and Entrepreneurship with a consolidated score of 46% in Jul-Oct 2023.



NUKALA VIJAYA KUMAR has got NPTEL Online Certifacation from IIT Khargpur for successfully completing the 12-week course Data Structure and Algorithms Using Java with a consolidated score of 75% in Jul-Oct 2023.



KARUNA KUMAR V has got NPTEL Online Certifacation from IIT Khargpur for successfully completing the 12-week course Programming in Java with a consolidated score of 62% in Jul-Oct 2023.

- RAJANI CHALCHEEMA has got NPTEL Online Certifacation from IIT Khargpur for successfully completing the 12-week course Programming in Java with a consolidated score of 75% in Jul-Oct 2023.



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



Department of Computer Science and Engineering, Narasaraopeta Engineering College, Narasaropet has got Research Centre Status from JNTU Kakinada, R&D on 03-11-2023.

Government of Andhra Pradesh School Education Department, Digital Education Technology Enabled Teaching and Learning Training of Teachers (IFPS, Smart TVs, Usage of BYJU'S, e-Content), from 03/07/2023 to 13/07/2023



OBE (Outcome Based Education) presentation by Dr.S.N.Tirumala Rao (HOD) Sir on 11-08-2023.



NBA meeting held on 23rd August and Internal Audit held on 25th August.



Research and Development (R&D) Inspection Meeting conducted on 03-10-2023.



HavaldharRishipal Singh 23(A) Bn NCC Unit, Chirala attended as chief guest for77th Independence Day Celebrations organized by Department of Computer Science and Engineering on 15-08-2023.



2-day BOOTCAMP + 24 hours Hackathon Front End Web Development training program conducted for II/I CSE A & C sections from 30th Oct to 1st Nov 2023 Organized by IQAC & Department of Computer Science and Engineering in Association with CSI, ACM. In this codefest 22 students out of 136 got prizes.



Dr. S. Sagar Imambi, Professor in CSE Department, K L University has attended as a Judge on 1st November 2023 for "2-day BOOTCAMP + 24 hours Hackathon Front End Web Development".



II CSE Lateral Entry Students has visited the Mittapalli Spinners Limited, Kotappakonda Road, Chinnaturakapalem (Village), Ellamanda (Post), Narasaraopet (Mandal), Palnadu (District), 522601 on 10-11-2023.

2-day BOOTCAMP + 24 hours Hackathon Innovative Web Development training program conducted for II/I CSE B & D sections from 06th to 08th Nov – 2023 Organized by IQAC & Department of Computer Science and Engineering in Association with CSI, ACM.
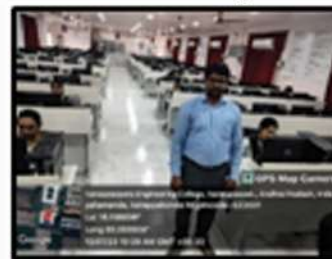


Prof. V. Mahesh Babu, Controller of Examinations, Department of CSE has attended as a Judge on o8th November 2023 for "2 day BOOTCAMP + 24 hours Hackathon Innovative Web Development.



A 3 Day Workshop on INNOVATIVE Problem Flow Design Using DIA Tool conducted for I/I CSE A & B Sections students on 01st, 02nd & 04th December, 2023.



18 Hours CODEATHON conducted for I/I CSE C & D Sections students on 05th to 07th December, 2023.



A 3 Day Workshop on INNOVATIVE PROBLEM-SOLVING SKILLS conducted for I/I CSE E & F Sections students on 10th to 12th December, 2023.



**FACULTY ACHIEVEMENTS:**

Uniaway Study Abroad Simplified program conducted on 06/07/2023.

Narasaraopeta Engineering College (Autonomous) In Association with Institution's Innovation Council Short Video Competition on Implementation of NEP 2020. Theme:"NEP Ki Samajh" on 14/07/23.



IV/I Asset Sense placement drive conducted on 12/07/23.



IBM HACKATHON 2023 CHALLENGE review conducted on 27-07-2023.



Art of Living training classes conducted to II/I CSE students from 9th August 2023 to 11th August 2023 by Manoj J, Yoga teacher, Blue Yonder Company, Hyderabad, Contact Number - 70197 30806.



20 batches of students from III CSE and IV CSE selected for IBM Hack Challenge.

P. Kavya from III CSE has participated in the event Essay Writing and won the I prize conducted on the occasion of 77th Independence Day Celebrations.

B. Supriya from III CSE has participated in the event Essay Writing and won the II prize conducted on the occasion of 77th Independence Day Celebrations.



Ch. Prasadu from II CSE has participated in the event Painting Competition and won the II prize conducted on the occasion of 77th Independence Day Celebrations.



P. Hari Babu from II CSE has participated in the event Painting Competition and won the III prize conducted on the occasion of 77th Independence Day Celebrations.



T. Bhuvanesh from II CSE has participated in the event Yuva Tarang Competition and won the I prize conducted on the occasion of 77th Independence Day Celebrations.



Vasavi from II CSE has participated in the event Yuva Tarang Competition and won the II prize conducted on the occasion of 77th Independence Day Celebrations.



K. John Wesley from II CSE has participated in the event Yuva Tarang Competition and won the III prize conducted on the occasion of 77th Independence Day Celebrations.



Dr. Lakshmi Gottipati MS OBG, ICOG (Infertility), Kadiyala Hospitals, Narasaraopeta interacted with students about A Talk on HEALTH AND HYGIENE on 17-08-2023.



Bindhu Madhavi Pavalla, Founder & CEO – Yonger Talks – Nandyal( District), Youngertalks@gmail.com, 9059104597, 7013131660 interacted with II/I CSE students for profession guidelines.



IBM Hack Challenge training session conducted by Dr. A. V. Nageswar Rao on 18-08-2013.

IBM Hack Challenge training session conducted by Mohammad Shanawaz Anwar, contact No - 8179910986, K.Moses, contact No – 8897443978, Sai Siddharth, contact No – 9441730912, Machine Learning Engineers from Smart Bridge, Hyderabad on 22-08-2013.



Infosys Springboard meeting conducted for II CSE students on 24th August.



VisAI Labs written test conducted on 01-09-2023 for IV B. Tech students.

THE ART OF LIVING HAPPINESS PROGRAM Organized by IQAC & Departments of Computer Science and Engineering, CSE (AI, AI & ML, DS, CS), IT, Organizer R. Ramya Sindhu (Senior Software Engineer) conducted from 30th Aug to 2nd Sep 2023 1:30 PM to 4:00 PM for II CSE Students.
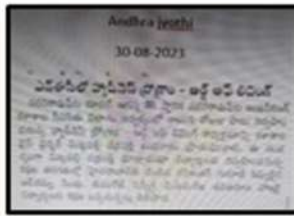


IV CSE students are teaching to III CSE students in A TWO-WEEK WORKSHOP on REACT JS (PEER LEARNING) from 11th - 23rd September 2023 organized by Departments of CSE, CSE (AI, AI & ML, DATA SCIENCE, CYBER SECURITY) & IT.



M.Tech final review conducted on 22-09-2023.

1   Team from III CSE selected in top 10 for IBM CHALLENGE.
    ID: 10259
    Team name: Analytics Alliance
    Team members
      I.  Manepalli Yuva Sravani
          21471A05H6@nrtec.in
          +91 8019501381
     II.  Kothamasu Thrylokya
          21471A05H1@nrtec.in
          8106933755
    III.  Bijjala Sirisha
          21471A05J7@nrtec.in
          8008811280
     IV.  Sure Venkata Jhansi Lakshmi
          21471a05j9@nrtec.in
          9553054765

90% Global Economic Data: Comprehensive Analysis and Insights Approved. Narasaraopeta engineering college.



M.Tech panel conducted on 26-09-2023.
CSE students Bijjala Sirisha, Kothamasu Thrylokya, Manepalli Y. Sravani, and Sure VJ Lakshmi has got 2 awards Top Diversity Team and Runners up Team from IBM Hack Challenge 2023.



Kapil IT Skill Hub team members Shaik Afzal (GM), Shaik Saida from Hyderabad interacted with III CSE students for career guidelines on 25-11-2023.



Yaganti Mounika Prasanna Lakshmi, Roll No – 19471A05D0 from CSE Department has successfully completed all the requirements to be recognized as a Google Cloud Certified Associate Cloud Engineer.

AP21SDA 403727, Rank - CPL, Name – THANINKI AKHIL, Unit – 23(A)BN, CHIRALA NCC Directorate AP & Telangana of NARA-SARAOPETA ENGINEERING COLLEGE, ROLL NUMBER – 21471A05K3 was attached to 13 PUNJAB <JIND>, 76 INF BDE from 14 JULY 2023 to 23 JULY 2023.

AP21SDA 403720, Rank - CMS, Name – KALIGIRI HARSHA VARDHAN, Unit – 23(A)BN, CHIRALA NCC Directorate AP & Telangana of NARASARAOPETA ENGINEERING COLLEGE, ROLL NUMBER – 21471A05G1 was attached to 13 PUNJAB <JIND>, 76 INF BDE from 14 JULY 2023 to 23 JULY 2023.

AP21SDA 403721, Rank - CDT, Name – KANDULA RAJESH, Unit – 23(A)BN, CHIRALA NCC Directorate AP & Telangana of NARA-SARAOPETA ENGINEERING COLLEGE, ROLL NUMBER – 21471A05G2 was attached to 13 PUNJAB <JIND>, 76 INF BDE from 14 JULY 2023 to 23 JULY 2023.

AP22SDA 403729, Rank - CDT, Name – PIDATHALA RAMESH BABU, Unit – 23(A)BN, CHIRALA NCC Directorate AP & Telangana of NARASARAOPETA ENGINEERING COLLEGE, ROLL NUMBER – 21471A05G2 was attached to 13 PUNJAB <JIND>, 76 INF BDE from 14 JULY 2023 to 23 JULY 2023.

2019 passed out student A Anusha, Software Engineer, Wipro Hyderabad addressed and motivated the I CSE students on 29-12-2023.

Katari Thanmai, Roll No – 22471A05G1 and Guggilam Chinmayee, Roll No – 22471A05F7 has got Participation Certification for participating in Smart India Hackathon, 2023.

## Training Programs and Drives:

| S.no | Dept. | Year | Training | Duration |
|------|-------|------|----------|----------|
| 1. | CSE | 4-1 | IELTS | 12-07-2023 to 13-07-2023 |
| 2 | CSE | 3-1 | IELTS | 12-07-2023 to 13-07-2023 |
| 3 | CSE | 4-1 | TCS Azure | 04-08-2023 to 19-08-2023 |
| 4 | CSE | 3-1 | CRT Training | 21-08-2023 to 02-09-2023 |
| 5. | CSE | 2-1 | CRT Training | 03-10-2023 to 18-10-2023 |
| 6. | CSE | 4-1 | Accenture training | 14-11-2023 to 19-11-2023 |
| 7. | CSE | 3-1 | CRT Training | 18-12-2023 to 30-12-2023 |

IV CSE students Chimakurthi Likhitha Bhavya Roll No - 20471A05K4, Batchu Thanusha Roll No - 20471A05J9, Tadavarthi Rukmini Gayathri Roll No - 20471A0561 and Venkata Naga Sampath Pasumarthi Roll No - 20471A05A5 has selected in placement drive by PEPSICO Campus Recruitment team.

The following number of students selected for different companies in placement drives.

| S.No | Company Name | Number of Selected Students |
|------|--------------|-----------------------------|
| 1 | Accenture | 48 |
| 2 | Coapps | 24 |
| 3 | Tap academy | 15 |
| 4 | Rinex Technologies | 13 |
| 5 | Go digit | 1 |
| 6 | Amdocs | 1 |

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

ATBI MOU Inspection on 12/07/2023, III/I CSE Students participated PPT presentations

M. Manikanta, Roll No : 22471A05H2, N. Vinay, Roll No: 22471A05I4, P. V. Dhanush, Roll No: 22471A05H9, II/I CSE students of Narasaraopeta Engineering College has won 1st prize in Tech Trek(2023-2024) organized by VVIT GUNTURACM Student Chapter.

T. Vincent Reddy, Roll No: 20471A0563 IV/I CSE student of Narasaraopeta Engineering College has won 1st prize in Digital Detectives (2023-2024) organized by VVIT GUNTURACM Student Chapter.

Ch. Satvika Jahnavi from II CSE has participated in the event Essay Writing and won the I prize conducted on 31-05-2023 on the eve of World Environment day.

P. Yagna Priya from II CSE has participated in the event Essay Writing and won the III prize conducted on 31-05-2023 on the eve of World Environment day.

P. V. Naveen from II CSE has participated in the event Poster Presentation and won the I prize conducted on 31-05-2023 on the eve of World Environment Day.

G. Sai Kalpana, B. Sindhu Sri, N. Keerthi, S. Tejaswini from IV B.Tech and Ch. John Wesly from II B.Tech has participated in Sports Meet 2K23 held on 14-08-2023 and secured Kabbadi, Winners in MAM COLLEGE OF PHARMACY, Kesanupalli.

G. Sai Kalpana, B. Sindhu Sri, N. Keerthi, S. Tejaswini from IV B.Tech and Ch. John Wesly from II B.Tech has participated in Sports Meet 2K23 held on 14-08-2023 and secured Throwball, Runners in MAM COLLEGE OF PHARMACY, Kesanupalli.

P. Venkata Naveen, G. Gandhi Kumari, G. Chinmayee, K. Kaveri of B. Tech II year from CSE branch has enthusiastic participation, and unwavering support throughout "Design Venture: A 24-hour design challenge" held at from 18th August to 19th August 2023 at Vasireddy Venkatadri Institute of Technology, Numbur.

II CSE - D Section students attended for WORLD ENTREPRENEURS' DAY program organized by IQAC & Department of Mechanical Engineering on 21st August 2023.




CH. CHARAN TEJA, Roll No – 22471A0513 from II B.Tech of CSE branch has participated and got Certificate of Merit in A NATIONAL LEVEL INTER-ENGINEERING COLLEGIATE TOURNMENT in SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE SILVER JUBILEE CELEBRATIONS (1998-2023) held during 18 – 20 November 2023 and has secured THIRD position in ROPE SKIPPING DOUBLE TOUCH SPEED RELAY (MEN) event.



CH. CHARAN TEJA, Roll No – 22471A0513 from II B.Tech of CSE branch has participated and got Certificate of Merit in A NATIONAL LEVEL INTER-ENGINEERING COLLEGIATE TOURNMENT in SESHADRI RAO GUDLA-VALLERU ENGINEERING COLLEGE SILVER JUBILEE CELEBRATIONS (1998-2023) held during 18 – 20 November 2023 and has secured THIRD position in ROPE SKIPPING - SPEED SPRINT RELAY (MEN) event.

S.L.V.S PAVAN KUMAR (Roll No – 20471A0560) and SK. SHAHID (Roll No – 20471A05B7) from IV B.Tech of CSE branch has participated and got Certificate of Merit in BADMINTON (M) team in the JNTUK Central Zone Intercollegiate Tournament cum Selection Trials held at Sir C.R.Reddy College of Engineering, Eluru on 24th, 25th & 26th November 2023 and secured WINNERS place.
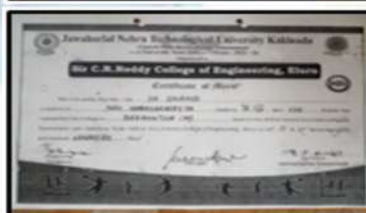





## MOOCs Certifications:

| MOOCs Certifications | | | |
|---|---|---|---|
| Academic Year | Name of Certification | No.of Certifications | Total |
| 2023 - 24 | Infosys Spring Board | 217 | 404 |
| | Hacker RanK | 187 | |
| 2022 - 23 | Sololearn | 926 | 2699 |
| | MTA | 993 | |
| | Oracle Academy | 780 | |
| 2021 - 22 | Coursera | 420 | 1149 |
| | MANGO DB | 698 | |
| | NPTEL | 31 | |
| 2020-21 | Coursera | 20 | 1386 |
| | Sololearn | 739 | |
| | Spoken Tutorial | 110 | |
| | NPTEL | 12 | |
| | APSSDC | 505 | |

## Academic Toppers






## ALUMINI VOICE:

As an alumnus of Narasaraopeta Engineering College, I am incredibly proud of the education and experiences I gained during my time there. The college has a dedicated faculty that is committed to providing quality education and fostering a supportive learning environment. The campus infrastructure is well-equipped with modern facilities, including labs and libraries, which greatly enhance the learning process.One of the standout aspects of the college is its focus on practical learning through various projects, workshops, and industry interactions. This not only helped me gain a strong theoretical foundation but also allowed me to apply my knowledge to real-world scenarios. The college also encourages extracurricular activities, providing opportunities to participate in events and competitions. These experiences helped me develop important skills beyond academics and build a well-rounded personality. While my time at Narasaraopeta Engineering College was enriching, like any institution, there were occasional challenges. However, the overall support system provided by the faculty and administration helped me overcome these challenges and grow both personally and professionally. In conclusion, Narasaraopeta Engineering College holds a special place in my heart as it played a pivotal role in shaping my career and personal growth. I am grateful for the education and memories I gained there, and I would highly recommend it to aspiring students seeking a solid educational foundation and a nurturing environment to thrive in.



**Roshni Syed**
(16471A05G6)
Hexaware
Chennai

## STUDENT VOICE:

Narasaraopeta Engineering college stands as a symbol of academic excellence and innovation. The college offers a diverse range of engineering courses. I am very happy to be a partof this institute. Its contemporary infrastructure includes well-equipped laboratories, e-class rooms. NEC ensures that students are well-prepared to face the challenges in professional life by providing training to the students using the ByteXl tools and CodeMind coding platform.NEC focuses on practical learning rather than theoretical learning by conducting various type of workshops, hackathons and other events frequently.It is one of the best place to study.



**Ch. Likhitha Bhavya**
(20471A05K4)

## 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:

### Computing Power:

Computing power has already established its place in the digital era, with almost every device and appliance being computerized. And it's here for even more as data science experts have predicted that the computing infrastructure we are building right now will only evolve for the better in the coming years. At the same time, we have 5G already; gear up for an era of 6G with more power in our hands and devices surrounding us. Even better, computing power is generating more tech jobs in the industry but would require specialized qualifications for candidates to acquire. From data science to robotics and IT management, this field will power the largest percentage of employment in every country. The more computing our devices will need, the more technicians, IT teams, relationship managers, and the customer care economy will flourish.

One essential branch under this field that you can learn today is RPA, i.e. Robotic Process Automation. At Simplilearn, RPA is all about computing and automation software that can train you for a high-paying role in the IT industry. Here are the top jobs you can target after RPA:

1. Data Scientist
2. AI Engineer
3. Robotics Researcher
4. AI Architect
5. Robotics Designer

Elevate your expertise in the digital age through our cutting-edge Cyber security Boot camp. Stay two steps ahead of cyber threats as you immerse yourself in hands-on training, mastering the latest defines strategies and ethical hacking techniques. Join us to become the guardian that every digital realm needs.

## FACULTY FOCUS:

### Publications/ Conferences/FDP:

1. Dr.B.Jhansi Vazram was participated in One Week FDP on Machine Learning, Organized by Department of Artificial Intelligence and Data Science,Computer Engineering,Dr.D.Y.Patil Institute of Engineering and Management Research, Akurdi from 10th july to 14th july 2023.

2. Dr.B.Jhansi Vazram was participated in One Week FDP on Machine Learning, Organized by Department of Artificial Intelligence and Data Science,Computer Engineering,Dr.D.Y.Patil Institute of Engineering and Management Research, Akurdi from 10th july to 14th july 2023.

3. MULE RAMAKRISHNA REDDY was participated in 6 days online Faculty Development Program on "Machine Learning in Pratcice held from 19th june to 24th june ,2023 at LBRCE,Mylavaram.

4. Dr.B.Jhansi Vazram was participated in 4th International Conference on Data Science and Applications (ICDSA-2023) held during July-14-15 on Machine Learning Models for Chronic Renal Prediction, Organized by Malaviya National Institute of Technology Jaipur.

5. Sk.Mohammedjany wasparticipated in 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision organized by CBIT (Hyderabad) in Collaboration with ExcelR during 10th July-28th July 2023.

6. U.Vijay Kumar wasparticipated in 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision organized by CBIT (Hyderabad) in Collaboration with ExcelR during 10th July-28th July 2023.

7. P.Neelimawasparticipated in 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision organized by CBIT (Hyderabad) in Collaboration with ExcelR during 10th July-28th July 2023.

8. G.Venkateswara Rao wasparticipated in 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision organized by CBIT (Hyderabad) in Collaboration with ExcelR during 10th July-28th July 2023.

9. Mule Ramakrishna Reddy was participated in 1st International Conference on Emerging Technologies in Engineering and Science (ICETES-2023) on Brain Tumor Detection using CNN, organized by DVR &Dr.HS MIC College of Technology (Autonomous), Kanchi-kacherla, held during 11th to 12th Aug 2023.

10. G.Venkateswara Rao got Academic Excellence award Certificate in the Department of CSE-AI in recognition of outstanding Achievement in Advanced Java and Web Technologies (3-2) for the academic year 2022-23 on the eve of Teacher's Day on 05-09-2023.

11. Sk.MohammedJany got Academic Excellence award Certificate in the Department of CSE-AI in recognition of outstanding Achievement in Machine Learning (3-1) for the academic year2022-23 on the eve of Teacher's Day on 05-09-2023.

12. Sk.MohammedJany got Academic Excellence award Certificate in the Department of CSE-AI in recognition of outstanding Achievement in Data Science (2-1) for the academic year 2022-23 on the eve of Teacher's Day on 05-09-2023.

13. U.Vijay Kumar got Academic Excellence award Certificate in the Department of IT in recognition of outstanding Achievement in Cloud Computing (3-2) for the academic year 2022-23 on the eve of Teacher's Day on 05-09-2023.

14. MULE RAMAKRISHNA REDDY was participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College in collaboration with Brain Vision Solutions India Pvt Ltd and AICTE during the period of 21st Aug to 25th Aug 2023.

15. MOHAMMEDJANY SHAIK was participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College in collaboration with Brain Vision Solutions India Pvt Ltd and AICTE during the period of 21st Aug to 25th Aug 2023.

16. JAYAPRAKASH KOYYALAMUDI was participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College in collaboration with Brain Vision Solutions India Pvt Ltd and AICTE during the period of 21st Aug to 25th Aug 2023.

17. UPPALA VIJAY KUMAR was participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College in collaboration with Brain Vision Solutions India Pvt Ltd and AICTE during the period of 21st Aug to 25th Aug 2023.

18. SIREESHA KAMBHAMPATI was participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College in collaboration with Brain Vision Solutions India Pvt Ltd and AICTE during the period of 21st Aug to 25th Aug 2023.

19. SANTHI PENDEM was participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College in collaboration with Brain Vision Solutions India Pvt Ltd and AICTE during the period of 21st Aug to 25th Aug 2023.

## MOUs:

IT & CSE (AI) Department had conducted a One Week Faculty Development Program on Amazon Web Service (AWS) from 7th June-13th June 2023.

20. POLAVARAPU NEELIMA was participated in the One Week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Narasaraopeta Engineering College in collaboration with Brain Vision SolutionsIndia Pvt Ltd and AICTE during the period of 21st Aug to 25th Aug 2023.

21. Dr.JhansiVazramBolla was participated in 5 days online STTP on Data Science for Business,organized by Department of AI &DS,VIIT,Pune held in online mode from 4th Sep 2023 – 8th Sep 2023

22. U.Vijay Kumar was participated in 5 days online STTP on Data Science for Business, organized by Department of AI & DS, VIIT,Pune held in online mode from 4th Sep 2023 – 8th Sep 2023.

23. P.Vijaya Lakshmi was Participated in 10 hours National Faculty Development Program on Learning for NLP and Computer Vision, organized by NIST Institute of Science and Technology (Autonomous), during 25th Oct to 31st Oct 2023.

24. P.Naga Lakshmi was Participated in 10 hours National Faculty Development Program on Learning for NLP and Computer Vision, organized by NIST Institute of Science and Technology (Autonomous), during 25th Oct to 31st Oct 2023.

25. Dr.B.JhansiVazram was Participated in One Week Faculty Development Program on Salesforces Platform Development-1,conducted by ICT Academy from 18th Dec 2023-22nd Dec 2023 at Narasaraopeta Engineering College.

26. K.Jaya Prakash was Participated in One Week Faculty Development Program on Salesforces Platform Development-1, conducted by ICT Academy from 18th Dec 2023-22nd Dec 2023 at Narasaraopeta Engineering College.

27. T.VenkataManohar was Participated in One Week Faculty Development Program on Salesforces Platform Development-1,conducted by ICT Academy from 18th Dec 2023-22nd Dec 2023 at Narasaraopeta Engineering College.

## FACULTY ACHIEVEMENTS



NPTEL-AICTE Faculty Development Programme Certificate was awarded to P. NEELIMA for successfully completing the course on Database Management System.



Dr B. Jhansi Vazram (HOD) was received a Performance and Contribution Institution award from IBM Skills Build Hack Challenge- 2023 on 13-10-2023

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



Department was conducted an Anti –Drug Event on 26-06-2023.



Department was conducted an UNI AWAY Study Abroad Simplified on 06-07-2023.

Department was conducted a One Week Workshop on HANDS ON PROJECTS IN DEVOPS in Association with VJ TECHNOLOGIES from 10th to 15 July 2023





Department was conducted a CRC meeting for IV BTECH I SEM OF IT & AI on 19-07-2023.

Department was conducted a CRC meeting for III BTECH I SEM OF IT & AI on 27-07-2023.





Dr.B.Jhansi Vazram (HOD) was presented an awareness program on OBE (Outcome Based Education) on 11-08-2023.

Department was celebrated a 77th Independence Day Celebrations on 15-08-2023.





Dr.B.JhansiVazram (HOD) was presented an awareness program on CO-PO Mapping on 16-08-2023

Department was conducted an Internal Audit on 26-08-2023





Department was Celebrated a Teacher's Day on 05-09-2023.

HOD was discussed about NBA Accreditation Inspection on 08-09-2023.

Department was celebrated an Engineer's Day on 15-09-2023.

Department was conducted an Essay Writing CompetitionDepartment was conducted a plantation program day on the occasion of National Unity Day on 30-10-2023. on the occasion of National Unity Day on 30-10-2023.

Department was conducted a National Unity Day on 31-10-2023.

CRC Meeting (2nd) was conducted for IV B.TECH I Sem of AI on 29-10-2023.

CRC Meeting (2nd) was conducted for IV B.TECH I Sem of IT on 29-10-2023

Department was participated in National Stress Awareness Day on 01-11-2023.

Department was celebrated a Orientation day on 30-09-2023

Department was participated in Blood Grouping Programme on 02-11-2023.

Department was celebrated a Graduation day on 30-09-2023

Department was conducted a CSP Review for IV B.TECH I Sem of IT & AI on 04-11-2023.

CRC Meeting was conducted for III B.TECH I SEM OF IT on 04-10-23.

Department was conducted a CSP Review for IV B.TECH I Sem of IT & AI on 04-11-2023.

CRC Meeting was conducted for III B.TECH I SEM OF AI on 04-10-23.

Department was conducted an ISO Files Internal Audit on 01-12-2023.

Department was conducted an Essay Writing Competition on the occasion of National Unity Day on 30-10-2023.

Department was celebrated a World AIDS Day on 01-12-2023.

## STUDENT FOCUS:

Asset Sense Drive Written Test was conducted for IV B.TECH I SEM of IT & AI on 12-07-2023.





IV B.TECH I SEM of IT & AI Students Were Participated in PPT Presentation organized by NEC,Tech Hub on 12-07-2023

Department was conducted an IBM HACKATHON Challenge Review for III B.TECH I SEM of IT & AI on 25-07-2023.





Department was celebrated a Prizes distribution to Winners of Tech-Waves (An Innovative Code Contest) Event on 10-11-2023.

Department was conducted A One Week Hands On Boot Camp on Cyber Security from 04-12-2023 to 09-12-2023.



CODE-A-THON: A Six Day Workshop on PROBLEM SOLVING USING C followed by Hackathon"– was conducted for I B.Tech. IT&CSE(AI)- A&B Students during 18th-23rd December, 2023 organized by Department of IT & CSE(AI) and prizes were distributed to the top performers in the Hackathon.





3rd year CSE(AI) students were participated in One Week Faculty Development Program on Salesforces Platform Development-1,conducted by ICT Academy from 18th Dec 2023-22nd Dec 2023 at Narasaraopeta Engineering College.



Zeroth Review was conducted for IV B. TECH II SEM of IT & CSE (AI) on 27-12-2023.



3rd year CSE(AI) students (G. Mani Chandana, G.Chaitanya, G.Srimannarayana,N.BhaskarReddy,A.V.Nagheswara Rao) were participated in SmartInidaHackathon(SIH) and obtain certificate at LPU University at Punjab from 19th Dec 2023-23rd Dec 2023.





## TRAINING PROGRAMS AND DRIVES:

| S. no | Dept. | Year | Training | Duration |
|---|---|---|---|---|
| 1. | IT&CSE(AI) | 4-1 | IELTS | 10-07-2023 |
| 2 | IT&CSE(AI) | 4-1 | General TCS | 04-08-2023 to 19-08-2023 |
| 3 | IT&CSE(AI) | 4-1 | TCS Azure | 04-08-2023 to 19-08-2023 |
| 4 | IT&CSE(AI) | 3-1 | CRT Training | 21-08-2023 to 05-09-2023 |
| 5. | IT&CSE(AI) | 2-1 | Tech Hub Training | 31-08-2023 to 02-09-2023 |
| 6. | IT&CSE(AI) | 2-1 | CRT Training | 03-10-2023 to 14-10-2023 |
| 7. | IT&CSE(AI) | 3-1 | CRT Training | 18-12-2023 to 30-12-2023 |

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

### CO-CURRICULAR ACTIVITIES:

2nd & 3rd year IT students were participated in SPARDHA (NATIONAL LEVEL ACM TECH FEST) on 10-08-2023, organized by VVIT, NAMBUR.

2nd year IT students were participated in Flipped Learning Program on 11-08-2023.

NSS was conducted a Free Diabetic Test on 22-09-2023.

2nd year IT & AI Students were participated in Eassy Writing Competition Program on 11-08-2023.

2nd Year AI students were participated in Women Empowerment Seminar, presented by Dr.G. Lakshmi on 17-08-2023.

3rd year CSE(AI) students (G.ManiChandana, G.Chaitanya, G.Srimannarayana,N.BhaskarReddy,A.V.Nagheswara Rao) were participated in SmartInidaHackathon(SIH) and obtain certificate at LPU University at Punjab from 19th Dec 2023- 23rd Dec 2023.

## ACADEMIC TOPPERS

2nd Year IT students were participated in Innovation Day Competition on 13-10-2023.

2nd year IT &CSE(AI) students were participated in Entrepreneurship Day on 09-11-2023.

## ALUMNI VOICE:

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

**E. Prasanna HariGopal**
(1947IA1214)
Company: Nagarro Trainee Teesay
Role: Associate Software Engineer
Location: Hyderabad

## NSS ACTIVITIES:

2nd Year AI students were participated in NSS (Meri Maati Mera Desh) Program on 09-08-2023.organized by IQAC and NSS.

## STUDENT VOICE:

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

**S.Asritha**
20471A4354
IV B.TECH I SEM -CSE(AI)

## 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 Intelligent Systems and Applications in Engineering(IJISAE), ISSN 2147-6799, July 2023.

## FDPS ATTENDED:

• One week ATAL Faculty Development Program on "Full Stack Web Development with MS Azure Cloud" under TechSaksham in collaboration with Microsoft, SAP & AICTE during 4th – 9th , September, 2023.

• One week National Level Faculty Development Program on Cloud Infrastructure (AWS) Organized by Brainovision Solutions India (P) Ltd. in collaboration with AICTE during 21st – 25th , August, 2023.

## FACULTY ACHIEVEMENT:

• The following has successfully completed One week National Level Faculty Development Program on Cloud InfrastructureDr.VVAS Lakshmi

• The following faculty attend for One week National Level Faculty Development Program on Cloud Infrastructure (AWS) Organized by Brainovision Solutions India (P) Ltd. in collaboration with AICTE during 21st – 25th , August, 2023.

A. Dr.VVAS Lakshmi

B. P. Srinivasa Rao

Dr. VVAS Lakshmi has completed one week ATAL Faculty Development Program on "Full Stack Web Development with MS Azure Cloud" under Tech Saksham in collaboration with Microsoft, SAP & AICTE during 4th – 9th, September, 2023

## WEBINARS, WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

### ORGANIZED PROGRAMS
### APSSDC

The department of CSE (AIML) organized A workshop on AWS CLOUD Computing in association with APSSDC during 31- 07-2023 to 05-08-2023

The department of CSE (AIML) organized A campus recruitment program in associated with Bytexl during 02-10-23 to 18-10-23 the department of CSE (AIML) organized a special training program TPC and Bytexl. From 31-08-2023 to 02-09-2023 and an online training program during Thursday & Friday.
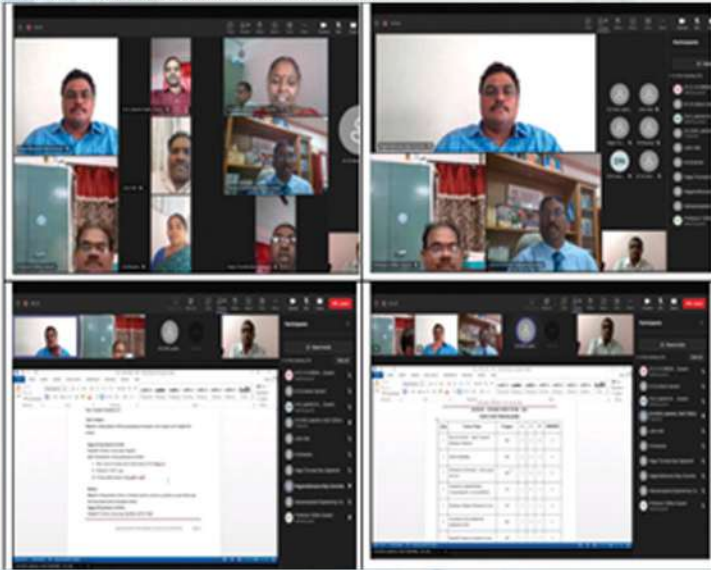
The department of CSE (AIML) conducted a BoS meeting for approval of Ist Year Syllabus of R23 regulations on 25-09-2023
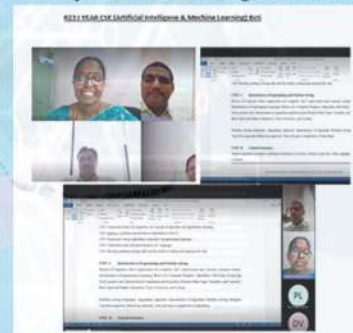
The department of (AIML) conducted a BoS meeting for approval of Ist Year Syllabus of R23 regulations on 26-09-20233

Class Review Conducted was meeting on 16-09-2023





## STUDENT FOCUS
### NPTEL Course Details

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

DRM Guru Kalyan secured gold medal and the senior age group in Taekwondo and 54kg weight category in the 3rd A.P State Taekwondo Junior and Senior Inter District and Championship 2023 from 16th Sep to 17th Sep 2023, Bodhi Dharma Taekwondo academy, Repalle, Organized by Taekwondo Guntur District Association.

## EXTRA CIRRCULAR ACTIVITIES
## STUDENT ACHIEVEMENTS:-

## INFOSYS CERTIFICATION

From our department 38 students have been successfully completed "Python Foundation certification program offered by Infosys"

## ESSAY WRITING COMPETITION



## PAINTING & PHOTOGRAPHY PHOTOS



## PAINTING IMAGES



## PROTOTYPE CLUB IMAGES



P. HARI BABU GOT THIRD PRIZE IN PAINTING COMPETITIONS

## SIH TEAM

### THEAM: STUDENT DROPOUT ANALYSIS

1. KAVYA – 22471A4228
2. BHAGYA SRI - 22471A4201
3. NIHARIKA - 22471A4203
4. GNANASRI - 22471A4227
5. SRINIVASA RAO - 22471A4234
6. KARTHIK - 22471A4222

## THEAM: WATER & ELECTRICITY TRACKING APP

1. KOTESWARA RAO – 22471A4247
2. GOPI SANKAR - 22471A4236
3. SURYA SAI SREE - 22471A4224
4. ANITHA - 22471A4248
5. NAGA LAKSHMI - 22471A4220
6. PUJITHA - 22471A4213

## THEAM: DOMESTIC WASTE MANAGEMENT

1. FAYAZ – 22471A4241
2. MANOHAR - 22471A4240
3. BHARADWAJ - 22471A4232
4. SHAFI - 23475A4203
5. GEETHANJALI - 23475A4206
6. ABDUL VAHID - 23475A4205

## THEAM: TRAVEL & TOURISUM

1. MUVVA HASINI – 22471A4233
2. JADA VIJAY – 22471A4211
3. D.R.S.M.G. KALYAN – 22471A4205
4. PARIMI HARIBABU – 22471A4238
5. M. SHANMUKHA NANDA – 22471A4229
6. TANNEERU SWAPNA – 22471A4249

## ACADEMIC TOPPERS :

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



### Student 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.

**J. Richard Mark**
**22471A4212**

## Vision

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

## Mission

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

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

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

## STUDENT STRENGTH PARTICULARS

• 2022 Batch (Regular) - 51
• 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 Intelligent Systems and Applications in Engineering(IJISAE), ISSN 2147-6799, July 2023.

## FDPS ATTENDED:

• One week ATAL Faculty Development Program on "Full Stack Web Development with MS Azure Cloud" under TechSaksham in collaboration with Microsoft, SAP & AICTE during 4th – 9th , September, 2023.
• One week National Level Faculty Development Program on Cloud Infrastructure (AWS) Organized by Brainovision Solutions India (P) Ltd. in collaboration with AICTE during 21st – 25th , August, 2023.
• 30 hours National Faculty Development Program on "Cyber Security" organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR Edtech during 25th Sep–14th Oct, 2023

## FACULTY ACHIEVEMENT:

• The following has successfully completed One week National Level Faculty Development Program on Cloud Infrastructure Dr.VVAS Lakshmi
• The following faculty attend for One week National Level Faculty Development Program on Cloud Infrastructure (AWS) Organized by Brainovision Solutions India (P) Ltd. in collaboration with AICTE during 21st – 25th , August, 2023.
A. Dr.VVAS Lakshmi & B. P. Srinivasa Rao



Dr. VVAS Lakshmi has completed one week ATAL Faculty Development Program on "Full Stack Web Development with MS Azure Cloud" under Tech Saksham in collaboration with Microsoft, SAP & AICTE during 4th – 9th, September, 2023.



DandaSreekanth for successfully completed the online certification course C Programming and Assembly Language offered by NPTEL.

## FACULTY FOCUS
## INTERNATIONAL JOURNALS:

### ORGANIZED PROGRAMS

### APSSDC

The department of CSE (CS) organized A workshop on AWS CLOUD Computing in association with apssdc during 31- 07-2023 to 05-08-2023



The department of CSE (CS) organized A campus recruitment program in associated with Bytex during 02-10-23 to 18-10-23 the department of CSE (CS) organized a special training program TPC and bytex. From 31-08-2023 to 02-09-2023 and an online training program during Thursday & Friday.

**11-10-2023**

**12-10-2023**

The department of CSE (CS) conducted a BoS meeting for approval of Ist Year Syllabus of R23 regulations on 26-09-2023



R23 I YEAR CSE (Cyber Security) BoS

## STUDENT FOCUS
## NPTEL Course Details

• The following has successfully completed One week National Level Faculty Development Program on Cloud Infrastructure Dr.VVAS Lakshmi
• The following faculty attend for One week National Level Faculty Development Program on Cloud Infrastructure (AWS) Organized by Brainovision Solutions India (P) Ltd. in collaboration with AICTE during 21st – 25th , August, 2023.
A. Dr.VVAS Lakshmi
B. P. Srinivasa Rao

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

## EXTRA CIRRCULAR ACTIVITIES
## STUDENT ACHIEVEMENTS:-



**Class Review Conducted was meeting on 07-09-2023**



DEPARTMENT OF CSE (CYBER SECURITY) - CRC MEETING

## INFOSYS CERTIFICATION

From our department 14 students have been successfully completed "Python Foundation certification program offered by Infosys"

2nd Year CS Student NandipatiPujithahave been selected for the TechnoHacksEduTech Internship Program.

## Internship Details
**Domain: Python Development**
**Duration: 4 weeks**
**Date of Starting: 01/12/2023**

## ESSAY WRITING COMPETITION



## PAINTING & PHOTOGRAPHY PHOTOS



## PAINTING IMAGES



## WINNER OF THE MODELS & PROTOTYPE CLUB IMAGES



## SIH TEAM

TITLE: GAME CONQUERS
1. B. JAGADEESH – 22471A4605
2. N. PUJITHA - 22471A4633
3. R. MANOJ KUMAR - 22471A4639
4. S. PUJITHA - 22471A4642
5. V. ANITHA- 22471A4650
6. K. AJAY KUMAR - 23475A4602

## ACADEMIC TOPPERS:

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



### Student 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.



*N.Pujitha*
22471A4633

# 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) - 3

## 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 Intelligent Systems and Applications in Engineering(IJISAE), ISSN 2147-6799, July 2023.

## FDPS ATTENDED:

• One week ATAL Faculty Development Program on "Full Stack Web Development with MS Azure Cloud" under TechSaksham in collaboration with Microsoft, SAP & AICTE during 4th – 9th , September, 2023.

• One week National Level Faculty Development Program on Cloud Infrastructure (AWS) Organized by Brainovision Solutions India (P) Ltd. in collaboration with AICTE during 21st – 25th , August, 2023.

## FACULTY ACHIEVEMENT:

• The following has successfully completed One week National Level Faculty Development Program on Cloud Infrastructure Dr.VVAS Lakshmi

• The following faculty attend for One week National Level Faculty Development Program on Cloud Infrastructure (AWS) Organized by Brainovision Solutions India (P) Ltd. in collaboration with AICTE during 21st – 25th , August, 2023.

A. Dr.VVAS Lakshmi

B. P. Srinivasa Rao

Dr. VVAS Lakshmi has completed one week ATAL Faculty Development Program on "Full Stack Web Development with MS Azure Cloud" under Tech Saksham in collaboration with Microsoft, SAP & AICTE during 4th – 9th, September, 2023.

Dr.VVAS Lakshmi has successfully completed the online certification course Python for Data Science offered by NPTEL.

DandaSreekanth for successfully completed the online certification course C Programming and Assembly Language offered by NPTEL.

## WEBINARS , WORKSHOPS / TRAININGS PROGRAMS / OTHERS CONDUCTED

## ORGANIZED PROGRAMS
## APSSDC

The department of CSE (DS) organized A workshop on AWS CLOUD Computing in association with apssdc during 31- 07-2023 to 05-08-2023

APSSDC Workshop on AWS Cloud Computing

KNOW WHAT SPARKS THE LIGHT IN YOU.THEN USE THAT LIGHT TO ILLUMINATE THE WORLD.

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The department of CSE (DS) organized A campus recruitment program in associated with Bytex during 02-10-23 to 18-10-23 the department of CSE (DS) organized a special training program TPC and bytex. From 31-08-2023 to 02-09-2023 and an online training program during Thursday & Friday.



## STUDENT FOCUS

### NPTEL Course Details

| Student Details | Title | Course Duration | No.of Students Completed |
|---|---|---|---|
| II-I | The Joy of Computing Python | 12 weeks Program | 21 |

### EXTRA CIRRCULAR ACTIVITIES

### STUDENT ACHIEVEMENTS:-



The department of CSE (DS) conducted a BoS meeting for approval of Ist Year Syllabus of R23 regulations on 25-09-2023



Class Review Conducted was meeting on 07-09-2023



KNOW WHAT SPARKS THE LIGHT IN YOU.THEN USE THAT LIGHT TO ILLUMINATE THE WORLD.

43
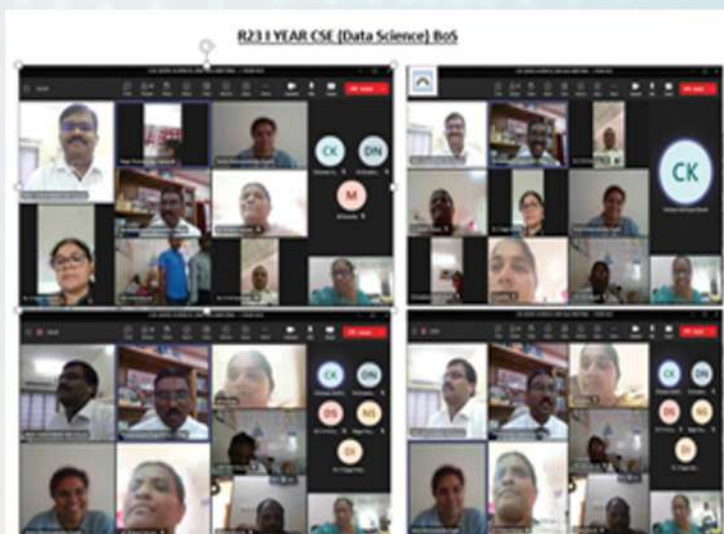
# Department of CSE (Data Science)

## INFOSYS CERTIFICATION

From our department 23 students have been successfully completed "Python Foundation certification program offered by Infosys"

## ESSAY WRITING COMPETITION





## PAINTING & PHOTOGRAPHY PHOTOS





## PAINTING IMAGES





## PROTOTYPE CLUB IMAGES



## SIH TEAM

THE BELOW TEAM FROM OUR COLLEGE TO PARTICIPATE IN THE GRAND FINALE OF THE SMART INDIA HACKATHON 2023.
TEAM NAME: APRENDIZA
TEAM ID: 34862
1. K. HARSHITHA – 22471A4425
2. T. RAMYA – 22471A4451
3. G. SHANMUKHA – 22471A4458

## ACADEMIC TOPPERS:

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



## 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.
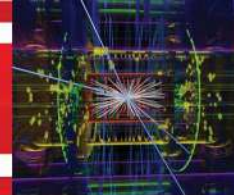
**22471A4436**
M. Nava Durga

## New Trends in Technology

### NANOCOATINGS FOR WATER PROOF SMARTPHONES

Nanocoatingsisa processby which a thin layerof thickness aboutless than 100 nm isdeposited on the substratebyseveral techniques for improving some property of thebasematerial like wear resistance, abrasion resistance,hardness and making it water repellant. Nano coatingscanbemadebyseveraltechniques like sol-gel, dip coating, Chemical Vapour DepositionandSpincoating.Thenano-coatingon the base surface can create hydrophobic (water repellent) and oleophobic (oil repellent). Even super hydrophobic coatings can be made. Some plant leaves, such as the lotus leaf and insect wings are hydrophobic. Thus we can imaging water rolling off our mobile phones without getting into it. Water proof mobile phones are available in the market.

### FLEXIBLE ELECTRONICS THROUGH NANOTECHNOLOGY

Nanomaterials are playing a vital role in the development of flexible electronics. Flexible electronics is possible through manipulation of matter at nanoscale. CNT polymer composites based electronics, CNT based flexible supercapacitorsare nanomaterialsof importance in electronic industry. Graphene is provingto be adominant materialinflexible electronics. Other materials cannot match the combination ofits high electricalconductivity, flexibility,and good physical strength. Flexible electronic devices havealready made theirway into thecommercial realm, and the coming yearsare bound to see huge velocity oftechnological changes.

## FACULTYFOCUS

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H participated and presented a paper title "Teaching and Learning English through Artificial Intelligence" in ELT SUMMIT-2023 International Virtual Conference for teachers of English held on 1st& 2nd December organized by International Society Educational leadership & MIT Art, design and Technology University Pune.

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H and Mr.Z.Mohan Rao Assoc.professor of English have Published a paper in Journalof propulsion Technology(a Scopus indexed journal) with the title "Role- Play:An Interactive Activity to Enhance the English-Speaking Skills of Undergraduate Students.

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H acted as a BOS member for English, in Tirumala Engineering College, Narasaraopet.

Dr. V. Aruna, Associate Professor of English received Doctor of Philosophy on 5th September on Negotiating Womanly perceptions in the select novels of Anita Nair Astudy, from Vignan Deemed tobe University, Vadlamudi, Guntur.

Dr. SK. Rafi, Asst. Professorof English was awarded Ph.D. from Acharya Nagarjuna University, Guntur, in October on "Thematic Study in Garish Karnad's selected plays".

Dr. V. Aruna, Associate Professor Participated in Internal Virtual Conference on ELT in Globalized World-Scope, perspectives and challenges organized by SCK Govt Degree College, Vinukonda.

Dr.V.Aruna, Associate Professor of English presented a papertitle" SustainableCareer development through Employability in English Language "in ELT SUMMIT 2003, International Virtual Conference for Teachers OF English held on 1st & 2nd December 2023 organized by the International Society for Educational Leadership & MIT Art, Design and Technology University Pune.

Dr.V.Aruna, Associate Professor of English got Registered as a social scientist from ICSSR.Delhi with the Registration No. ICSSD-SM-2023-2922.

Mr. G.R.K.Murthy, Asst.Professor of English participated in Two day International Webinar on"Impact of Literature in Cultural and Societal Developmentorganizedby the Department of languages and IQAC,SS&N College, Narasaraopet during 19th and 20th July.

Mr. S. RiyazBashaAsst.Prof. of English has participated in Two-day International webinar on Impact of Literature in Culturaland Societal Development" during 19th & 20th July organized by the Department of languages and IQAC SS&N College, Narasaraopet.

Dr.R.Mohana Ramana published a paper on "Chemical Radiation and Soret Effects on Unsteady MHD Convective Flowof Jeffrey Nanofluid Past an inclined semi-Infinitive Vertical Permeable Moving Plate" in the Journal " Communications in Mathematics & Applications, 2023.

Dr. Sk. Mohiddin Shaw Professorof Mathematics, Dr.R.Mohana Ramana, Asst.Professor, Dr.G.Dharmaiah, Assoc.Professor Dr. Ch.Maheswari, Asst.Professor have presented a paper titled "Characteristics of Magnetic Permeable Radiative Hybrid Nanofluid Enhancement with Exponential Space-Based Heat Source/Sink and Diffusion Thermo Effect" in 1stIEEE International Conference an Multidisciplinary Research in Technology and Management-MRITM23, Organized by New Horizon College of Engineering Bengaluru on 22nd & 23rd September 2023.

Dr. Sk. Mohiddin Shaw Professorof Mathematics delivered a lecture on "Fuzzy Dimension of a Module over Associative Ring R" in an International Conference on "ComputationalModelingin-Science and Engineering & 32nd Congress of APSTSMS" organized by NIT Warangal from : 28th - 30th October 2023.

Dr.Sk. Mohiddin Shaw, Professor & Dr.N. Ravi Babu, Assoc. Professor participated in a five-day International Faculty Development Program on "Application of Mathematics in Various Fields with Innovative Approaches" organized by Bapatla Collegeof EngineeringFrom: 21-11- 2023 to 25-11-2023 through virtual mode.

Dr.G.Dharmaiah has presented a paper Simulation of Lattaneo-Christov's Heat Flow Past a ring Plate using the BVP4C Approach in the "National Seminar on Recent Advances in the Mathematicaland Statistical Methods for Science and Technology" on 22nd December 2023 organized by Department of Mathematics & Humanities, R.V.R & J.C College of Engineering , Guntur.

Dr.Ch.Maheswari, Asst.Professor of Mathematics has participated in the Five Day Interdisciplinary Online Faculty Development Programme (FDP) on Institutional Initiatives for Effective Assessment and Accreditation in the contextof NEP-2020organized by SS&N College ,Narasaraopet.

Dr.Ch.Maheswari, Asst.Professor of Mathematics delivered a guest Lecture in Krishnaveni Engineering College for Women on 15th November 2023.

Mathematics Day Celebrated on 22nd December 2023.Poster Presentation Computation is Conducted on the occasion of Mathematics day by the department of B.S&H.

Dr.P.N.V.V.L.Prameela Rani, Assistant Professorof Chemistry has participated in the webinar on "Fifth Generation (5G) Wireless-CommunicationTechnologyRole of Advanced Ceramics" organized by Departmentof Physics, School of Science and Humanities, S.R. University, Warangal, on 3rd October 2023.

Dr.P.N.V.V.L. Prameela Rani, Assistant Professor of Chemistry has participated in National Workshop on "Hands-onTraining UsingIn-Silico Tools for Chemical/Biological

Applications organized by the Departmentof Chemistry of Vignan University, Guntur.

Dr.Y.Lakshmana Kumar has participated in Two Weeks faculty Development Programme on Entrepreneurship from 3-8-2023 to 17-8-2023 organized by the Institutes Innovation Council, Golgotha's University, Uttar Pradesh.

BS&H Faculty Members Dr.K. Ponnari Lakshmi, Dr.K. Neeraja, Dr. Ch.Maheswari ,Dr. V.Aruna , Mr.S.Srinivasarao, Mrs.A.Aparna, Ms.Sd.Roshini Bhanu, Mr.G.R.K.Murthy, Mr.M.Purna Chandra Rao, have successfully completed NPTEL Certificate Courses with a very good percentage.

Every work hasgotto passthroughhundredsofdifficulties before succeeding. Those that persevere will the light, sooner or later."
Swami Vivekananda

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## Vision

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

## Mission

To impart and nurture managerial and entrepreneurial skills in the students

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

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

## New Trend in Business

Business analytics refers to the skills, technologies, 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

Dr.Y.Ankireddy,Y.Suresh,S.Salma,D.Satish Babu and N.UshaDeepasundarihave been participated in Five Days Online Workshop on "SPSS in Research" Organised by Star International Foundation for Research and Education from 26th to 30th DEC 2023.

Dr.M.Aravindhas completed One week Faculty Development Programe on "Professional Values and Ethics" organized by NITTTR from 4th to 10th Dec-2023

SURESH YAMARTHI has attended an knowledge sharing session titled "Managing Digital Disruption: The New Mantra of Business" organized on 06th December 2023 by Association of Indian Management Schools(AIMS)

Dr.Y.Ankireddy, Y.Suresh,S.Salma,D.Satish Babu &N.UshaDeepasundari have been Participated in Seven Day Faculty Development Program on "Building Up the Insights on Qualitative and Quantitative Aspects of Research" Organized by Department of Commerce SRM University held from 20th November to 26th November 2023

Suresh Yamarthi,S.Salmahave been participated in the international online workshop on "Business Analytics using Excel" Organized by Global Institute of Statistical Solutions from November 18th – 20th 2023.

Y.Suresh, has attended an Inspiring Young Leaders Session titled "NEP 2020: National Higher Education Qualification Framework." Organized by Association of Indian Business Schools (AIMS) on 17th November 2023.

Syed Salma for Successfuly Completing a free Online Course Principles of Management by Great Learning Academy on 17th November 2023.

N.UshaDeepasundari for Successfuly Completing a free Online Courses Principles of Leadership and Organizational Behaviour by Great Learning Academy on 17th November 2023.

Y.Suresh, has attended an Inspiring Young Leaders Session titled "AI Analysis of 50 Indian Universities NAAC SSR Report-Criteria" Organized by Association of Indian Business Schools (AIMS) on 10th November 2023.

Y.Suresh, has attended a Knowledge Sharing Session titled "METAVERSE: A Business Strategy Frontier" Organized by Association of Indian Business Schools (AIMS) on 8th November 2023.

Y.Suresh,S.Salmahave been participated in the 5 Day International online workshop on " General Paper on Teaching and Research Aptitude(UGC NET Paper 1)" Organised by Global Institute of Statistical Solutions from 4th to 8th November 2023

Y.Suresh, has attended a Knowledge Sharing Session titled "Analytics for Business Decision Making" Organized by Association of Indian Business Schools (AIMS) on 25th October 2023.

Y.Suresh, S.Salma, D.Satish Babu and N. UshaDeepaSundarihave been attended a Knowledge Sharing Session titled "Influencer Marketing 2.0: Strategies for the Modern Era" Organized by Association of Indian Business Schools (AIMS) on 14th October 2023

Dr.M.Aravind for successfully Completing 12 weeks NPTEL Online Certification Course Entrepreneurship from July-Oct 2023.

Dr.M.Aravind Participated NPTEL-AICTE Faculty Development Programme on "Entrepreneurship" from July-Oct 2023

Suresh Yamarthifor successfully Completing 4 weeks NPTEL Online Certification Course Business Fundamentals For Entrepreneurs (Part 1_ Internal Operation).Aug-Sep 2023.

Dr.YAnkireddy andD.Satish Babu have been Successfully completed 8 week NPTEL Online Certification Course on Brand Management from July- Sep 2023.

Y.Suresh, Dr.Y.AnkiReddy, I Sridhar, Syed Salma,D.Satish Babu and N.UshaDeepaSundari have been Participated An Eight-Day National (Online) FDP on "Case Based Learning, Teaching, Writing and Publication " Organized by Dept. of Management Studies Vignan's (Deemed to be University) on 25th Sep,2023 to 2nd Oct,2023.

Y.Suresh, has attended an Inspiring Young Leaders Session titled "Management-Preparing For the New Normal" Organized by Association of Indian Business Schools (AIMS) on 15th September 2023.

Y.Suresh, I. Sridhar, Dr.YAnkireddy,Syed Salma,D.Satish Babu and N.UshaDeepaSundari have been Participated in the One Day Workshop on IP Awareness/Training Program Under "National Intellectual Property Awareness Mission" Organized by Intellectual Property Office, India on 13th September 2023.

Y.Suresh, ,Syed Salma,D.Satish Babu and N.UshaDeepaSundari have been Participated in the One Day National Level FDP on"How to write an Effective Ph.D Thesis" Organized by IOT Academy on 8th September 2023.

Y.Suresh, Dr.Y.Ankireddy, I.Sridhar, Syed Salma,D.Satish Babu and N.UshaDeepaSundari have been Participated in the Three Day International online workshop on "Basic Statistical Analysis and its Interpretation using SPSS" Organized by Global Institute of Statistical Solutions from August 24th to 26th August 2023.

Y.Suresh and D.Satish Babu have been Presented a paper on ""Employee Retention Strategies: "Factors Influencing Retention Strategies" and Employee Job Retention Expectations inNational Level Conference on " Emerging Trends in Mnangement ( NCETM-2023) " held by Department of Management Studies, CMR Institute of Technology, Bengaluru, Vol-1,Issue-I,ISBN: 978-93-91303-84-6, on 18th August 2023, Page No : 38-52.

Syed Salma Presented a paper on "A Study on the Banking Industry's Contribution to Women's Empowerment in India" in National Level Conference on " Emerging Trends in Mnangement ( NCETM-2023) " held by Department of Management Studies, CMR Institute of Technology, Bengaluru, Vol-1,Issue-I, ISBN: 978-93-91303-84-6, on 18th August 2023, Page No : 53-60..

Y.Suresh participated on One week online workshop on "Quantitative Aptitude and Reasoning" conducted by Class Upon Academy of Research and Education from 13-08-2023 to 19-08-2023

Y.Suresh, S.Salma and D.Satish Babu have been participated in Webinar on "YOUNG ENTREPRENEURSHIP - HIS JOURNEY" organized on 11thAugust 2023 by Association of Indian Management Schools (AIMS).

Y.Suresh, S.Salma and D.Satish Babu have been participated in one week faculty development programme on "Utilization of cutting edge Instrumental Techniques in Drug & Development" during 25th July 2023 to 1st August 2023 organized by Department of Pharmaceutical Analysis, KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada,Andhra Pradesh

## Departmental Activities
### Workshops/Seminars/Industrial visits/Webinars

II Year MBA Students conducted fresher's day for I Year MBA Students on 29thDEC 2023.





Department of MBA & Association with IQAC conducted one workshop on "Innovation, Entrepreneurship and Intellectual Property Rights" on 13th Dec-2023.

Department of MBA Conducted CRT Classes on Personal Introduction for I Year MBA Students. In this training Programme 80 Students are participatedon 08-12-2023



Department of MBA Conducted CRT training program on reasoning, resume preparation and Tenses for II Year MBA students. In this training 80 students are participated on 06-10-2023



Department of MBA conducted one day A Guest Lecture on "Career Prospects for Professional Students" on 17th August 2023. Resource Person is Dr.A.Adisesha Reddy, HOD of MBA, LBR College of Engineering, and Chairman-A.P Chapter (AIMS) Association of Indian Management Schools.





Department of MBA conducted final project Viva-Voce for II Year MBA students from 17-08-2023 to 19-08-2023.

### Student Focus
D.Swathi,S.Jagadeeswari,SK.Karishma,Sk.Farzana,N.VenkataGangadhar and B.Nagaraju II MBA students have been participated national level quiz on "Banking and Financial Awareness" Organized by department of Mamagement(BBA), Acharya Institute of Graduate Studies on 29th Sep 2023.

### Placements
26 students selected in ICICI bank
Curricular & Co-Curricular activities (Sports



Shaik Sharuk and Noorudin from I YEAR MBA participated & won 1st prize in dance competition in District level YUVA UTSAV-2023 on 05-07-2023.

The following students are II & IVSemacademic toppers in their respective classes.



| B.Nandi | Sk.Shabnam | Sk.Ayesha | A.SriTejaswini |
|---|---|---|---|
| 21471E0013 | 21471E0049 | 21471E0050 | 21471E0005 |
| III SEM: 9.29 | III SEM: 9.29 | III SEM: 9.29 | III SEM:9.14 |

### Alumni Voice

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 (2010-2012)**
Bank Manager, IDFC, Guduru

### Student's Voice



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

**SK. SHABNAM**
MBA IVSem
H.T.no:22471E0049

## Vision

- To prepare MCA Department as a generator of world class Software Professionals / Entrepreneurs.

## Mission

- Import the knowledge of modern s/w tools to meet the challenges in current day competition.
- Imparting employability skills instudents.
- Encourage research activities among students and staff.

## New Trends in Technology

### BIG DATA

The world generates over 59 trillion GB of data per day, including 306.4 billion emails! Where is all this data stored? How is all this data recorded so quickly? That's what Big Data tries to solve - how to capture and process tons of data to make it easily and quickly accessible. Big data intersects a lot with cloud computing because they both relate to behind the scenes software infrastructure.

### ROBOTICS

Although robots aren't walking and talking with normal people like they do in science fiction movies, robotics still play an important role in our everyday lives. Hospitals use robotic arms to assist surgeons in surgery. Food and packages are starting to be delivered by drones. Factories use robots to assemble the products we use everyday like phones and cars. In fact, 2.7 million robots work in factories across the world. Future advancements to robotics is to integrate computer vision and natural language processing to enable them to interact with the world more naturally.

### DISTRIBUTED CLOUD

Distributed cloud is the distribution of public cloud services to different physical locations, while the operation, governance, updates and evolution of the services are the responsibility of the originating public cloud provider.

### BLOCKCHAIN

A blockchain is a distributed database that is shared among the nodes of a computer network. As a database, a blockchain stores information electronically in digital format. Blockchains are best known for their crucial role in cryptocurrency systems, such as Bitcoin, for maintaining a secure and decentralized record of transactions. The innovation with a blockchain is that it guarantees the fidelity and security of a record of data and generates trust without the need for a trusted third party.

### ARTIFICIAL INTELLIGENCE

Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problem-solving.

### VIRTUAL REALITY

Virtual Reality (VR) is a computer-generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings. This environment is perceived through a device known as a Virtual Reality headset or helmet.

### SERVERLESS COMPUTING

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

## 5G NETWORKS

5G is the 5th generation mobile network. It is a new global wireless standard after 1G, 2G, 3G, and 4G networks. 5G enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices.

5G wireless technology is meant to deliver higher multi-Gbps peak data speeds, ultralow latency, more reliability, massive network capacity, increased availability, and a more uniform user experience to more users.

## COMPUTER VISION

These fields give computers the ability to see and listen. Computer vision is the technology behind enabling computers to see the world. It is the crucial technology behind self-driving cars, facial recognition, and Snap chat / Zoom filters. The technology has become so advanced that it is even more accurate than humans in identifying images!

## NATURAL LANGUAGE PROCESSING

Natural Language Processing (NLP) is how computers are able to recognize what humans say. NLP is found in voice enabled smart devices like Apple's Siri and Amazon's Alexa. These fields overlap with Artificial Intelligence and Machine Learning because computers use the same AI/ML algorithms to process inputs, whether it is visual or audio.

## BIOINFORMATICS / MEDICAL TECHNOLOGY

Just like other aspects of our lives, computers are revolutionizing medicine. Bioinformatics is the use of computers to study biological data such as DNA. By analysing DNA with AI / ML techniques, computers can assist scientists in uncovering the root causes of diseases developing cures, including this recent potential cure for certain cancers here. Other computer science trends intersect with medicine. For example, using robots for surgery is becoming more widespread.

## CYBERSECURITY

In the past, information was secured from robbers by metal vaults and security guards. Today, digital information is secured from hackers by cyber security. As more of our lives is online, the more important cyber security becomes. There's a successful computer hack every 39 seconds! There are many sub-fields within cyber security. For example, cryptography finds new algorithms to encrypt sensitive information, or make it such that information cannot be read unless the reader knows a password. Another example is network security - ensuring computer networks or cloud networks are only accessible by the correct users and applications.

## STUDENT FOCUS

II MCA III Semester 66 students are attended Skills development program on "Python, Aptitude, verbal, Soft skills" byBytexl from 21-08-2023 to 05-09-2023.04-02-2023.

I MCA I SEM Girls attended the seminar on anti-ragging and Disha app was held by S.I Gouthami madam on 22-11-2023.



II MCA IV Semester (2021 batch) 64 students are graduated in the year of 2023.

II MCA IV Semester(2021 batch)3 students are got the gold medals and 2 students are got the silver and bronze medals.

II MCA III Semester 8 students (4 teams) are participated on the occasion of Innovation day on 13th October,2023.and 1 team got the consolation prize in the competition.



2 members are attended the NPTEL examination on DBMS and Programming in JAVA in the month of September, 2023.

Toppers from II MCA II Semester(2022 Batch)



**SK. SUBHANI**
22471F0049
9.25

**SK. APSANA**
22471F0065
9.25

**Y. SIREESHA**
22471F0027
9.10

STUDENT VOICE

I am very proud to be a part of this department. The Department of MCA has recorded consistent improvement in its academic, research and placement performance. It offers a range of innovatively designed programs whose curricula are constantly updated to meet the changing requirement of the industry and to meet the needs of major stakeholders.



**I. LAVANYA**
21471F0023

ALUMINI VOICE

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 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.



**A. SRAVANI**
MCA Alumni

# TRAINING AND PLACEMENT CELL

*We Train, You Excell*

## Vision

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

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

## Mission

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

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

## Training at NEC

| SNO | COMPANY NAME | DATE | SELECTS | REMARKS | SALARY In Lakhs/annum |
|---|---|---|---|---|---|
| 1 | ACCENTURE | 27/10/2023 | 95 | Result | 4.6 |
| 2 | PIVOX LABS | 30/11/2023 | 1 | Result | 3.0 |
| 3 | THERMOPADS | 13/12/2023 | 21 | Result | 3.0 |
| 4 | CAPE ELECTRIC | 18/12/2023 | 12 | Result | 3.0 |
| 5 | PEPSICO | 23/12/2023 | 4 | Result | 5.3 |

# NSS ACTIVITIES



**Dignitaries participation in lighting of lamp on the eve of Yuva Utsav-2023 on 06-07-2023.**



**Hon'ble District Collector Sri.L.Siva Sankar Garu addressing the students to follow the Fundamental Duties in the session on 06-07-2023.**



**NSS Unit organized Voter Registration Process in co-ordination with RDO Office, Narasaraopet on 12-07-2023 in Computer Lab in campus.**



**Plantation of saplings at Village Secretariat at Yellamanda Village**







**Students in Plantation program at Mandal Parishat School, Yellamanda on 09-08-2023.**

Hon'ble Chairman Sri.M.V.Koteswara Rao addressing the students the importance of sports for better health in the session.



Sri.K.V.Mahesh, DSP, Narasaraopet addressing the students in the session



Hon'ble Principal Dr.M.Sreenivasa Kumar addressing the importance of sports on the eve ofNational Sports Day Celebration on 29-08-2023.



ECE students receiving Champion's Trophy through the dignitaries





NSS Unit conducted a Free Diabetic Testing Program to faculty members and students on 24-09-2023 on the eve of NSS Formation Day

Sri.B.Saleem Garu, Ex.Bar Association President, Narasaraopet addressing the students the transparency and accountability in the Govt.Administration on the eve of Right to Information Act on 12-10-2023



Hon'ble Principal addressing the students the importance of Right to Information Act for Strong Democracy on 12-10-2023.





Sri. Aarogyam Chowdary Garu, Senior Advocate, Narasaraopet address the gathering in the occasion.





Dr.B.Raju, Cardiologist addressing the students in a Health Awareness Camp organized by NSS Unit in co-ordination with Ramesh Hospitals, Vijayawada on 01-11-2023.





Our college NSS Unit in co-ordination with AI & IT Dept. organized an Essay Writing Competition on 30-10-2023 on the eve of National Unity Day in commemoration of Birth Anniversary of Sri. Sardar Vallabhai Patel, the Iron Man of India.

NSS Unit organized a Free Blood Grouping Test Program to all branches of 1st year B.Tech, MBA and MCA students on 02-11-203 in co-ordination with Red Cross Society, Narasaraopet.





NSS Unit conducted an Essay Writing Competition on the eve of National Education Day on 11-11-2023 the Birth Anniversary of Sri.Maulana Abul Kalam Azad, the first Education Minister of India.

Miss. V.Gowthami, Sub-Inspector of Police, DISHA Police Station, Narasaraopet addressing the students in an Awareness Program on Anti Ragging and Usage of DISHA App on 22-11-2023 organized by IQAC and NSS Unit.



Hon'ble Principal, Dr.M.Sreenivasa Kumar addressing the students to take precautionary measures against anti-social elements in the session.

# DEPARTMENT OF PHYSICAL EDUCATION



Volleyball Winners Organized by MAM College Of Pharmacy, Narasaraopet (77th Independence Day Celebrations 2023) on 14-08-2023



D.Naganjali (22475A222) EEE 1st Place in Yoga Organized by Yogasana Sports Association Of Palnadu District at Sri Krishna Chaitanya School, Narasaraopeta on 03-09-2023



NEC Kabaddi Team Winners Organized by MAM College Of Pharmacy, Narasaraopet (77th Independence Day Celebrations 2023) on 14-08-2023



NEC Rope Skipping Team Runners Organized by SR GEC Silver Jubilee Celebrations at SR GEC, Gudlavalleru on 18-11-2023 to 20-11-2023



NEC Throwball Team Runners Organized by MAM College Of Pharmacy, Narasaraopet (77th Independence Day Celebrations 2023) on 14-08-2023



K.Maheswari (21475A0409) ECE 3rd Place in DISCUS THROW Organized by SR GEC Silver Jubilee Celebrations at SR GEC, Gudlavalleru on 18-11-2023 to 20-11-2023

N. Poojita (23471F0042) MCA , Kho-Kho,
Selected   Kho-Kho Association Of Guntur District
At Krishnaveni Degree College, Narasaraopet
on 20-11-2023



NEC Badminton Team Winners Organized by
Oraganized by JNTUK Kakinada
CENTRAL ZONE BADMINTON
at Sir CR Reddy College Of Engineering, Eluru
on 24th to 26th NOV 2023



D.Naganjali (22475A222) EEE YOGA
Selected JNTUK Yoga Team University College Of
Engineering, Kakinada(A),JNTUK
on 22nd November 2023



S.Dhanush (21471A0440) ECE
Selected JNTUK Badminton Team Oraganized
by JNTUK Kakinada
at Sir CR Reddy College Of Engineering, Eluru
on 24th to 26th NOV 2023



B.Teja 23471A4304 CSE(AI) WRESTLING
Selected JNTUK Wrestling Men Team University
College Of Engineering, Kakinada(A),JNTUK
on 24th November 2023



N. Poojita  (23471F0042)  MCA  Kho-Kho
Organized by JNTUK Kakinada
at Narasaraopeta  Engineering College,
Narasaraopet, on 03rd & 04th DEC 2023

D.Naganjali (22475A222) EEE, NEC
2nd Place Organized by 4th State Level
Yogasana Sports Championship-2023 At ANU
Campus, Guntur
09th,10th&11th DEC 2023



K.Maheswari (21475A0409) ECE SHOTPUT
2nd Place Organized byVIVA – VVIT Sports Fest
2023-24 (VVIT, Guntur)
on 21-12-2023 & 22-12-2023

14-12-23 National Energy conservation day



28-11-23 NCC Day Celebrations



9-11-2023 National Entrepreneurship Day



1-11-2023 National Stress Awarness Day



15-10-23 National Innovation Day

# NBA TEAM VISIT

**on 08th - 10th September, 2024**







**EEE**

**Civil**







**Mech**

**ENGINEER'S DAY**
15 SEPTEMBER

**15-09-2023**
Engineer's Day

**HAPPY TEACHER'S DAY**
Dr. Sarvepalli Radhakrishnan
Birth: 5th Sep, 1888 - Death: 16th April, 1975
5th September, 2023

**5-9-2023**
**Teachers Day**

**TEACHER'S DAY**

**NATIONAL SPORTS DAY**

**29-8-23 National Sports Day**

## GRADUATION DAY
### 30th September, 2023







Graduation Day on 30-09-2023

**NEC** College Events

26 Years Excellence

## INDEPENDENCE DAY 2023



Happy Independence 15 Day August 2024

On 17-08-2023 NEC Women Empowerment Cell
Organized Health and Hygiene





05-07-2023
YUVAUSTAV 2023