NARASARAOPETA NEC ENGINEERING COLLEGE (AUTONOMOUS)

NEC WAVES

A News Letter of

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

EAMCET - Code: NSPE | ECET - Code: NSPE

Approved by AICTE, Affiliated to JNTUK, Kakinada, Accredited by NBA (Tier-I), NAAC with 'A+' Grade
NIRF Ranking (251-300 Band), An ISO 9001:2015 Certified Institution
Kotappakonda Road, Yallamanda (PO), Narasaraopet - 522601, Palnadu (Dist), Andhra Pradesh

PGECET - Code: NSPE | ICET - Code: NSPE

www.nrtec.in | January - June, 2023 | Volume 1, Issue 1

INSIDE THIS ISSUE

Editorial	1
Principal's Desk	2
Departments	3 - 33
Training & Placements	34
NSS Activities	35 - 37
Sports	38 - 40
College Events	41 - 47

EDITORIAL BOARD

CHIEF PATRON

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

PATRONS

Sri. M.V.Koteswara Rao, B.Sc.,
Chairman
Sri. M.Ramesh, Secretary

CHIEF EDITOR

Dr. M. Sreenivasa Kumar, Principal

EDITORS

Dr. D.Suneel
Vice-Principal

Dr. S. Siva Nageswara Rao
Assoc. Professor, Dept. of CSE

Dr. Sk. Ebraheem Khaleelulla
Asst. Professor, Dept. of ECE

MEMBERS

Dr. P.Naga Sowjanya, HOD, CE
Dr. P. Lakshmanan, HOD, EEE
Dr. B.Venkata Siva, HOD, ME
Dr. V. Venkata Rao, HOD, ECE
Dr. S. N. Tirumala Rao, HOD, CSE
Dr. B. Jhansi Vazram, HOD, IT & AI
Dr. V.V.A.S. Lakshmi,
HOD, CSE(AI & ML), DS, CS
Dr. K. Nageswararao, HOD, MCA
Dr. P.Pattabhiram, HOD, MBA
Dr. K. Ponnari Lakshmi, HOD, BS & H



Dr. Gopireddy Srinivasa Reddy, MLA, Narasaraopet attended Mock Parliament Session at NEC Campus on 01-03-2023

Dear Readers,

As Mark Twain has said "Patriotism is, supporting your country all the time", Narasaraopeta Engineering College always inculcate patriotic zeal in the minds of the students. 74th Republic Day has been celebrated in the campus with great patriotic fervor. NCC Cadets have done the parade on this occasion.

In a democratic country no need to use any weapon. The most powerful weapon is vote 'National Voters Day' was celebrated in the campus on 25th January as foundation day of Election Commission of India. On this occasion Dr.M. Sreenivas Kumar, Principal, Narasaraopeta Engineering College, enlightened the students with his speech. In his speech he reiterated the significant role of the students to curb the malpractices in the electoral process.

"Yatra Naryeshu Pujyanthe Tatra Ramanthe Devatha" says Manusmrithi, means where women are honored, divinity blossoms there. International Women's day has been celebrated traditionally in Narasaraopeta Engineering College campus on 8-3-2023. Women who have done the great services in different fields were felicitated.

Natural Resources must be protected. Sir C.V. Raman says "water is the elixir of life". 'World water day' was celebrated on 22-3-2023 in Narasaraopeta Engineering College campus Sri. T. Satyanarayana Sarma, Palnadu district ground water officer was chief guest of this occasion. He enlightened the students by explaining various measures to protect the water resources for future generations.

Students must have awareness on democratic system. District level Neighborhood Mock Parliament session was organized by NSS Unit in coordination with Nehru Yuvak Kendra on 1-3-2023 in the campus. Dr. Gopi Reddy Srinivasa Reddy Garu, Hon'ble. M.L.A Narasaraopet was the Chief guest. Dr. Sreenivasa Kumar, Principal, Narasaraopeta Engineering College encouraged the students with his speech.

Regarding academic updates: Dept of B.S.&H, organized a two-day International virtual conference on "Perspective from Basic Sciences and Humanities" from 26th to 27th May 2023. It became a great success. 210 participants around the globe presented the papers in this conference.

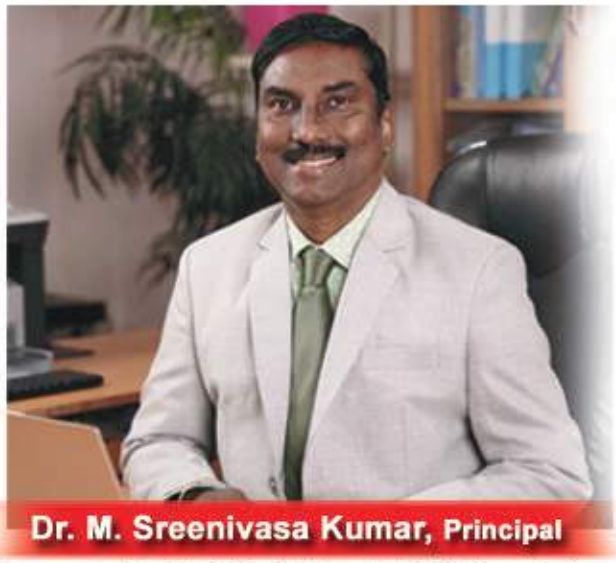
Dept of EEE organized the Third International Virtual Conference on "Recent Trends in Power Systems and Power Electronics -2023" in association with ISTE was held on 10-06-2023.

A Three-day workshop on DWVOPS AND IT'S TOOLS during 8th -10th March 2023 by VJ Technologies in collaboration with AICTE organized by Department of Computer Science &Engineering. An International Conference on Artificial Intelligence and its Emerging Area Narasaraopeta Engineering College -ICAIEA-2K23 on 17th and 18th March 2023.

With the support of the staff members and students NEC is growing day by day.

-----Editor

Principal's Desk



Dr. M. Sreenivasa Kumar, Principal

It is a matter of great pride and satisfaction to bring out the News Letter 'NEC WAVES" ' Released for the period January -June 2023. The goal of the newsletters is to keep you updated with developments in Narasaraopeta Engineering College. A News Letter is like a mirror which reflects the clear picture of all sorts of activities undertaken by NEC.

The College has made tremendous progress in all areas academic, non-academics, capacity building relevant to staff and students. The alumni meet is conducted every year in order to reconnect with the Alumni and celebrate their success and various achievements. Alumni meet who have made it a very special and memorable one. I thank all organizers of the event (teaching, non-teaching staff and the enthusiastic student volunteers) whose hard work and dedication made the event possible. International conferences are conducted, helps to improve presentation skills and will be able to assess knowledge, potential. The Institution believes in 'fuelling the quest for knowledge which ensures individual professional success, which culminates in benefiting the Society.

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

Signing of with a quotation : "Education is the passport to the future, for tomorrow belongs to those who prepare for it today"

– Malcolm X

-- 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.



Mr. Srikanth Surampudi, Head HR, TCS, Hyderabad &
Mr. Richard King Chatragadda, Region Head, Academic Interface Programme, TCS, Hyderabad
along with NEC Management @ NEC Alumnimeet - 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

Kinetic Footfall





Another technology is kinetic energy which is under development that is Pavegen provides a technology that enables the flooring to harness the energy of footsteps.

It may be utilized indoors or outdoors in high-traffic areas and generates electricity from pedestrian footfall using an electromagnetic induction process and flywheel energy storage.

Another technology is kinetic energy which is under development that is Pavegen provides a technology that enables the flooring to harness the energy of footsteps.

It may be utilized indoors or outdoors in high-traffic areas and generates electricity from pedestrian footfall using an electromagnetic induction process and flywheel energy storage.

The Kinetic footfall is most efficient to transport hubs where a large flow of people will pass over it.

The company deployment done so far is on a football pitch in Rio de Janeiro to help power the floodlights around the pitch.

It has been temporarily installed outside London's Canary Wharf station powering street lights.

Modular Construction



It includes the building constructed off-site using the same materials and designed to the same standards as conventional on-site construction.

It also helps in limiting environmental disruption, delivering components as and when needed, and turning construction into a logistics exercise.

It also offers strong sustainability benefits, from fewer vehicle movements to less waste. By using this method with up to 70 percent of a building produced as components, it allows a move towards "just in time" manufacturing and delivery.

This method is currently popular in the United States and the UK, Chinese developer Broad Sustainable Building recently completed a 57-story skyscraper.

Faculty Focus

M.N.S.SambaSiva Rao Completed Surface water Hydrology NPTEL Course with Elite Status.

A.Lakshmi Prasanna Completed Concrete Technology NPTEL course with Elite Status.

Conferences/ Seminars/ Workshops attended:

M.N.S.SambaSiva Rao successfully completed the One-week Online Faculty Development Program on "Recent Advancements in Waste Remediation, Geo-spatial Techniques and Hydrologic Systems"held from 30th January 2023 to 04th February 2023 organized by Department of Civil Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad.

M.N.S.SambaSiva Rao has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on March 10, 2023 organised by Intellectual property office, INDIA.

M.N.S.SambaSiva Rao successfully completed the Five Days Online Faculty Development Program on "Sustainable Development in Civil Engineering"held from 2nd May 2023 to 06th May 2023 organized by Department of Civil Engineering, J D College of Engineering & Management, Nagpur.

K.Anil Kumar successfully completed the One-week Online Faculty Development Program on "Recent Advancements in Waste Remediation, Geo-spatial Techniques and Hydrologic Systems"held from 30th January 2023 to 04th February 2023 organized by Department of Civil Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad.

K.Anil Kumar has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on March 10, 2023 organised by Intellectual property office, INDIA.

N.M.Subhani has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on March 10, 2023 organised by Intellectual property office, INDIA.

Mrs.A.L.Prasanna successfully completed the One-week Online Faculty Development Program on "Recent Advancements in Waste Remediation, Geo-spatial Techniques and Hydrologic Systems"held from 30th January 2023 to 04th February 2023 organized by Department of Civil Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad.

Mrs.A.L.Prasanna has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on March 10, 2023 organised by Intellectual property office, INDIA.

Mrs.A.L.Prasanna successfully completed the Five Days Online Faculty Development Program on "Sustainable Development in Civil Engineering" held from 2nd May 2023 to 06th May 2023 organized by Department of Civil Engineering, J D College of Engineering & Management, Nagpur.

K.Meghanadh successfully completed the One-week Online Faculty Development Program on "Recent Advancements in Waste Remediation, Geo-spatial Techniques and Hydrologic Systems"held from 30th January 2023 to 04th February 2023 organized by Department of Civil Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad.

K.Meghanadh has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on March 10, 2023 organised by Intellectual property office, INDIA.

K.Jeya Vignesh successfully completed the One-week Online Faculty Development Program on "Recent Advancements in Waste Remediation, Geo-spatial Techniques and Hydrologic Systems"held from 30th January 2023 to 04th February 2023 organized by Department of Civil Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad.

K.Jeya Vignesh has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on March 10, 2023 organised by Intellectual property office, INDIA.

K.Jeya Vignesh successfully completed the Five Days Online Faculty Development Program on "Sustainable Development in Civil Engineering" held from 2nd May 2023 to 06th May 2023 organized by Department of Civil Engineering, J D College of Engineering & Management, Nagpur.

Student Focus

IV B.Tech, Civil, M. Kiranmai (20475A0126) & U.Durga (20475A0148) got Third Prize in Rangoli competition in Sankranthi celebrations 2023 in Narasaraopeta Engineering College (A), Narasaraopet.

III B.Tech, Civil, P. Tirumaleswar (21475A0116) & B. Vamsi Sai Krishna (21475A0121) got Third Prize in 3D Art Competeion in Sankranthi celebrations 2023 in Narasaraopeta Engineering College (A), Narasaraopet.

IV B.Tech, Civil, T. Naga Akhil (20475A0101) got Consolation Prize in Traditional Dress competition (Boys) in Sankranthi celebrations 2023 in Narasaraopeta Engineering College (A), Narasaraopet.

P.Kishore (19471A0141) & N.Sasi Kumar – 20475A0119 wins Third place in Volley Ball (Men's) in National Level sports fest KL University on 31-01-2023.





II B.Tech, Civil, P. Manikanta (22475A0119) got Second place in 400m run in National Level Techno cultural sports fest organized by UCET on 09th & 10th February 2023.

IV B.Tech, Civil, Ch.Pujitha (19471A0111) got Second Prize in Pragya-2K23 (PPT) in TEC, Narsaraopeta on 16-03-2023.

A.Pooja (19471A0101), P.Koteswara Rao (21475A0113), N.Gopal Koteswara Rao (21475A0119) & K.Rosaiah (19471A0124) got Second Prize in Pragya-2K23 (Technical Quiz) in TEC, Narsaraopeta on 16-03-2023.



P. Kishore (19471A0141) wins Volley Ball Tournament in Pragya-2K23 in TEC, Narsaraopeta on 16-03-2023.

IV B.Tech, Civil, Ch.Pujitha (19471A0111) & III B.Tech, Civil SK.Yasin (21475A0109) got First Prize in NOVUM-2K23 (Model Making) in CIET, Guntur on 17-03-2023.

IV B.Tech, Civil, Ch.Pujitha (19471A0111) got First Prize in NOVUM-2K23 (PPT) in CIET, Guntur on 17-03-2023.





K.Rosaiah (19471A0124), P.Koteswara Rao (21475A0113) & N.Gopal Koteswara Rao (21475A0119) got First Prize in NOVUM-2K23 (Technical Quiz) in CIET, Guntur on 17-03-2023.



IV B.Tech, Civil, Ch.Pujitha (19471A0111) got first Prize in LUCENT-2K23 (Puzzle) in JNTUN, Narasaraopet on 11-04-2023.

IV B.Tech, Civil, Ch.Pujitha (19471A0111) got first Prize in LUCENT-2K23 (PPT) in JNTUN, Narasaraopet on 11-04-2023.



IV B.Tech, Civil, Ch.Pujitha (19471A0111) & T.Subrahmanyam (20475A0134) got second Prize in LUCENT-2K23 (Quiz) in JNTUN, Narasaraopet on 11-04-2023.

Ch.Chiranjeevi (22475A0104), M.Sai Nagendra (22475A0115) & T.N.Kesav (22475A0118) got first Prize in LUCENT-2K23 (Quiz) in JNTUN, Narasaraopet on 11-04-2023.



Twenty four students from II B.Tech completed their NPTEL course



T.Mohan Gopi presented "Seismic Response of R.C.C High Rised Buildings in Different Zones with Location of Shear Wall" in NEC-ICETCE 2K23, Organized by Civil Engineering Department at NEC from 23-24 June 2023.

P.Sharuk Khan presented "Study on Strength Properties of Concrete by Replacement of Cement by Egg Shell, Rice Husk Ash and Fly Ash" in NEC-ICETCE 2K23, Organized by Civil Engineering Department at NEC from 23-24 June 2023.

E.Santosh Kumar presented "Strength and Durability Properties of Self-Compaction Concrete" in NEC-ICETCE 2K23, Organized by Civil Engineering Department at NEC from 23-24 June 2023.

Twelve students from IV Civil placed in TECHMAHINDRA and are listed below.

19471A0102	Ainala Bharath Kumar
19471A0107	Arekanti Sivaji
19471A0113	Cherukuri Raju
19471A0121	Gunturu Sai Pragna
19471A0127	Karasala Mastan Rao
19471A0139	Nagam Akhil Krishna
19471A0147	Priyanka Marriboyina
19471A0155	Shaik Pedda Baji
20475A0108	Konatham Koteswara Rao
20475A0124	Ragam Karunakar
20475A0137	Daggumati Manohar
20475A0155	Gunisetty Venkateswarlu

Thirteen students from IV Civil placed in SAVANTIS Solutions India Pvt Ltd and are listed below

19471A0108	Bandaru Kiran Raju
19471A0116	Dupati Narasimha Rao
19471A0124	Kakani Rosaiah
19471A0132	Kovuri Karuna Kumar
19471A0145	Pasupuleti Venkata Naga Narasimharao
19471A0154	Shaik Mahaboob Khaja
20475A0106	Kancharagunta Krishna Deep
20475A0122	Poppusani Narsi Reddy
20475A0131	Gunji Teja Kiran
20475A0143	Koppula Madhuri
20475A0146	Bojjagani Tejaswi
20475A0153	Gutthi Dharma Teja Sai

Thirteen students from IV Civil placed in TATA STRIVE and are listed below.

19471A0106	Annam Sri Devi Vara Prasad
19471A0117	Ganjimalla Solomon Praveen
19471A0131	Kotapati Siva
19471A0142	Parakandla Sai Charan
19471A0151	Shaik Arifulla
20475A0104	Yajali Vamsi
20475A0113	Kotthala Vandana
20475A0123	Kokati Naga Yasaswini
20475A0135	Gudipudi Siva Naga Manikanta
20475A0136	Arava Kasaiah
20475A0141	Kolakani Venkata Thirupathi Rao Raju
20475A0147	Munaga Lakshmaiah
20475A0154	Thaticherla Venkata Kasi Bharath

Important Activities held in the Department

Civil Engineering Department of Narasaraopeta Engineering College, Narasaraopet organized an Expert lecture on "Analysis of Waste water for Utilization in Concrete" delivered by Dr.M.Karthikeyan, Associate Prof, Vignan's University on 24-01-2023. All the II, III, IV B.Tech civil engineering students participated in this program.





Civil Engineering Department of Narasaraopeta Engineering College, Narasaraopet organized an Expert lecture on "Utilization of Industrial and Agricultural by-Products in the construction sector: A waste to Wealth Approach" delivered by Dr.SK. Mahabub Subhani, Assistant Professor, NIT-AP on 09-03-2023. All the II, III, IV B.Tech civil engineering students participated in this program.

In Collaboration with Ladder Survey Institute of Technology, Chennai, The Civil Engineering Department of Narasaraopeta Engineering College, Narasaraopet organized a five days' workshop on "land survey using total station" from February 13th to February 17th, 2023. Mr. MR. Dinesh, chief executive officer, served as resource people for this training. About 109 civil students in their final year took part in this program.



In Association with APSSDC the Civil Engineering Department of Narasaraopeta Engineering College, Narasaraopet organized a two-week workshop on "ETABS" from 27th Feb 2023 to 10th March 2023. Ms. M. Pravallika, APSSDC Trainer served as resource people for this training. About 111 civil students in their final year took part in this program.





Narasaraopeta Engineering College organized Farewell Party on 21st March 2023 at the college auditorium, where students of B.Tech 3rd year bid farewell to the outgoing students of B.Tech final year with great enthusiasm. Function began with a floral welcome of Mr.M.V.Koteswara Rao, Chairman, Mr. Dr.M.Sreenivasa Kumar, Principal, Er.R.Raja Naik, Executive Engineer, R&B Department, Mrs. Dr.P.Naga Sowjanya, HOD of Civil Engineering Department by staff and students.

Civil Engineering Department of Narasaraopeta Engineering College, Narasaraopet organized an Expert lecture on "Concrete Technology" delivered by Dr. M. Sathish Kumar, Assoc Professor, KHIT on 26-04-2023. III B.Tech civil engineering students participated in this program.





Civil Engineering Department of Narasaraopeta Engineering College, Narasaraopet organized an Expert lecture on "Water Quality Assessment" delivered by Dr. D. Satish Chandra, Professor, Vignan University on 27-04-2023. III B.Tech civil engineering students participated in this program.

JUBILATION 2K23

The Department of Civil Engineering successfully completed Jubilation 2K23 i.e A National Level Student Tech Fest. Around 125 students participated from different Colleges in the events like Technical Puzzle, Model Making, Technical Quiz and Technical Paper Presentation. Dr.J. Jaya Krishna, Associate Professor from Chalapathi Institute of Technology acted as a Judge for the above events. Following are the winners list for the above Events.

PowerPoint Presentation:

The details of Power point presentation winners are mentioned



S. No.	Participant Name	College Details	Position
1	T.Subramanyam (20475A0134) & G.Mani Kanta (20475A0135)	NEC, Narasaraopet	I
2	SK.MD.Ibraheem & K.Mohan Venkat	JNTU-Narasaraopeta	II
3	V.Bala Manikanta	KITS,Guntur	III

The details of technical quiz winners are mentioned



S. No.	Participant Name	College Details	Position
1	B.Vamsi (21475A0121) P.Koteswara Rao (21475A0113) N.Gopal(21475A0119)	NEC, Narasaraopet	I
2	A.Pooja(19471A0101) K.Rosaiah(19471A0124) V.Gopi(20475A0130)	JNTU-Narasaraopeta	II

The details of Model making winners are mentioned



S. No.	Participant Name	College Details	Position
1	Sk.Abdul Khadar Jilani (20475A0114) B.Sarath Reddy (20475A0138) B.Sandeep Kumar (20475A0140)	NEC, Narasaraopet	I
2	S.Koti Reddy(20471A0150) I.Hemanth (20471A0102) G.Mahesh (20471A0109)	NEC, Narasaraopet	II
3	G.Anil Kumar (20475A0109) A.Kasaiah (20475A0136) Y.Vamsi (20475A0104)	NEC, Narasaraopet	III

The details of Technical Puzzle winners are mentioned



S. No.	Participant Names	College Details	Position
1	Ch.Pujitha (19471A0111)	NEC, Narasaraopet	I
2	Sk.Yasin (20475A0109)	NEC, Narasaraopet	II

Civil Engineering Department has organized 3rd International conference on "ICETCE 2K23" conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 23-6-2023 to 24-6-2023.



Industrial Visit

The Department of Civil Engineering organized an industrial visit for 22 Batch II B.Tech CE (Laterals) Students to visit Mittapalli Spinners Ltd., Kotappakonda Road, ChinaTurakapalem, Narasaraopet, on February 06, 2023 as part of extracurricular activities. There were 32 students and one faculty members present when they visited the factory units.



Alumni Interaction:

P.Aalay Bhanu (18471A0134) shared his knowledge regarding career options experience with IV B.Tech civil students.



Academic Toppers

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







Alumni Voice

I feel fortunate to be a student of Narasaraopeta Engineering College as it helped me to both on personal and professional front. It inculcated a lot of intra and interpersonal skills which helped me in all round development. Teaching by the senior faculty and the field exposure in my college life has helped me a lot in securing a good job. Personal care towards me by the faculty members has helped me in qualifying 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.



D.Narasimha Rao
19471A0116
Site Engineer,
Aranya Constructions,
Eluru

Student's Voice

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



Sk. Yasin
21475A0109
IV B. Tech

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Vision

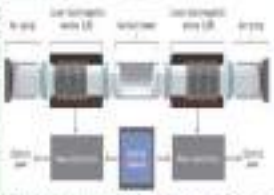
- To impart **student centric education** in the field of Electrical & Electronics Engineering to transform the individuals into competent engineers with focus on **research and ethics**.

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.

NEW TRENDS

LINEAR GENERATOR



The linear electromagnetic machine LEM, in principle, is an electric motor that has been unrolled to form a line instead of a circle. It consists of a moving part--the translator—and a sta¬tionary part—the stator. The translator is a long, straight tube with an array of neodymium permanent magnets attached to the perimeter, near the centre. An end plate caps each translator tube and seals to the inner surface of the reac¬tion chamber. The capped end of the translator does the actual compression, as the piston would in an engine, but it is wildly different in design. The stator is a series of copper coils. As the translator moves back and forth in a straight line inside the coils, the magnets generate current that feeds to DC bus.

It works rather like regenerative brak¬ing. An electric car's motor acts in reverse, as a generator, to convert the car's motion into electricity, to feed the batteries. Here, the LEM con¬verts the translator's kinetic energy into electricity. The linear gen¬erator is fuel agnostic—it can run on a wide range of fuels, including natural gas, biogas, hydrogen, ammonia, syngas, and even alcohols without compromising performance.

THE IMPORTANCE OF SUBSTATION GROUNDING SYSTEM



The future of substation grounding systems is very bright. Technological advances are making it possible to increase the safety and efficiency of substations. Newer systems are being developed that will incorporate intelli-gent sensors and monitoring systems. This will allow for more precise monitoring of the ground system and more accurate identification of potential faults. Improve-ments in materials and design are making it possible to create more robust and reliable systems that can handle more load and provide more protection. The use of renewable energy sources such as solar and wind is also becoming increasingly popular, requiring substations to be equipped with ground systems that are compatible with these energy sources.

FACULTY FOCUS

International Journals:

Mr. G.Naveen has presented a paper on "Energy Management Control for Dual Power Source Powered Electric Vehicle" by International Transaction on Electrical Engineering and Electrical Science, Vol2, No: 1, pp: 1-13, March 2023.

FDPS ATTENDED:

Mrs.P.Bramaramba vathi attended & certified an UHV-FDP on "Inculcating Universal Human Values in Technical Education" during 16-01-23 to 20-01-23 organized by AICTE, NEW DELHI.

The following faculty members are attended & certified an UHV-FDP on "Inculcating Universal Human Values in Technical Education" during 30-01-23 to 03-02-23 organized by AICTE, NEW DELHI.
G. Naveen, Sk. Abdul Kalam, P. Naganjaneyulu

Mr.P.D.V.S.K.Kishore attended & certified a five day Online National Level FDP on "Electric Vehicle Technology and Battery Management Systems-Challenges, Opportunities and Indigenous Solutions" from 06-02-23 to 10-02-23 organized by Department of Electrical & Electronics Engineering, Presidency University, Bangalore in Associa-tion with EV Retron Energies Pvt Ltd,Hyderabad.

Mrs.S.Saritha attended & certified an UHV-FDP on "Inculcating Universal Human Values in Technical Education" during 20-02-23 to 24-02-23 organized by AICTE, NEW DELHI.

The following faculty members are attended & certified a one week FDP on "Advances In Renewable Energy & Electric Vehicles" during 20-02-23 to 24-02-23 organized by department of Electrical & Electronics Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru.
Sk.Karimulla, P. Naganjaneyulu

The following faculty members are participated & certified in IP Awareness / Training Program under "National Intellectual Property Awareness Mission" on 10-03-23 organized by Intellectual Property Office, India.
M. Chandra Sekhar, P. Naganjaneyulu, G. Naveen

The following faculty members are participated & successfully completed 20 hours fast track course on "Electric Vehicles" organized by Sri Ramakrishna Engineering College in Association with Department of EEE, Coimbatore held during 02 – 05, May 2023.
Dr.SK.Md.Shareef, P.D.V.S.K.Kishore, Sk.Karimulla, Sk.Abdul Kalam, G.Naveen, P.Naganjaneyulu, P.Raghava Rani, S.Saritha

The following faculty members are participated & certified in third International Virtual Conference on " Recent Trends in Power Systems and Power Electronics" organized by Department of EEE, NEC held on 10-06-2023.

Dr.P.Lakshmanan, Dr.Sk.Md.Shareef, M. Chandra Sekhar, G.Naveen, P.Bramaramba vathi, P. Naganjaneyulu

WORKSHOPS ATTENDED

Mr.P.D.V.S.K.Kishore attended & certified a five day Online National Level Workshop on "Modern Power System" from 10-02-23 to 14-02-23 organized by Department of Electrical & Electronics Engineering of NIT, Nagaland.

Mr.P.Naganjaneyulu attended & certified a five day Online National Level Workshop on "Modern Power System" from 10-02-23 to 14-02-23 organized by Department of Electrical & Electronics Engineering of NIT, Nagaland.

Mr.P.D.V.S.K.Kishore attended & certified a five day Workshop on "Statistical Analysis Using Python" from 06-03-23 to 11-03-23 organized by Department of Humanities & Sciences, CSE (CYS, DS) and AI & DS.

NPTEL Course Details

Name of the Faculty	Title	Course Duration
Dr. Sk.Md. Shareef	Digital Protection of Power	Jan to March, 2023
Sk. Karimulla	Design, Technology & Innovation	Jan to March, 2023
P. Naganjaneyulu	Design, Technology & Innovation	Jan to March, 2023
Dr.P.Lakshmanan	High Power Multilevel Converters – Analysis, Design and Operational Issues	Jan to March, 2023
P. Bramaramba vathi	Enhancing Soft Skills & Personality	Feb to April, 2023
G.Nagaraju	Introduction to Research	Feb to April, 2023
M.Chandra Sekhar	Introduction to Research	Feb to April, 2023
P.Raghava Rani	Introduction to Research	Feb to April, 2023
S.Saritha	Introduction to Research	Feb to April, 2023

Organized Programs:
JUBILATION-2K23

The department of EEE organized A National level students TECH-FEST In Association with Indian Society for Technical Education (ISTE) on 04-03-2023.





Technical Paper Presentation Contest was conducted on 04-03-2023 at seminar hall, Department of EEE.

The Project Expo event is conducted by the department of EEE on 04-03-2023.





The Technical Quiz Program was conducted by the Department of EEE on 04-03-2023.

FAREWELL PROGRAM

The Department of EEE III Year Students Organized Farewell Function for the IV Year Students held on 17-03-2023.





THIRD INTERNATIONAL VIRTUAL CONFERENCE

The department of EEE organized a third International Virtual Conference on "Recent Trends in Power Systems and Power Electronics –2K23" (NEC-ICPSPE-2K23) In Association with ISTE which will be held on 10-06-2023.





The Conference Poster is released by the honorable Chairman Sri M.V. Koteswararao garu, Principal M.Srinivasa Kumar, Vice-Principal Dr.D. Suneel, Head of the Department Dr.P. Lakshmanan, Convenor Mr.M.Chandra Sekhar and Department Faculty.

Dr. PRATAPA RAJU M, Sr. Teaching Faculty SDC co-chair: Engineering Dept. College of Engineering and Technology, University of Technology and Applied Science - Ibra, Sultanate of Oman, deliver Keynote address virtually on 10-06-2023 and his research experience and insides on emerging Technologies.





The enthusiastic participants gave an outstanding feedback about keynote speaker and helped in attaining the knowledge on the topic "Recent Trends in Power Systems and Power Electronics".

Student Focus
NPTEL Course Details

Student Details	Title	Course Duration	No.of Students Completed
IV-II	Data Mining	Jan-April, 2023	2
	Cloud Computing and Distributed Systems	Jan-April, 2023	1
	The Joy of Computing using Python	Jan-April, 2023	9
III-II	Cloud Computing	Jan-April, 2023	12
	Design, Technology and Innovation	Jan-April, 2023	21
	An Introduction to Artificial Intelligence	Jan-April, 2023	3
	Power System Engineering	Jan-April, 2023	1
II-II	Design, Technology and Innovation	Jan-April, 2023	1
	Cloud Computing	Jan-April, 2023	3
	Introduction to Internet of Things	Jan-April, 2023	3

AICTE - PARAKH

From IV B.Tech, II-Sem EEE, 38 Students are attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.





From III B.Tech, II-Sem EEE, 28 Students are attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.

From II B.Tech, II-Sem EEE, 57 Students are attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.



STUDENT ACHIEVEMENTS:

TECHNO – MANAGEMENT FEST

G. YESWANTH REDDY (20475A0269) of IV EEE has won First Prize in the event of CRICKET TOURNAMENT in a National Level student Techno – Management Fest organized by KHIT, held on 05-01-2023.

ESSAY WRITING COMPETITION

B.NARASIMHARAO (20471A0206) of III EEE has won First Prize in the event of Essay Writing Competition conducted on the occasion of Birth Anniversary of Swami Vivekananda organized by Narasaraopeta Engineering College on 10-01-2023.

POSTER PRESENTATION

ASHRAF JAHA, (22471A0224) of I EEE has won Second Prize in the event of Poster Presentation conducted on the occasion of Sankranthi Celebrations – 2023 organized by Narasaraopeta Engineering College on 11-01-2023.

ELOCUTION COMPETITION

V.SRUTHI (21471A0228) of II EEE has won the Third Prize in the event of Elocution Competition conducted on the occasion of 13th National Voter's Day organized by Narasaraopeta Engineering College on 25-01-2023.

REPUBLIC DAY CELEBRATIONS-2K23

The following II EEE Students are participated in the event of REPUBLIC DAY CELEBRATIONS-2K23 conducted on the occasion of Republic Day organized by District Sports Authority Stadium, Palnadu District, Narasaraopet held on 26-01-2023.

U. Muthaiah (21471A0228), M. Venkata Suswanth (21471A0207)

ARTISTIC YOGASANA SOLO

D.NAGANJALI (22475A0222), II EEE has won the First Prize in the event of ARTISTIC YOGASANA SOLO held as a part of Vignan Mahostav 2023 organized by Vignan's Foundation for Science,Technology & Research from 15-02-2023 to 17-02-2023.

TRADITIONAL YOGASANA

D.NAGANJALI (22475A0222), II EEE has won the First Prize in the event of TRADITIONAL YOGASANA held as a part of Vignan Mahostav 2023 organized by Vignan's Foundation for Science, Technology & Research from 15-02-2023 to 17-02-2023.

MAHOSTAV GOT TALENT

D.NAGANJALI (22475A0222), II EEE has won the First Prize in the event of MAHOSTAV GOT TALENT held as a part of Vignan Mahostav 2023 organized by Vignan's Foundation for Science, Technology & Research from 15-02-2023 to 17-02-2023.



INTER COLLEGE SPORTS FEST-2023

The following II EEE Students are participated in the event of Kabaddi and Secured First Position as a part of Inter College Sports Fest-2023 Organized by RK College of Engineering, Vijayawada held on 25-02-2023.

L.Prasanth (22475A0255)
K.Koteswara Rao (21471A0209)



PROJECT EXPO

The following students are participated in the Event of Project Expo held as a part of Jubilation - 2K23, A National Level Student Tech Fest and won the First Prize organized by Department of EEE, NEC held on 04-03-2023. K. Pavan Kalyan (20475A0209)
U. Prasanna Kumar (20475A0229) K.Srikanth (20475A0243)

The following students are participated in the Event of Project Expo held as a part of Jubilation - 2K23, A National Level Student Tech Fest and won the Second Prize organized by Department of EEE, NEC held on 04-03-2023. B. Venkata Sumanth (20475A0267)
A. Balaji (19471A0202) Sk. Gouse Basha (19471A0224)

TECHNICAL QUIZ

The following students are participated in the Event of Technical Quiz held as a part of Jubilation - 2K23, A National Level Student Tech Fest and won the First Prize organized by Department of EEE, NEC held on 04-03-2023. V. Pranay Naga Sai (21475A0230)
M. Kesava Krishna (21475A0221) K. Durga Sankar (21475A0226)

TECHNICAL PAPER PRESENTATION

G. Mohammad Ishamail (22475A0214) of II EEE has won the First Prize in the Event of Technical Paper Presentation held as a part of Jubilation - 2K23, A National Level Student Tech Fest organized by Department of EEE, NEC held on 04-03-2023.

The following students are participated in the Event of Technical Paper Presentation held as a part of Jubilation - 2K23, A National Level Student Tech Fest and won the Second Prize organized by Department of EEE, NEC held on 04-03-2023.

K. Manikanta (20471A0217) R. Shyam Sundar (21475A0232)

INTERNATIONAL WOMEN'S DAY

K.SAILEELA (22475A0226), II EEE has won the Third Prize in the event of ESSAY WRITING held as a part of International Women's Day 2023 organized by Narasaraopeta Engineering College held on 01-03-2023.

A.SUSMITHA (22475A0225), II EEE has won the Third Prize in the event of Best From Waste & Painting Art held as a part of International Women's Day 2023 organized by Narasaraopeta Engineering College held on 17-03-2023.

TEC PRAYAGA-2K23

The following II EEE Students are participated in the event of Kabaddi and Secured First Position as a part of TEC PRAYAGA-2K23 Organized by Tirumala Engineering College, Jonnalagadda from 16-03-2023 to 17-03-2023.

L.Prasanth (22475A0255) K.Koteswara Rao (21471A0209)

VIDYOUTH-2K23

The following students are participated and won First Prize in the event of Project Expo conducted as a part of VIDYOUTH-2K23 organized by JNTU College of Engineering, Narasaraopeta on 13-04-2023.

K. Pavan Kalyan (20475A0209) U. Prasanna Kumar (20475A0229)

The following students are participated in the event of Project Expo conducted as a part of VIDYOUTH-2K23 organized by JNTU College of Engineering, Narasaraopeta held on 13-04-2023.

N.Lokesh Sai (19471A0216) V. Harsha Vardhan (19471A0227)
B.Naga Pravallika (20475A0221) P.Ramanjaneyulu (20475A0249)
S.V.SivaKumarReddy (20475A0258)

INTERNATIONAL DAY OF YOGA

D.NAGANJALI (22475A0222), III EEE has won the First Prize in the Yogasana competitions organized by Guntur Yoga Teachers as a part of International Day of Yoga on 21-06-2023.

ALUMNI INTERACTION:

The Alumni student Mr.K.Ashoka Chakravarthi (04471A0243), Chief Technical Officer (CTO), Charge House, Hyderabad has delivered A Technical Talk on the "Applications of Charge Controllers" in Electric Vehicles to IV B. Tech students on 28-01-2023.





The Alumni student Mr.SK.Sharukh (19475A0245), Assistant Engineer (AE), TOSHIBA Transformers, Hyderabad has delivered A Technical Talk on "Design & Testing of Transformers" to IV B.Tech students on 09-02-2023.





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 II B.Tech Lateral students are visited Mittapalli Spinners Ltd. On 31-01-2023.





TRAINING PROGRAMS ORGANIZED

CRT – Training Program is conducted for III B.Tech EEE Students from 09-02-23 to 29-02-23 organized by Bytexl team.





CRT – Training Program is conducted for II B.Tech EEE Students from 15-03-23 to 01-04-23 organized by Bytexl team.

Azure and TCS – Training Program is conducted for III B.Tech EEE Students from 26-04-23 to 13-05-23 organized by Bytexl team.



ALUMNI VOICE:

The systematic approach towards imparting Education at NEC made me as a competent individual. In four years of my graduation, I faced different aspects of life. Those years at NEC are the best for concerning learning, experience & gaining exposure to fields.



B.V.SUMANTH
Assistant Trainee Engineer
TCS COMPANY

The faculty are very supportive & encourage students to reach above expectations, NEC focus on overall development of every student in education, cultural awareness & practical of business world. Finally, I would take to thankful to the entire NEC family for their support & motivation in my carrier building & to fulfill my dreams.

STUDENT'S VOICE:

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



B.B.T. SUNDARI
21475A0220
2020 Batch

Our department faculty are so supportive & encourage me & my friends 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.

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

4D Printing:



Basically, 4D printing is a renovation of 3D printing wherein special materials to print objects that change shape post-production. A trigger may be water, heat, wind and other forms of energy.

The technology is still pretty much in research and development. In some labs or prototyping facilities, 4D printing is already used. You may also witness this technology as part of art installations and architectural exhibitions.

But as a consumer, you can't just walk into a store and buy a "4D printer" or get a license to "4D print" something. It is more likely that you will one day cross paths with 4D printing in your everyday life without even realizing it. Be it in the form of medical implants or mechanical systems that reshape their configuration with the change of environmental conditions.

Faculty Focus:

Faculty publications:

Dr.B.Venkatasiva, HOD ME, Dr.M.Venkanna Babu, Professor, Dr. Penugonda Suresh Babu Professor and Ch.Sekhar, Associate professor published a Journal paper entitled "Modeling and Analysis of Composite Leaf Spring Accordance with the Applied Loads", Indexed by Scopus INTERNATIONAL Journal Of NeuroQuantology |January 2023 | Volume 21 | Issue 2| Page 327-334| Doi: 10.48047/NQ.2023.21.2.NQ23037.

Dr.B.Venkata siva, HOD ME ,Ch.Sekhar, Associate professor, Dr. MVenkanna babu , Associate professor Mr.A.Pavan Kumar, Assistant professor published a Journal paper entitled "Pick and place operation by collaborating electromagnetic and pneumatic gripper robots", Science direct –Materialstoday Proceedings Journal Of Mechanical Engineering online available on 28 june 2023.

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

Dr.P.Suresh babu, Professor, CH.Sekhar, Associate Professor, K.Kiran chand, Assistant Professor, and K.John babu, Assistant Professor, attended through online mode one week FDP on "Innovations in Mechanical Engineering", this faculty development programme conducted by Vasireddy Venkatadri Institute of Technology Engineering college , Namburu, Pedakakani, Guntur, Andhra Pradesh from 26/12/2022 to 30/12/2022.

Dr.B.Venkatasiva, HOD ME acted as a Manuscript Peer Reviewer title "The Evaluation and Improvement of the Production Processes of an Automotive Industry Company via Simulation and Optimization", Journal Electronics (ISSN 2079-9292) Manuscript ID Manuscript ID sustainability-2155087.

Dr.B.Venkatasiva, HOD ME attended as a guest for"Samkalp – A National level student Techno Management FEST", organized by Kallam Haranadha reddy Institute of Technology, Guntur on 05/01/2023.



Dr.B.Venkata siva, HOD ME delivered keynote lecture on "Current Tends in 3D priniting", as a part of SAMKALP–2K23 A National level student Techno Management FEST", organized by Kallam Haranadha reddy Institute of Technology, Guntur on 05/01/2023.



Dr D.Suneel Vice Principal NEC participated in a one week FDP on "Developing Academic and Administrative Leadership", Organized by Curriculum Development Centre Department, NITTTR, Chandigarh from 12/12/2022 to 16/12/2022.

Dr D.Suneel Vice Principal NEC participated in a one week FDP on "Funding Opportunities in Engineering", Organized by Curriculum Development Centre Department, NITTTR ,Chandigarh from 14/11/2022 to 18/11/2022.

Dr.D.Suneel, Vice Principal NEC and Dr.B.Venkata siva, HOD ME attended online workshop on "Intellectual Property Rights (IPR), patents and design filing", through online mode organized by Vikrant Institute of Technology and Management, Indore on 04/02/2023.



Dr.B.Venkata siva, HOD ME delivered keynote guest lecture on "Hands on training on 3D priniting", at Narasaraopeta Institute of Pharmaceutical Sciences, on the occasion of National Science day on 28/03/2023.



Dr.B.Venkata siva, HOD ME, Participated a Two Day National Conference on "Advanced Functional Device Materials(NCAFDM 2023)" organised by Department Of Physics University College Of Sciences Acharya Nagarjuna University, Guntur (Dt.), Andhra Pradesh, from 27/02/2023 to 28/02/2023.

A.Pavan kumar, department faculty attended JNTU-Kakinada Ratification for Assistant Professors on 09/03/2023.

Dr.D.Jagadish, Professor acted as a Manuscript Peer Reviewer in "2ND International Conference on Mechanical Engineering and Emerging Technologies ICTMEET 2023", organized by Bapatla Engineering College, Bapatla from 03/03/2023 to 04/03/2023.

Dr.D.Suneel, Vice Principal NEC,.Dr.B.Venkata siva, HOD ME and Dr.Venkannababu Mendi, Associate Professor are attended a three day course on "Course On Advanced Composite Production", organized by by Institute for textile chnikder RWTH Aachen University from 07/03/2023 to 09/03/2023.

Ten faculty from department attended training program through online mode on "IP Awareness/Training program", under National Intellectual Property Awareness Mission (NIPAM) organized by Intellectual Property office, India on 13/03/2023.

Dr.D.Jagadish, Professor from department attended JNTU-Kakinada Ratification for Professors on 16/03/2023.

Dr.Penugonda Suresh Babu, Associate Professor from department attended JNTU-Kakinada Ratification for Associate Professors on 16/03/2023.

Dr.D.Suneel, Vice Principal NEC attended a one week faculty development training program on "Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering", organized by Seshadri Gudlavalleru Engineering College (Autonomous), Gudlavalleru from 06/03/2023 to 10/03/2023.

Dr.B.Venkatasiva, HOD ME acted as a Manuscript Peer Reviewer title "A study of laser removal process of Al-Si coating from 22MnB5 steel", Journal Materials (ISSN 1996-1944) Type Manuscript ID materials-230257

Dr.D.Suneel, Vice Principal NEC and Dr.B.Venkata Siva, Professor HOD-ME attended webinar on "Automating and Simplifying NAAC/NBA Accreditation and NIRF Data Submission for Institutions", though online mode on 28/04/2023.

Dr..P.Suresh babu, Associate professor, Ch.Sekhar, Associate professor, Mr.A. Pavan Kumar, Assistant professor Mrs P.Sravani, Assistant professor and Mrs. D.Raghavendra Assistant professor are attended Faculty Development program through online mode on "Recent Developments in Mechanical Engineering", organized by Eswar College of Engineering. Narasaraopet during 19/06/2023 to 23/06/2023.

T.Ashok kumar, Assistant professor attended Faculty Development program through online mode on "Advancement in Mechanical Engineering", organized by Lakireddy Bali Reddy College of Engineering, Mylavaram,during 19/06/2023 to 24/06/2023.

FACULTY CERTIFICATIONS:

Dr.B.Venkatasiva, HOD ME completed certification course on "Quality Assurance through NAAC Accreditation process", from NPTEL online certification program on 05/03/2023.

Dr.M.Venkanna Babu, Associate Professor completed certification course on "Mechanical Measurement system with 50 %", from NPTEL Certification (Feb – April 2023).

A.Pavan kumar, Assistant Professor completed certification course on "Mechanical Measurement system with 47 %", from NPTEL Certification (Feb – April 2023).

DEPARTMENT ACTIVITIES:

Department has organized a One Week Workshop On "DESIGN AND ASSEMBLY OF 4 - WHEELER EV GOLF CART", from 02/01/2023 to 07/01/2023 in Association with SKYY RIDER ELECTRIC PVT. LTD. - Bhuvaneshwar, Odisha.





Department has organized a "Design Now Workshop Session-2 (Online)",on 05/01/2023 in Association with ICT ACADEMY and Autodesk Fusion 360 at Dassault Systemes Lab

Mechanical Engineering department staff and students participated "Republic day celebrations", on 26/01/2023.





Department has organized Project review- I for final year students on 17/02/2023 Dr.B. VenkataSiva, Professor HOD-ME, Dr.D. Jagadish, Professor, Dr.Penugonda Suresh Babu, Professor Dr.Venkannababu Mendi, Professor and Ch.Sekhar, Associate Professor are acted as Panel members.

Department has organized Mini Project review- II for third year students from 24/02/2023 to 25/02/2023 Dr.B.VenkataSiva, Professor HOD-ME, Dr.D.Jagadish, Professor, Dr.Penugonda Suresh Babu, Professor Dr.Venkannababu Mendi, Professor and Ch. Sekhar, Associate Professor are acted as Panel members.





Department has organized JUBILATION - 2K23 Event "NATIONAL LEVEL STUDENT TECHFEST", in Association with The Institute of Engineers (India) , Indian Society For Technical Education(ISTE) on 04/03/2023. The Event is Inaugurated by M.Koteswrarao garu (Hoorable chairman) and Dr.M.Sreenivasa kumar, Principal NEC.Total 250 Students were enrolled for different activities.

Department has organized Main Project review- III for final year students from 06/03/2023 & 08/03/2023 Dr.B.VenkataSiva, Professor HOD-ME, Dr.D.Jagadish, Professor, Dr.Penugonda Suresh Babu, Professor Dr.Venkanrababu Mendi, Professor and Ch.Sekhar, Associate Professor are acted as Panel members.





Department has organized a guest lecture for final year students on "Role of Additive Manufacturing in Medical Engineering" ,by Dr P.S.Rama Sreekanth, Professor in School of Mechanical Engineering, VIT AP on 10/03/2023.

Department has organized a Career Guidance Talk for final year students on "Research Opportunities for Students of Mechanical Engineering", by Dr G.Suresh , Associate Professor in Department of Mechanical Engineering, VIT AP on 10/03/2023.





Department has organized Mini Project final review for third year students on 18/03/2023 Dr.B.Venkata-Siva, Professor HOD-ME, Dr.D. Jagadish, Professor, Dr.Penugonda Suresh Babu, Associate Professor Dr. Venkannababu Mendi, Associate Professor and Ch.Sekhar, Assistant Professor are acted as Panel members.

Department has organized a "Design Now Workshop Session-3 & Competition (Online)", for 40 ICT registered students on 20/03/2023 .For this seminar Mrs. K. Kalyani - Senior Technical Trainer (ICT ACADEMY), and Mr. Kranthi Kumar Palisetty - Senior Technical Trainer (ICT ACADEMY) are acted as a Resource persons.





Mechanical Engineering Department has submitted NBA SAR on 25/04/2023.

Department has organized "Summer CRT Training (Azure + TCS)", for third year students from 26/04/2023 to 13/05/2023 T.Vishnu Trainer bytexl Hyderabad acted as Resource person.





Department has organized training program on "Jan Bhagidari And Precursor Events", for final year students in Association with Andhra Pradesh State Skill Development Corporation (APSSDC) during 01/06/2023 to 15/06/2023.

Department of Mechanical Engineering Successfully Inaugurated third International Conference On "Emerging Trends in Mechanical Engineering and Industrial Automation, NEC - ICETMEIA2K23", which is scheduled during 9th & 10th June 2023.Vice Chairman - Sri M.S. Chakravarthi garu, Principal - Dr. M. Sreenivasa Kumar sir, Vice-Principal- Dr. D. Suneel sir and HOD- Dr. B. Venkata Siva Sir, addressed the participants in the Inaugural session.Keynote presentation delivered by Mr. Feroz Khan Pathan. Data Scientist, EFAB Industrial Solution, United Kingdom (UK).



MOUs:



Department has made an exchange of MOU with "Central Institute of Petrochemicals Engineering & Technology (CPIET)", for this exchange of MOU Dr.M.Sreenivasa kumar , Principal NEC, Dr.D.Suneel & Vice Principal , Dr B.Venkatasiva ,HOD-ME attended on 17/03/2023.

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

Mechanical Engineering around 20 students participated in "A National level student Techno Management FEST", organized by Kallam Haranadha Reddy Institute of Technology, Guntur on 05/01/2023.
P.Krishna Chaitanya and E. Mohan sai got first prize in PPT.





Syed. Sardar vali and G.Sandeep got second prize in Project Expo .

K.Prudhvi Yashwanth Reddy and Shaik Mahammad Bilal got first prize in Project Expo.





Mechanical Engineering Students participated in 3D art Competition on the occasion of Sankranti sambaralu on 11/01/2023.

B. Srinivas third year and N. BalaNaveen final year students participated and won first prize in 3D art Competition on the occasion of Sankranti sambaralu on 11/01/2023.

Final year students participated in iLenSys Technologies Private Limited placement drive held on 24/01/2023.

Ten students from Final year mechanical got campus placement in Timken Engineering & Research India Pvt Ltd held on 27/01/2023



SK.Manisha third Year, Y.Hemalatha meghana, S.Sai Santosh and N. Suresh second year ME students participated And Won Ist Prize in National level IDEATHON -2022 organized by NEC Institution Innovation Council on 16/12/2022.



M.A.Nagendra Babu Final Year ME A section student participated And Won Ist Prize in National level IDEATHON -2022 organized by NEC Institution Innovation Council on 16/12/2022.



L.Ram Babu, U.Lokesh and B. Yuvaraju second year ME students participated And Won consolation Prize in National level IDEATHON - 2022 organized by NEC Institution Innovation Council on 16/12/2022.

Department has organized "CRT Training", for Third year students from 09/02/2023 to 28/02/2023 T. Vishnu Trainer bytexl Hyderabad acted as Resource person.





Students participated in CAD Master Competition on the occasion of JUBILATION -2K23 NATIONAL LEVEL STUDENT TECHFEST on 04/03/2023.

Students participated in Project Expo Competition on the occasion of JUBILATION -2K23 NATIONAL LEVEL STUDENT TECHFEST on 04/03/2023.





Students participated in Technical Paper Presentation Competition on the occasion of JUBILATION -2K23 NATIONAL LEVEL STUDENT TECHFEST on 04/03/2023.

Students participated in Technical Quiz Competition on the occasion of JUBILATION -2K23 NATIONAL LEVEL STUDENT TECHFEST on 04/03/2023.





Department has organized "CRT Training", for second year students from 14/03/2023 to 18/03/2023 T. Vishnu Trainer bytexl Hyderabad acted as Resource person.

Battula.Yuvaraju second year mechanical student participated and won third prize in "G-20 summit program (Quiz and Debate competition)", competition organized at VSR & YRN COLLEGE, 23(A) BN NCC office, Chirala 13/03/2023.



Students from third year participated and won first and second prizes in Project Expo and technical quiz at Tirumala Engineering College, Narasaraopet in PRAYAGA-A Two Day National Level Cultural Symposium event during 16/03/2023 to 17/03/2023.





Students from third year participated and won first and second prizes in Project Expo and Technical quiz at Narasaraopeta Institute of Technology, Narasaraopet in NIT Technical & Cultural Fest ECE FEST 2K23 on 18/03/2023.

Mechanical Engineering students (3 teams) selected for National Level India Design week competition 2023 hosted by ICT Academy - Autodesk. Total 100 teams are selected across India in this competition. Final Competition dates: 25th and 26th April at Chennai.





Four Students from Mechanical Engineering department participated in "Firing practice of firing simulator under the super vision of 22 (A) Bn NCC", on 20/04/2023at KL University Vijayawada.

CO CIRCULAR ACTIVITIES (SPORTS):

Mechanical Engineering Students participated in CRICKET as a part of Jubilation 2K23 sports events during 31/01/2023' to 07/02/2023.





Mechanical Engineering Students participated and won in KHO KHO game on the occasion of Jubilation 2K23 sports events during 31/01/2023' to 07/02/2023.

Mechanical Engineering staff participated and won in cricket game on the occasion of Jubilation 2K23 sports events during 31/01/2023' to 17/02/2023.



NSS ACTIVITIES:



Mechanical Engineering students participated NSS Unit program "National voters day", on 25/01/2023.

Mechanical Engineering Students participated in Competition on the occasion of "World Environment Day", on 05/06/2023.



NSS ACTIVITIES:



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 06/02/2023, For this program Mr Ch.Gopi Krishna, System Engineer Infosys, Hyderabad acted as a Resource person.



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 15/02/2023, For this program Mr I.Babu, Automation Software Engineer Infosys, Hyderabad acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career opportunities in South Central railway", on 21/02/2023, For this program Mr K.Kushwanth Singh, Sr.C.C.Ticket collector, South Central Railway Guntur Division and Shaik Nagoor Khaja Vali, Graduate Train Manager , South Central Railway Guntur Division are acted as a Resource persons.





Department has organized a one day Alumni talk to final year students on "Career Guidance", on 16/03/2023, For this program Mr Kandru chandrasekhar, Associate developer Invisalign company, Hyderabad acted as a Resource person.

Department has organized a one day Alumni talk to final year students on "Career Guidance", on 11/04/2023, For this program Yakkala M V Saikumar, Automation Software Engineer SS Lotud Global Soft solutions Entrepreneur, Hyderabad acted as a Resource person.





Department has organized a one day Alumni talk to final year students on "Career Guidance", on 21/04/2023, For this program Mr.G.Srihari, Senior Software Developer from CAPGEMINI , Hyderabad acted as a Resource person.

Department has organized a one day Alumni talk to third year students on "Career Guidance", on 05/05/2023, For this program.B.Ravi teja, Senior test Engineer Concentrix private & Confidential company, Hyderabad acted as a Resource person.





Department has organized a one day Alumni talk to final year students on "Career Guidance", on 21/06/2023, For this program Mr Pallapu Mallikharjunarao, Associate Software Engineer, TCS company, Hyderabad acted as a Resource person.

INDUSTRIAL VISITS:

Students from final year Visited "KUMAR PUMPS", Tenali Guntur as a part of Industrial visit on 31/01/2023, faculty coordinator A. Pavan Kumar Assistant Professor attended to this visit.





Students from second year Visited "KUMAR PUMPS", Tenali Guntur as a part of Industrial visit on 01/02/2023, faculty coordinator P.Srinivasa rao Assistant Professor attended to this visit.

Students from second year Visited "JOCIL LIMITED", Dokiparru Guntur as a part of Industrial visit on 02/02/2023, faculty coordinator K.John babu, Assistant Professor attended to this visit.





Students from third year A section Visited "KUMAR PUMPS", Tenali Guntur as a part of Industrial visit on 07/02/2023, faculty coordinator Dr.Penugonda Suresh Babu, Professor attended to this visit.

Students from third year B section Visited "KUMAR PUMPS", Tenali Guntur as a part of Industrial visit on 08/02/2023, faculty coordinator T.Ashok kumar, Assistant Professor attended to this visit.





Students from second year Visited "Central Institute of Petrochemicals Engineering & Technology (CPIET", Vijayawada as a part of Industrial visit on 18/03/2023, faculty coordinator P.Srinivasarao, Assistant Professor attended to this visit along with students.

ACADEMIC TOPPERS

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







ALUMNI VOICE:



I am a student of NEC and would like to whole heartedly announce that, NEC has provided me a wonderful environment and opportunity to learn and grow myself academically. It was a great time, spent in NEC. The four years spent here was splendid and has helped me excel professionally as well as personally. Apart from academic, department offers various opportunity to enjoy our college days which was attracting us towards college many of the time. The relation between faculty and student is very cordial, which gave me an opportunity to excel further.

Ch.Ramakoteswararao
Asst. developer
Centilion pvt limited,
Madhapur,
Hyderabad

STUDENT VOICE:



I feel very blessed to be a Mechanical engineering student in Narasaraopeta Engineering college. Our faculty who are inspiring the future Technocrats, they taught us technical strategiestheymentor,guide us and teach classes in a practical manner and encouraged each and every student's interests. Our backbone is our HODDr.S.B.Venkatasiva sir who encourages studentideas and creates a platform to develop their ideas.

Vision

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

Mission

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

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

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

Modern Trends in Technology

Digital scent technology



A lot of research has been going on in the field of olfactory technology, which enables devices (or electronic noses) to sense, transfer and receive scent-enabled media such as audio, video, and web pages.

The first odour-releasing system named Smell-O-Vision was invented in the late 1950s. It was capable of emitting odour during the projection of a movie to enhance the experience of viewers.

Since then, many research facilities have come up with similar devices. One of them was iSmell, developed in 1999. It consisted of a 128-odors cartridge from which various mixed odours could be produced. However, due to certain limitations, the product was never commercially launched.

At CEATEC 2016, a company introduced a wearable scent device that can be controlled via smartphones and PCs. It still has many hurdles to overcome, including the timing and distribution of scents and the health risks of synthetic odours.

E-Textiles



Electronic textiles (or smart clothing) are fabrics embedded with digital components and electronics to provide added value to the wearer. There are many other applications that rely on integrating electronics into fabrics, such as interior design technologies.

This type of technology is considered revolutionary because it has the ability to do several things that conventional fabrics cannot, including conduct energy, communicate, transform, and grow.

Future applications for smart clothing may be developed for health monitoring, tracking soldiers, and monitoring pilot. Personal and portable physiological monitoring, communications, heating, and lighting can all benefit from this technology.

Faculty Focus

• Dr. B. Suneetha Became the life member in The Inistitution of electronics and telecommunication engineers (IETE) with membership number:F-503661.

• Dr. SK Ebraheem Khaleelulla Became the life member in The Inistitution of electronics and telecommunication engineers (IETE) with membership number: M-503679.

NPTEL Certifications

Mrs. G. Rajavali	"NPTEL- Microprocessors and Interfacing" with a Consolidated Score of 78%	Jan-April 2023 (12 Week Course)
Dr. Y. Jayapal Raddy	"NPTEL- Microprocessors and Interfacing" with a Consolidated Score of 64%	Jan-April 2023 (12Week Course)
Dr. A.V.Nageswara Rao	" NPTEL-Computer Vision and Image Processing-Fundamentals and Applications" with a Consolidated Score of 55%.	Jan-April 2023 (12Week Course)
1. Dr. B.Suneetha	NPTEL-AICTE Faculty Development Programme on " Introduction to Internet of Things"	Jan-April 2023 (12Week Course).
Mrs. T. Indira	NPTEL-AICTE Faculty Development Programme on "Introduction to Internet of Things"	Jan-April 2023 (12Week Course).
Mrs. SK.Areefa Begum	NPTEL-AICTE Faculty Development Programme on " Introduction to Internet of Things"	Jan-April 2023 (12Week Course).
Mr.Mohammad Shareef	NPTEL-AICTE Faculty Development Programme on " Introduction to Internet of Things"	Jan-April 2023 (12Week Course).
Mr.P.Jaya Babu	NPTEL-AICTE Faculty Development Programme on " Introduction to Internet of Things"	Jan-April 2023 (12Week Course).
Mrs. P. Vinuthna	NPTEL-AICTE Faculty Development Programme on " Introduction to Internet of Things"	Jan-April 2023 (12Week Course).
Dr.B.Suneetha	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 82%	Jan-April 2023 (12Week Course)
Dr. SK. Ebraheem Khaleelulla	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 75%	Jan-April 2023 (12Week Course)
Mrs. T.Indira	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 76%	Jan-April 2023 (12Week Course)
Mr.B.Siva NageswaraRao	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 75%	Jan-April 2023 (12Week Course)
Mr.Ch.Adi Babu	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 85%	Jan-April 2023 (12Week Course)
Mr.A.Raveendra Babu	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 78%	Jan-April 2023 (12Week Course)
Mr.V.Naveen Raja	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 81%	Jan-April 2023 (12Week Course)
Mr. N.Srinivasa Rao	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 73%	Jan-April 2023 (12Week Course)
Mrs.SK. Areefa Begum	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 75%	Jan-April 2023 (12Week Course)
Mr. Mohammad Shareef	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 63%	Jan-April 2023 (12Week Course)
Mr.Ch. Seshu Kumar	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 76%	Jan-April 2023 (12Week Course)
Mr. P. Jaya Babu	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 70%	Jan-April 2023 (12Week Course)
Mr.D.Suneel	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 75%	Jan-April 2023 (12Week Course)
Mrs. P.Vinuthna	NPTEL Course "Introduction to Internet of Things" with a Consolidated Score of 73%	Jan-April 2023 (12Week Course)

Publications

1. A.V Nageswararao, SK.Bajid Vali, B.Suneetha," Deep learning based classification of covid-19 lunge images", journal of population therapeutics & clinical pharmacology, DOI:10.47750/jptcp.2023.1125, Vol 30(2),e145-e152, jan 2023.

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. Shaik Bajid Vali, 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.

FDPs attended by our Faculty Members

Dr. SK. Ebraheem Khaleelulla	Three Days' workshop on" Design of Smart Antennas for Wireless Communication using HFSS and CST"	19/01/2023 to 21/01/2023	Department of ECE,PSCMRCET in associate with IETE.
Mr.D.Suneel	Three Days' workshop on" Design of Smart Antennas for Wireless Communication using HFSS and CST"	19/01/2023 to 21/01/2023	Department of ECE,PSCMRCET in associate with IETE.
Dr. SK. Ebraheem Khaleelulla	One week Faculty Development program on " Recent trends in Internet of things(IoT) & Communication Engineering"	18/1/2023 to 23/01/2023	Department of ECE, Godavari institute of Engineering and Technology (Autonomous), Rajamahendravaram
Dr. V. Venkata Rao	"IP Awareness/Training Program" was conducted under National Intellectual property awareness Mission	04/02/2023	Intellectual Property Office, India.
Dr. JVK Ratnam	"IP Awareness/Training Program" was conducted under National Intellectual property awareness Mission	04/02/2023	Intellectual Property Office, India.
Dr. A.V. Nageswara Rao.	"IP Awareness/Training Program" was conducted under National Intellectual property awareness Mission	04/02/2023	Intellectual Property Office, India.
Mr. P. JayaBabu	Webinar on "Entrepreneurship and IPR Patents"	13/03/2023	Department of Computer Science and Engineering, Chalapathi Institute of Engineering & Technology in associated with CSI.
Mr. P. Jaya Babu	Webinar on "IPR"	20/03/2023	Department of Computer Science and Engineering, Chalapathi Institute of Engineering & Technology (Autonomous)
P. JayaBabu, Assistant Prof., ECE	Webinar on "Global Applications using IoT in Digital Marketing"	24/03/2023	Department of Computer Science and Engineering on in Chalapathi Institute of Engineering & Technology in association with CSI
P. JayaBabu,	Webinar on "Metaverse"	27/03/2023	Department of Computer Science and Engineering on in Chalapathi Institute of Engineering & Technology in association with CSI
Dr. Y. Jayapal Reddy	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mrs.T. Indira	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mr. A Ravindra Babu	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mr. V. Naveen Raja	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mrs. SK. AreefaBegam	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mrs. P.Vinuthna	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
P. JayaBabu, Assistant Prof., ECE	Webinar on "Metaverse"	27/03/2023	Department of Computer Science and Engineering on in Chalapathi Institute of Engineering & Technology in association with CSI
P. JayaBabu, Assistant Prof., ECE	Webinar on "Global Applications using IoT in Digital Marketing"	24/03/2023	Department of Computer Science and Engineering on in Chalapathi Institute of Engineering & Technology in association with CSI
Dr. Y. Jayapal Reddy	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mrs.T. Indira	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mr. A Ravindra Babu	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.
Mr. V. Naveen Raja	International Conference on "Advances in Signal Processing and Communications NEC ICASPC-2K23 (Hybrid Mode)"	24/03/2023 & 25/03/2023	Department of ECE, Narasaraopeta Engineering College (Autonomous), AP.

Events Organized by Department

Name of the Program	Resource person with Affiliation Details	Dates	Participa
"National Youth Day" program on the occasion of Swamy Vivekananda Jayanthi	Dr. M. Sreenivasa Kumar, Dr. V. Venkata Rao	11/01/2023	25
Webinar on "Emerging Technologies Advanced Data Science - 2023 Why it is Important?"	Mr. Raj and Indo-Euro Synchronization Team	03/03/2023	120
International Conference on "Advances in Signal Processing and Communications, NEC-ICASPC-2K23"	\Mr. Selladurai. Sathiya Moorthy, Post-Directoral Fellow, University of MONTREAL, MONTREAL, QC, Canada. Prof. E. Sreenivasa Reddy, Professor & Dean, Acharya Nagarjuna University, Guntur.	24/03/2023 & 25/03/2023	87
"IEEE Signal Processing Society (SPS) NEC Student Branch Inauguration"	Dr. Atul Nagi, Chair, IEEE Hyderabad Section Dr. E. Sreenivasa Reddy, Vice Chair, IEEE Guntur Sub-Section	25/03/2023	25
Guest lecture on "Inter of Things "	"Dr. D.J.R. Kiran Kumar, Associate Professor, Department of ECE, KLU, Vijayawada"	27-04-2023	63

DEPARTMENT ACTIVITES

MOU'S

1. MOU signed to establish academic cooperation with CELONIS on 27-04-2023.
2. MOU signed to provide IELTS, TOFFEL and GRE classes in the campus to train the students on 17-04-2023 with VETECH.
3. MOU signed to provide industrial training, In-plant training and technical resource support for students on 20-03-2023 with KUMAR PUMPS.
4. MOU signed to provide training and visits, guest lectures and placement for trained students on 24-02-2023 with LEO GLOBAL OVERSIES EDUCATIONAL CONSULTANCY.

STUDENT FOCUS
TRAINING PROGRAMS ORGANIZED

CRT – Training Program is conducted for III B. Tech ECE Students from 09-02-23 to 29-02-23 organized by Bytexl team.





CRT – Training Program is conducted for II B. Tech ECE Students from 15-03-23 to 01-04-23 organized by Bytexl team.

CRT – Training Program is conducted for II B. Tech ECE Students from 24-04-23 to 12-05-23 organized by Bytexl team.





The following students are participated in the event of paper presentation conducted as a part of Jubilation-2023 organized by Narasaraopeta Engineering College, Narasaraopet 4th March 2023 and won Second prize.
Sk.Parveen Sd.Ayesha

• The following students are participated in the Event of Cricket and won the First Prize organized by KHIT Guntur held on 5th Jan 2023.
D.Venkata Sai Kumar Sk.Sharif P.Bhargav

• The following students are participated in the Event of Volley Ball and won the Second Prize organized by KHIT Guntur held on 5th Jan 2023
I.Siva Nageswara Rao M.Prasanth M.Sravan Kumar A.Ramesh

• The following students are participated in the Event of Volley Ball and won the Third Prize organized by KL University Vaddeswaram held on 30th Jan – 1st Feb 2023.
M. Sravan Kumar M. Prasanth
A. Ramesh



• The following students are participated in the Event of Badminton and won the Third Prize organized by KL University Vaddeswaram held on 30th Jan – 1st Feb
S.Dhanush Ch.Venkata Prasad

• The following students are participated in the Event of Volley Ball and won the First Prize organized by Universal College of Engineering & Technology Guntur held on 9th &10th FEB-2023.
M. Sravan Kumar M. Prasanth A. Ramesh

• The following students are participated in the Event of Volley Ball and won the First Prize organized by BEC, Bapatla held on 3rd & 4th March 2023.
M. Sravan Kumar M. Prasanth
A. Ramesh







• The following students are participated in the Event of Cricket and won the First Prize organized by VIT-AP University held on 19th Feb-2nd Mar 2023
D.Venkata Sai Kumar P.Bhargav

NPTEL Details of Jan-June 2023

Course Name	Duration	No of Students Completed
Introduction to Internet of things	12 Weeks	227
Analog Communication	12 Weeks	01

Academic Toppers



I B.Tech I Semester



II B.Tech I Semester



III B.Tech I Semester



IV B.Tech I Semester

ALUMINI VOICE

NEC is an institution that brings together cultures from all around the country. Coming together from different origins and learning is an extraordinary opportunity that is possible only in NEC. NEC style is unique giving you all the tools to become a successful individual both on professional as well as personal front. The professors are as international as the students and each has their own method of projecting knowledge. The practical approach of the courses, the professional experience of professors in their areas of teaching, the friendliness and the atmosphere that were created made NEC memorable. I am highly indebted to the entire NEC family in particular, Department of ECE for helping me to achieve to great heights in those four years.



K. SATISH KUMAR
Technical Lead and
Functional Manager
DXC TECHNOLOGY

STUDENT VOICE

The journey of my college is incredible. Our college has fabulous infrastructure, have an excellent teaching faculty and well knowledge technicians. NEC is a place where you can find amalgamation of learning, fun, culture, lore, literature and much such life preaching activities. I am thankful to NEC for providing a platform to enhance my skills and an opportunity to showcase them.



SK .INAMUL HUSSEN
19471A04A6
IV ECE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Innovation is our tradition

Vision

- To become a premier research and technological hub with standards to produce dominant computer science professionals with ethical values to cater to the needs of industry and society.

Mission

- Inculcate contemporary skills of the software industry among the students.
- Mould the students to become researchers and entrepreneurs.
- Stimulate students aware of modern software tools and technologies.
- Instil a sense of societal and ethical responsibilities.

New Trends : QUANTUM COMPUTING:



In this era of supercomputers, quantum computing is considered as the next big thing. It has been theorized that quantum computes will take a huge leap over the supercomputers. To put this into perspective, supercomputers have achieved a peak performance of around 200 petaflops or 200, 000 trillion calculations per second. Quantum Computers will be able to achieve a billion times more performance power.

A quantum computer will be able to perform any task that a classical computer is able to perform. Although, there is a catch. If we use classical algorithms on a quantum computer, it will simply perform the calculation in a similar manner to a classical computer. For a quantum computer to be utilized to its full potential, quantum algorithms need to be formulated. Quantum algorithms can exploit the phenomenon of quantum parallelism. These algorithms are not easy to create, requiring a lot of research and development. A well-known example for one of the algorithms is the quantum factorization algorithm created by Peter Shor of AT&T Bell laboratories. What the algorithm does is tackle the problem of factorizing large numbers into its prime factors. This task is classically very difficult to solve (based on current technology). Shor's algorithm cleverly uses the effects of quantum parallelism to give the results of the prime factorization problem in a matter of seconds.

Quantum Computing Makes Waves:

Quantum computing is the use of quantum mechanics, such as entanglement and superposition, to perform computations. It uses quantum bits (qubits) in a similar way that regular computers use bits.

Quantum computers have the potential to solve problems that would take the world's most powerful supercomputers millions of years.

IBM's System One - the first-ever circuit-based commercial quantum computer. Companies including IBM, Microsoft and Google are all in competition to build reliable quantum computers. In fact, In September 2019, Google AI and NASA published a joint paper that claimed to have achieved "quantum supremacy".

This is when a quantum computer outperforms a traditional one at a particular task.

Quantum computers have the potential to completely transform data science. They also have the potential to accelerate the development of artificial intelligence, virtual reality, big data, deep learning, encryption, medicine and more.

The downside is that quantum computers are currently incredibly difficult to build and sensitive to interference.

Faculty focus:

Dr.Sireesha Moturi be declared qualified for the award of the Degree of Doctor of Philosophy (Ph.D.) in Computer Science and Engineering in the Faculty of Engineering of KLU (Deemed to be University).



Papers Presented:

Automatic Film Genere Prediction using NLP paper is published Dr. S.Siva Nageswara Rao, Professor,Narasaraopet Engineering College.

Department Activities:

Training Programs Organised:

DR.S.V.N Sreenivasu of Narasaraopeta Engineering College has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on February 04, 2023.

Dr. S V N Sreenivasu (Professor), Dr.K.Lakshmiradh (Professor), Computer Science And Engineering of NEC for attending One Week FDP on "Platforms &System Security in Cyber Space from 30th January To 04th February,2023 organized by Department of CSE in collaboration with Department of CSE(AI&ML and IoT) VNR Vignana Jyothi Institute of Engineering and Technology.

CSE RATIFICATION Conducted on 10-03-2023.



International Conference on
Artificial Intelligence and Its Emerging Areas
NEC-ICAIEA-2K23 on 17th&18th March, 2023.







DR.S V N Sreenivasu, Dr.K.Lakshminadh, Mr. M Sathyam Reddy, Ms. Suneetha, MS.Meduri Mounika Naga Bhavani Faculty of Narasaraopeta Engineering College, Narasaraopeta,Andhra Pradesh has successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on March 10,2023 Organized by Intellectual Property Office, India.

NPTEL Online Certification:

Dr.K.Lakshminadh, Dr.M.Sireesha for successfully completing the course, Fundamental Algorithms: Design and Analysis.

NPTEL Certification on Research Methodology by Mr.D.VenkatReddy (Assistant Professor).

M.Sathyam Reddy, for successfully completing on NPTEL Online Certification the course Compiler Design.

D.VenkatReddy for successfully completing the course Introduction to Machine Learning. NPTEL-AICTE Faculty Development Programme.

FDPs:

K.Nageswarao, P.Subhash Chandra, B.Sarvani, T.Sai Saranya, P.Gayathri, E. LakshmanKumar, J.Rajesh have participating in the one week Faculty Development Programme on LATEX-Migrate to LaTeX from Word From 04/04/23 To 09/04/23 organized by Department of CSE & CSBS, VNRVJIET in collaboration with CSI VNRVJIET SBC.

30 hours Live Training Program on Fundamentals of Full Stack Development Held from 03rd April 2023 to 25th April 2023.

M Mounika Naga Bhavani Participated in 5 Days Online International Faculty Development Program on Data Analytics using Power BI organized by the Department of Information Technology, G Narayanamma Institute of Technology and Science (for women) in Collaboration with Excel. Date: 20th March 2023 to 24th March 2023.

One Week Programme on Amazon Web Services (AWS) on 7th to 13th June, 2023.

Dr.M.Sireesha, P.Srinivasarao, K.Jayaprakash, M.Mounika participated in 5 Days Online International Faculty Development Program on Data Science and Chat GPT organized by K L Deemed to be University in Collaboration with ExcelR.

P. Srinivasarao, V. Karunakumar have to attend ToT programme on 26/05/2023.





D.Venkata Reddy (Assistant Professor) Narasaraopeta Engineering College for attending the five days faculty development programme on Research Trends and Research Issues in IT conducted from 29-05-2023 to 02-06-2023 organized by the Department of Computer Science, E.S.Arts and Science College (Co-Ed), Villupuram.

Dr.Sireesha Moturi For successful completion of 30 hours Live Training Program on ChatGPT and Artificial Intelligence Program Held from 08/05/2023 to 26/05/2023.

Dr.S.V.N Sreenivasu, Dr.K.Lakshmi Nadh has successfully participated in online quiz on "Digital Financial Security" organized as part of "STAY SAFE ONLINE CAMPAIGN" under India's G20 presidency. The campaign is led by Ministry Of Electronics & Information Technology (Meit Y), Government Of India and implemented by C-DAC, Hyderabad as part of ISEA Project Phase-II .This quiz is organized from 1st May 2023 to 15th June 2023.

Dr.S.V.N Sreenivasu Department of CSE, NEC has participated in Workshop on Roadmap and Action Plan for EISCs in A.P. for the EISC Directors/Coordinators of the Universities and Colleges of Guntur Cluster on 09th June 2023, Friday, Organized by Quality Assurance Cell (QAC) Andhra Pradesh State Council of Higher Education in Collaboration with at VIT-AP University, Amravati.

Dr.Sireesha Moturi For successful completion of 30 hours Live Training Program on ChatGpt and Artificial Intelligence Program Held from 08th May 2023 to 26th May 2023.



Dr. S V N Sreenivasu(Professor) of Narasaraopeta Engineering College has participated in the DST Sponsored Two Weeks Faculty Development Programme on "Development of Entrepreneurship and Innovation from 29th May-9th June 2023 in online mode Organized by Academy of Maritime Education and Training Deemed to be University,Chennai.

Meduri Mounika, Naga Bhavani has successfully achieved the certifictaion Microsoft Certified:Power Platform Fundamentals , Azure Fundamentals on June 12,2023.

AWS Summit India: Certificate of Attendance is awarded to Dr. Sireesha Moturi on May 25, 2023.

M.Sathyam Reddy (Assistant Professor) has actively participated in Tree Plantation under the G20 "Janbhagidari" initiative, held PAN-India in June, 2023.

STUDENT FOCUS

I/I Students career guidance program on 02/01/23.



CRC Meeting was conducted in the department for III/II B.Tech students on 5/1/23.



III/I CRT Training from 9/2/23 to 12/3/23.



M.Yaswanth sathya linga Reddy, J.koteswara Rao studying IV Year B.Tech in CSE at Narasaraopeta Engineering College,Narasaraopet has participated in CICKET event and secured WINNER position in SAMKALP a National Level Student Techno-Management Fest on 5-1-2023.

M.Srirsha, G.Revanth Sai CSE branch I Year has participated in the event Poster Presentation, Traditional dress competition and won the III prize, consolation prize conducted on the Occasion of Sankranthi celebrations 2023.



A 5 Day Hands-On Bootstrap on Cyber Security Workshop conducted from 20/2/23 to 25/2/23.



Tech Hub Inaugaration on 19/1/23.

IV/II Project Reviews conducted from 22/2/23 to 25/02/23.



Jubilation-2k23 A National Level Student TechFest:

In Association with Computer Society of India (CSI) & Indian Society for Technical Education (ISTE) conducted on March 4 2023. Events conducted In CSE Dept. are Code Crashing, Hitech Chase, Web Crawler, Technical Paper presentation.





CSI coding event conducted on 27/01/23 and distribute prizes to winners.



A Three Day Workshop on DEVOPS AND IT'S TOOLS during 8th-10th March,2023 By VJ Technologies In Collaboration With AICTE Organized by Department Of Computer Science & Engineering.



Medha Servo second round written test conducted on 28/01/23.

Jubilation-2K23 prize winners appreciated by Vice chairman Sir, Principal Sir and HOD sir with Merit Certificates and prize money.





III CSE-C Student Somu Thejitha Lasya, Got the Gate Score: 266 Marks.



II/II CRT Training from 15/3/22 to 1/4/23.



A Guest Lecture on Object Oriented Analysis and Design by Dr.Y.K. Sundara Krishna, Professor, Dept. Of Computer Science, Krishna University, Organized by Dept. Of CSE, IT & MCA

Farewell Day conducted on 15/3/23.



II CSE Students are participating PPT, Group dance in NIT FEST.



Department Of Computer Science and Engineering Organizing, a One Day Orientation Program on Career in Various Emerging Technologies on 21/4/2023.





III/II Azure Cloud Training From 24/04/23 To 24/05/23.



II/II CRT Training from 15/3/22 to 1/4/23.



NEC Alumni Meet 2023 Conducted on 30/4/2023.





Launching "TCS MBU SIRIUS PROGRAM 2023" by TCS MICROSOFT BUSINESS UNIT on 25th March, 2023.

S.Akshay Kumar (IIICSE) in Narasaraopeta Engineering College for participating in the State Level APSCHE EXCELLENCE AWARDS -2023 in the category of Community Service Award held on 03/05/2023 at Andhra Pradesh State Council of Higher Education, Mangalagiri.



Awareness Program On Abroad Education Conducted On 28/03/23.





PivoxLabs Placement Drive Conducted on 01/04/23.



III/II Azure PL-900 Training From 24/04/23 to 13/05/23.



Yuvatarang Youth Empowering Contest conducted on 05/04/23 Organized by CSI-NEC Student Branch in Association with Department Of CSE.

Exclusive Hack-A-Thon Organized by Department of Computer Science & Engineering with 64 teams of 128 Ist year B.Tech student of all computer related branches are participated 24 hours enthusiastically. Sri. M. V. Koteswara Rao Chairman of NEC inaugurated Hack-A-Thon and Sri. M.S. Chakravarthy Vice Chairman addressed the students with an encouraging words and wish the students to success. Dr. M. Sreenivasa Kumar Principal addressed the students in valedictory session and distribute the prizes with merit certificates to the first 10 teams.All the students received participation certificates.



Shriram Value Design Delivery Delight Placement Drive Conducted on 12-04-2023.

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	

Toppers List of Academic Year 2022-23:






ALUMNI VOICE

During my time in college, I developed a strong foundation in computer science and honed my technical skills, which have been instrumental in my success in the IT industry. I had the opportunity to collaborate with brilliant minds and professors who inspired me to think creatively and solve complex problems, experiences that have positively shaped my approach to work in the IT field. In college, I actively participated in various tech-related clubs and workshops, which allowed me to stay updated with the latest industry trends and technologies. College taught me the importance of continuous learning, and I carry that mindset with me as I constantly seek opportunities for professional growth in the IT field.



P. Bhanu Chandrika
15471A0536
Software Engineer
Cisco
Bangalore

STUDENT VOICE

Narasaraopeta Engineering College is one of the best college in this region. I feel it privileged to be a part of this institute. It is the best place for graduation. All the faculty here are highly educated and caring. Their knowledge helps us to achieve many things. There is a friendly environment and we can clarify our doubts at any time. Code mind platform is provide to improve the coding skills. ByteXL training is provided for enhancing the aptitude. High quality and digital education is provided. Practical learning is preferred rather than theoretical learning so that we can learn the topic easily. Training programs and workshops are conducted frequently to increase our knowledge. Various Hackthons, coding competitions are conducted which helps us to enhance our skill and build competitive spirit.



V.TEJA SRI
(21471A05D3)
CSE III Year

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:

Smarter Devices:

Artificial intelligence has played an essential role in making our world smarter and smoother. It is not just simulating humans but going the extra mile to make our life hassle-free and simpler. These smarter devices are here to stay in 2023 and even further, as data scientists are working on AI home robots, appliances, work devices, wearable's, and so much more! Almost every job needs smart software applications to make our work life more manageable. Smarter devices are another addition to the IT industry that is of high requirement and demand as more companies transform into digital spaces. Almost every higher-level job requires a good proficiency in IT and automation these days to thrive. This is why Simplilearn's RPA course can help you master these skills to achieve par excellence in your career, whether in IT, marketing, or management. Here are the best jobs you can venture:

IT Manager, Data Scientists, Product Testers, Product Managers, Automation Engineers, IT Researchers.

FACULTY FOCUS:

1. U. Vijay Kumar had participated in IP Awareness /Training Program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION on March 10 2023, organized by Intellectual Property Office, India.

2. P.Ramesh Babu had participated in IP Awareness /Training Program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION on March 10 2023, organized by Intellectual Property Office, India.

3. P.RamaDevi had participated in IP Awareness /Training Program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION on March 10 2023, organized by Intellectual Property Office, India.

4. Dr.B.Jhansi Vazram had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE(AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

5. G.Venkateswara Rao had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE(AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

6. M.Ramakrishna Reddy had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE(AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

7. U.Vijay Kumar had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE(AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

8. Sk.Mohammed Jany had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from 7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE(AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

9. P.Neelima had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE (AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

10. K.Sirisha had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE(AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

11. T.Venkata Manohar had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE (AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

12. K.Jaya Prakash had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE (AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

13. P.Naga Lakshmi had participated in A One Week Faculty Development Program on Amazon Web Services (AWS) from7thJune -13th June 2023, organized by Departments of Computer Science and Engineering, and Information Technology & CSE (AI), Narasaraopeta Engineering College (Autonomous), Narasaraopet, Palnadu Dist, A.P. in association with CSI and ISTE.

DEPARTMENTAL ACTIVITIES:

IT & AI Department had celebrated a 74th Republic Day Celebrations on 26-01-2023.





IT & AI Department had celebrated a Fresher's day on 09-02-2023.

IT & AI Department had conducted a Guest Lecture on Object Oriented Analysis and Design by Dr.Y.K. Sundara Krishna (Professor, Department of Computer Science, Krishna University) on 04-02-2023.





IT Department had celebrated a Farewell on 14-03-2023

MOUs:

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





IT & CSE (AI) Department had conducted an Exclusive HACK-A-THON on 23-06-2023.

STUDENT FOCUS:

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





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

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





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

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





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



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

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





2nd & 3rd Year CSI Members of IT & AI Students were participated in YUVATARANG (CSI-NEC STUDENT BRANCH) on 05-04-2023

Project Viva voice had conducted for IV BTECH II SEM OF IT Students on 28-04-2023.



Training Programs:

S.no	Dept.	Year	Training	Duration
1	IT&CSE(AI)	3-2	Bytexl	09-02-2023 to 25-02-23
2	IT&CSE(AI)	2-2	Bytexl	20-03-2023 to 01-04-23
3.	IT	4-1	TCS Azure	26-04-2023 to 29-04-23
4.	IT&CSE(AI)		TCS Azure	01-05-2023 to 13-05-23

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

CO CIRCULAR ACTIVITIES (SPORTS):

S.no	Dept	Year	Event	Prize
1	CSE (AI)	3rd	Web Crawler Event	Winners
2.	IT	1st Year	Exclusive HACK-A-THON	4th Position

NSS ACTIVITIES:

Hon'ble Principal explaining the various measures will be taken to preserve water resources for future generations on the eve of World Waters Day on 22-03-2022.





Hon'ble Principal Dr. M.Sreenivasa Kumar taking pledge from the students to protect the water resources on the eve of World waters Day on 22-03-2022.

CAMPUS PLACEMENTS:

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

S.No	ROLL NO	NAME	COMPANY
1	19471A1217	Sumathi Gottipati	AMDOCS
2	19471A1229	Mohan Ajay Kumar Kothamasu	APPS ASSOCIATES
3	19471A1233	Amani Majeti	CADSYS
4	19471A1211	Mani Kanta Chittiguba	COGENT
5	19471A1213	Karthik Dindugala	COGENT
6	19471A1223	Sravani Kalerao	COGENT
7	19471A1225	Naga Vamsi Kolakani	COGENT
8	19471A1237	Sai Pavan Kalyan Mulla	COGENT
9	19471A1243	Adilakshmi Puli	COGENT
10	19471A1252	Karimoon Shaik	COGENT
11	19471A1207	CHEKKA BHANU PRAKASH	HCL
12	19471A1214	PRASANNA HARIGOPAL EVANI	HCL
13	19471A1215	RAVALI GANGINENI	HCL
14	19471A1223	SRAVANI KALERAO	HCL
15	19471A1227	KONDA VENKATESWARA REDDY	HCL
16	19471A1217	Sumathi Gottipati	KODNEST
17	19471A1257	Harichandra Prasad Sriram	KODNEST
18	19471A1204	Vishnu Anthuluri	MUSIGMA
19	19471A1214	Prasanna Harigopal Evani	NAGARRO
20	19471A1209	HARIKA BUSI	NEEBAL TECHNOLOGIES
21	19471A1207	Bhanu Prakash Chekka	PROLIFICS
22	19471A1215	Ravali Gangineni	SAVANTIS
23	19471A1248	Abdul Shaik	SAVANTIS
24	19471A1258	Suhana Syed	SAVANTIS
25	19471A1260	Lakshmi Sai Likitha Velavarthipati	SAVANTIS
26	19471A1234	Venkata Sasi Kumar Majeti	TCS NINJA
27	19471A1258	Suhana Syed	TCS NINJA
28	19471A1207	Bhanu Prakash Chekka	TECH MAHINDRA
29	19471A1232	Roopesh Reddy Maddula	TECH MAHINDRA
30	19471A1260	Lakshmi Sai Likitha Velavarthipati	TECH MAHINDRA
31	19471A1214	Prasanna Hari Gopal Evani	UNIFO

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 Hari Gopal
19471A1214
Associate Software Engineer
Nagarro Trainee Teesay
Hyderabad

ACADEMIC TOPPERS

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



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

New Trends in Technology



Technology today is evolving at a rapid pace, enabling faster change and progress, causing an acceleration of the rate of change. Artificial intelligence will become more prevalent in 2023 with natural language processing and machine learning advancement. Artificial intelligence can better understand us and perform more complex tasks using this technology. Artificial intelligence has played an essential role in making our world smarter and smoother. It is not just simulating humans but going the extra mile to make our life hassle-free and simpler. Next, one of the new technologies is Datafication .Datafication is simply transforming everything in our life into devices or software powered by data. So, in short, Datafication is the modification of human chores and tasks into data-driven technology. Another key trend in innovation and technology is 3D printing which is used to formulate prototypes. This technology has been impactful in the biomedical and industrial sectors. None of us thought of printing a real object from a printer, while right now, it's a reality. Next remarkable technology trend is quantum computing, which is a form of computing that takes advantage of quantum phenomena like superposition and quantum entanglement. This amazing technology trend is also involved in preventing the spread of the coronavirus, and to develop potential vaccines, thanks to its ability to easily query, monitor, analyse and act on data, regardless of the source. Another field where quantum computing is finding applications is banking and finance, to manage credit risk, for high-frequency trading and fraud detection.

Faculty Focus

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Dr.K.Ponnari Lakshmi, Professor, H.O.D. B.S&H successfully completed NPTEL- FDP on "Soft skill Development", January – March , 2023, 8 weeks program.

V.Aruna Assoc. Prof. of English has participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

V.Aruna Assoc. Prof. of English successfully completed NPTEL course on "Soft skill Development" , January – March, 2023, 8 weeks program.

Mr.G.R.K.Murthy Asst. Prof. of English participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Mr.G.R.K.Murthy Asst. Prof. of English successfully completed NPTEL course on "Soft skill Development" , January – March, 2023, 8 weeks program.

Mr. S. Riyaz Basha Asst.Prof. of English has participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Mr. S. Riyaz Basha Asst.Prof. of English participated in a one -day FIP on "Mobile Assisted English Language learning and teaching", organised by British council at ELCS LAB @Lendi ,Lendi Institute of engineering and technology ,Vizag on 31st Jan 2023.

Mr. S. Riyaz Basha Asst.Prof. of English successfully completed NPTEL course on "soft skill Development", January – March, 2023, 8 weeks program.

Mr. A. Venugopal, Asst. Prof. of English participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Mr. A. Venugopal, Asst. Prof. of English successfully completed NPTEL course on "soft skill Development", January – March, 2023, 8 weeks program.

Mr. Sk. Rafi, Asst.Prof. of English has participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office, India.

Mr. Sk. Rafi ,Asst.Prof. of English has participated in a one -day FIP on "Mobile Assisted English Language learning and teaching", organised by British council at ELCS LAB @Lendi ,Lendi Institute of engineering and technology, Vizag on 31st Jan 2023.

Mr. Z. Mohan Rao, Asst.Prof. of English successfully completed NPTEL course on "Soft skill Development", January – March, 2023, 8 weeks program.

Mr. M. Purna Chandra Rao successfully completed NPTEL course on "soft skill Development", January – March, 2023, 8 weeks program.

Dr. Sk. Mohiddin Shaw Prof. of Mathematic participated and presented a paper entitled "Fuzzy Graphs: A Flexible frame work for modelling ambiguous node to node relationships" in the International Conference on Advances and Applications in Mathematical Sciences Organized by the Department of Mathematics , Andhra Loyola College (A), Vijayawada, During 14th -16th March, 2023.

Dr. Sk. Mohiddin Shaw Prof. of Mathematics participated in 3 day online FDP on "Differential Equations & its Applications" organised by Division of Mathematics, school of advanced sciences Vellore institute of technology, Chennai from 3rd Feb to 5th Feb 2023.

Dr. Sk. Mohiddin Shaw Prof. of Mathematics participated and presented a paper entitled with "A Circular Role of Linear Algebra on AI and Machine Learning" in National Conference on "Advances in Mathematical Sciences and its Applications (NCAMSA -2023)" Organised by department of Mathematics, Acharya Nagarjuna University on 17th -18th March, 2023.

Dr.Mohana Ramana, Asst.Prof of Mathematics participated in a 5 day international workshop on "Applicable Mathematics for science and engineering – recent advances (AMSE -2023)", organised by development of mathematics, school of Advanced Sciences , in VIT -AP University, 16th -20th, February, 2023.

Dr.Mohana Ramana, Asst.Prof of Mathematics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Dr.Mohana Ramana, Asst.Prof of Mathematics published a research paper entitled with "Processing to pass unsteady MHD flow of a second grade fluid through a porous medium in the presence of radiation absorption exhibits diffusion thermo , hall and ion slip effects", Advances in materials and processing technologies.

Dr.G.Dharmaiah Assoc. Prof. of mathematics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office, India.

Dr.G.Dharmaiah Assoc. Prof. of mathematics participated and presented a paper entitled with "Preference of Magnetic non-Newtonian Radiative MHD Blood Flow", in the National conference on "Advances in Mathematical Sciences and its Applications (NCAMSA -2023)".

Dr.G.Dharmaiah Assoc. Prof. of mathematics published a paper on perturbation methodology for electro magnetic radiative fluxing of chemical reactive caisson fluid flow under heat source effectiveness in International journal of modern physics feb-2023.

Dr.G.Dharmaiah Assoc. Prof. of mathematics published a paper on Mathematical analysis of Gold, Platinum and Magnetite Nanoparticle shapes on unsteady radiative flow of Nano liquid along an infinite vertical flat plate in the proximity of convective boundary condition, Diffusion Foundations and Materials Applications, Vol.33,pp 3-21. ISSN:2674-029X.

Dr.CH.Maheshwari Asst.Prof of Mathematics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Dr.CH.Maheshwari Asst.Prof of Mathematics participated in one week FDP on "Platforms & system security in cyber space", organized by department of CSE(Data Science ,cyber security and Artificial intelligence & Data Science) in collaboration with department of CSE , VNR Vignana Jyothi institute of engineering and technology from 30th Jan 2023 to 04 Feb 2023.

Dr.Ch.Maheshwari Asst.Prof of Mathematics participated in 3 day online FDP on "Differential Equations & its Applications" organised by Division of Mathematics, school of advanced sciences Vellore institute of technology, Chennai from 3rd Feb to 5th Feb 2023.

Dr. N. Ravi Babu, Asst.Prof. of Mathematics participated and presented a paper entitled "Weekly absorbing primary Idclab of SO rings", the International Conference on Advances and applications in mathematical sciences organised by the department of Mathematics, Andhra Loyola College, Vijayawada , during 14th – 16th March, 2023.

Dr. N. Ravi Babu, Asst.Prof. of Mathematics participated in 3 day online FDP on "Differential Equations & its Applications" organised by Division of Mathematics, school of advanced sciences Vellore institute of technology, Chennai from 3rd Feb to 5th Feb 2023.

Ms.Sd.Roshini Bhanu, Asst.Prof. of Mathematics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Ms.B.Swapna, Asst.Prof. of Mathematics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office, India.

Dr. J. Srinivasa Rao, Assoc.Prof. of Chemistry participated in poster presentation on "Gold Nano particle effects and applications in various fields", at the 3rd International Conference on pure and Applied chemistry (IconPAC- 2023),organised by the department of chemistry, KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302, India, during 27th -28th January, 2023.

Dr. K. Sreenivasulu Assoc.Prof. of Chemistry participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office, India.

Dr. K. Sreenivasulu Assoc. Prof. of Chemistry participated in poster presentation on "Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations", at the 3rd International Conference on pure and Applied chemistry (Icon PAC – 2023), organised by the department of chemistry , KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January, 2023.

Dr.T.Anusha Asst. Prof .of Chemistry presented a poster presentation on "Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations", at the 3rd International Conference on pure and Applied chemistry (Icon PAC – 2023), organised by the department of chemistry , KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January, 2023.

Dr.T.Anusha Asst. Prof .of Chemistry presented a paper entitled "Synthesis & Characterization of novel Gold nanoparticles-graphene quantum dots and its Electrochemical Sensing", in the National Conference held on 13th &14th Feb 2023 at Andhra Loyola College, Vijayawada.

Dr.T.Anusha Asst. Prof .of Chemistry, Published a paper on "Eco–friendly green synthesis of Ag/Cu bimetallic nanoparticles: Evaluation of their structural, morphological and electrochemical characterizations" Vietnam Journal of chemistry, Vol.61,2023,pp.1-7.

Dr.T.Anusha Asst. Prof .of Chemistry, completed NPTEL Course on " Health Research Fundamentals from Jan – March 2023.

Dr. Y. Lakshman Kumar, Asst.Prof. of Chemistry participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Dr. Y. Lakshman Kumar, Asst.Prof. of Chemistry presented a poster presentation on "Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations", at the 3rd International Conference on pure and Applied chemistry (Icon PAC – 2023), organised by the department of chemistry , KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302, India, during 27th -28th January, 2023.

Dr.PNVVL Pramila Rani, Asst.Prof of Chemistry has participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Mr.G.Naga Raju Asst.Prof. of Chemistry participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office , India.

Mr.G.Naga Raju Asst.Prof. of Chemistry presented a poster presentation on "Citrus fruit peel extract medicated eco-friendly synthesis of Ag @Co bimetallic nanoparticles and study of their optical and structural characterizations", at the 3rd International Conference on pure and Applied chemistry (Icon PAC – 2023), organised by the department of chemistry , KLEEF (Deemed to be University), Green Fields, Vaddeswaram, A.P.-522302,India, during 27th -28th January, 2023.

Dr.K,Neeraja, Assoc.Prof. of Physics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office, India.

Dr.V.Poli Reddy, Asst.Prof. of Physics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office, India.

Dr. N. Giridhar Babu , Asst. Prof. of Physics participated in IP Awareness/ Training Programme under "National Level Intellectual Property Awareness Mission (NIPAM)", on 10th March 2023, organised by intellectual property office, India.

Dept. of BS & H. organized a two day International virtual conference on perspective from Basic sciences and humanities from 26th to 27th May 2023.

Dr. Justin James professor and E-Learning coordinator, English Language centre, university of technology and applied sciences, UTAS , Sultanate of Oman and Dr. Sujatha Mukiri ,professor and Dean , Dept. of Communications, English and foreign languages university (EFLU) Hyderabad were the key note speakers for English – Dr. A. Parandhama, , Prof. Dept. Of Maths, sambhram university JIZZAX , Uzbekistan.

Dr. G. Bhagavan Narayana, Dean Research, VSMGI, Ramachandrapuram, A.P., India for Physics.

Dr. Halubi Sekhar, Research Assist. Professor, Nagoya Institute of Technology and Super photon ring , Japan for Physics.

Dr.Kommana Balarama Kumar, dept. of Pharmacy college of health and Medical Sciences, Haramaya University , Ethiopia for Chemistry.

Dr. Chakravarthula, S. K. Raju, Visiting Post DOC Researcher, School of mathematical Engineering Hanyang University , sael campus southkoria. It became a great success , 210participants around the globe presented the papers in this conference.

DEPARTMENT OF MBA

Manager - He, who do things right

Vision

To emerge as an excellent 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 build intellectual capabilities

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

To impart the value based management education through innovative teaching methodology

To develop person in to personality with moral values and social responsibility

To offer the best professional development and career management opportunities through In class Placement and Industry Institute Partnership Cell.

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.P.Pattabhi Ram, Dr.M.Arvind, Y. Suresh, S.Salma and D.Satish Babu, participated A Five –Day National Level Virtual FDP on "Skills Reengineering in Business Management" Organized by Deparment of MBA,Andhra Loyola Institute of Engineernig and Technology, 23rd to 27th May 2023.

Y. Suresh, I. Sridhar, S.Salma and D.Satish Babu, participated 5 Days Faculty Development Programme on "New Age Teaching Pedagogy Commerce & Management" Organized by School of Commerce Presidency University, 24th to 28th April 2023.

Y. Suresh and S.Salma Presnted a paper on "Digital Transformation - Challenges For Human Resource Management" Two Day National Conference on "Digital Transformation in Business & Management: ISuues, Challeges and Opportunities" Organized by Vishwa Vishwani Scool of Business Hyderabad.,26th to 27th May 2023.

Y. Suresh, I. Sridhar, S.Salma and D.Satish Babu, participated workshop on "Constitutional Obligations: Values, Rights, Duties and Responsibilities of Citizens" Organized by IQAC association with Rajeev Gandhi College of Management Studies 29th April 2023.

Y. Suresh, I. Sridhar, S.Salma and D.Satish Babu, participated 5 Days Faculty Development Programme on "New Age Teaching Pedagogy Commerce & Management" Organized by School of Commerce Presidency University, 24th to 28th April 2023.

Dr.P.Pattabhi Ram, I.Sridhar, Y. Suresh, S.Salma, for successfully completing the NPTEL online certification course Principles of Management.

Dr.M.Aravnd, for successfuly completing the NPTEL online certification course Production and Operations Management

Dr.P.Pattabhi Ram, Associate Professor, published a paper on "Business Opportunities and Challenges in the early industry 4.0 context for IOT in supply", South Indian Journal of Sciences UGC care groupt journal, Vol.4 ISSN: 0972-8945, 2023.

Y.Suresh & Dr.Y.Siva Reddy, presented a paper on "Effects of the New Education Policy 2020 on Higher Education" in Three-Day International Conference on "Academic Leadership and Management in Higher Education in a Globalised Economic Era: Perspectives and Challenges" Organized by Dept. of Commerce & Business Management, University College of Arts & Science, Krishna University, Machilipatnam. during 2nd, 3rd & 4th March,2023.

Dr.Y.Siva Reddy,Y.Suresh & I.Sridhar presented a paper on "Tcehnology's Impact on Higher Education" in Three-Day International Conference on "Academic Leadership and Management in Higher Education in a Globalised Economic Era: Perspectives and Challenges" Organized by Dept. of Commerce & Business Management, University College of Arts & Science, Krishna University, Machilipatnam. during 2nd, 3rd & 4th March,2023.

Salma Syed & D.Satish Babu presented a paper on "Effect of Privatization on the Quality of Higher Education" in Three-Day International Conference on "Academic Leadership and Management in Higher Education in a Globalised Economic Era: Perspectives and Challenges" Organized by Dept. of Commerce & Business Management, University College of Arts & Science, Krishna University, Machilipatnam. during 2nd, 3rd & 4th March,2023.

Dr.P.PattabhiRam & Dr.M.Arvind presented a paper on "Know-how Perception and elements influencing Private Voluntary Health Insurance policy subscription in the Guntur Location" In UGC Sponsored Two Day National Seminar On "Health Insurance In India: Need Of The Hour" organized by Department of MBA(Hospital Administration), Acharya Nagarjuna University, A.P., during 10-11 February, 2023.

Suresh Yamarthi, Assistant Professor, presented a paper on " Role of Covid-19 on Health Insurance Sector" In UGC Sponsored Two Day National Seminar On "Health Insurance In India: Need Of The Hour" organized by Department of MBA(Hospital Administration), Acharya Nagarjuna University,A.P., during 10-11 February,2023.

Y.Suresh, Assistant Professor, Participated A Six days virtual international faculty development programme on "Emerging Trends and Challenges in Teaching Language and Literature" organized by VVET Institute of Arts and Science Thindal, Erode. From 2nd January to 6th January 2023.

Departmental Activities
Workshops/Seminars/Industrial visits/Webinars

Department of MBA organized A One Day Workshop on Advanced Digital Marketing for MBA Students on 6th January 2023.



Students Focus

Our I Year MBA Students celebrated farewell to II Year MBA Students on 24th June 2023.



Placements
Curricular & Co-Curricular activities (Sports)

I Year MBA student M.Ashok got II Prize in A Two Day National Level Techno, Cultural and sports fest at RISE ongole 2023

II MBA Student Yadala Kamalanadh Reddy for successfully attending the Free Human Resource Skills Workshop at Tareeqa Global Solution Pvt.Ltd

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



Alumni Voice



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

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 (22471E0049)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Technology is teaching us to be human again

Vision

- To impart quality technical education to students focusing on computer application knowledge imbibed of Software Development and maintenance with entrepreneurship and real time usage of industry and societal needs.

Mission

- Impart the knowledge of modern software tools to meet the challenges in competitive fields of Computer Science and engineering
- Imparting employability skills to students.
- Encourage research activities among students with advanced softwares and tools.

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 every day 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

I MCA I Semester 60 students are attended a Guest Lecture on "Object Oriented Analysis & Design" by Dr. Y.K. Sundara Krishna, Professor, Department of Computer Science, Krishna University on 04-02-2023.





Fresher's & Farewell function was conducted on 29-03-2023 for I MCA & II MCA Students.



Fresher's & Farewell function in MCA Department

Toppers from I MCA II Semester (2022) Batch



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.



P. MAHESWARI
2047IF0043
Software Trainee,
Infosys, Hyderabad

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
2147IF0023

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

SN	COMPANY NAME	DATE	SELECTS	SALARY
1	TIMKEN RESEARCH & ENGINEERING	27-Jan-23	23	204000
2	CADSYS	16-Feb-23	10	317100
3	SLAP	16-Feb-23	68	174000
4	COGENT	09-Mar-23	92	220000
5	SURYA TECH SOLUTIONS	28-Mar-23	76	256896
6	PIVOX LABS	01-Apr-23	3	300000
7	Intellipat Software Solutions	11-Apr-23	1	725000
8	Shriram Finance (NOVAC TECHNOLOGY)	12-Apr-23	1	293000
9	Aptroid Consulting	26-Apr-23	1	450000
10	Aparna Constructions	10-May-23	3	240000
11	PEPSICO	11-May-23	2	560000
12	MEIL	19-May-23	10	223800
13	Galacon Infrastructure	20-May-23	1	192000
			291	





NEC CAMPUS PLACEMENTS 2023

NSS ACTIVITIES



Hon'ble Principal addressing about the role of students to curb the malpractices in the electoral process on the eve of National Voters Day celebrated on 25th January as Foundation Day of Election Commission of India



Faculty and Students participation in the program on 25-01-2023





Hon'ble Chairman Sri.M.V.Koteswara Rao Garu hoisting the National Flag on the eve of 74th Republic Day Celebrations in campus premises.

NSS ACTIVITIES



Sri.Gopi Reddy Srinivasa Reddy Garu, Hon'ble MLA - Narasaraopet addressing the students in the District Level Neighbourhood Mock Parliament Session organized by NSS Unit in co-ordination with Nehru Yuva Kendra a wing of Ministry of Youth Affairs and Sports on 01-03-2023 in campus premises.



Students active participation in District Level Neighbourhood Mock Parliament Session in the campus premises on 01-03-2023.



Ground Water Status, Monitoring and Sustainable Development of Water Program was conducted on 21-03-2023





Hon'ble Narasaraopet MLA Dr. Gopireddy Srinivasa Reddy Garu participated in Blood Donation Program conducted at Bhuvana Chandra Town Hall, Narasaraopet on 30-05-2022.

NSS ACTIVITIES



Sri. T.K. Parandhama Reddy, RTO, Narasaraopet at NEC "Road Safety Program" on 19-01-2023





Hon'ble Principal addressing about the role of students to curb the malpractices in the electoral process on the eve of National Voters Day celebrated on 25th January as Foundation Day of Election Commission of India





Our Hon'ble Chairman Sri. M.V. Koteswara Rao garu giving his valuable speach on the occassion of Vivekananda Birth Anniversary celebrated as National Youth Day on 12-01-2023

DEPARTMENT OF PHYSICAL EDUCATION



Volleyball 3rd place Organized by KL University, Guntur (Koneru lakshmaiah memorial trophy 2K23) on 30th Jan to 1st Feb 2023



Shuttle Badminton 3rd place Organized by KL University, Guntur (Koneru lakshmaiah memorial trophy 2K23) on 30th Jan to 1st Feb 2023



NEC Chess Top 10th place Organized by KL University, Guntur (Koneru lakshmaiah memorial trophy 2K23) on 30th Jan to 1st Feb 2023



Cricket Winners NEC Organized by KHIT Samkalp 2K23 Sports Fest on 05&6th Jan 2023



NEC Kabbadi Team Wins Organized by Nehru Yuva Kendra, Guntur on 05th Feb, 2023



NEC Volleyball Team Wins Organized by Nehru Yuva Kendra, Guntur on 05th Feb, 2023



DEPARTMENT OF PHYSICAL EDUCATION





T. Siva (21471A1256), IT, Winner Organized by Nehru Yuva Kendra, Guntur at Narasraopeta Engineering College, Narasaraopet on 05th Feb, 2023



L.Prasanth (22475A0255) EEE, Runner Organized by Nehru Yuva Kendra, Guntur at Narasraopeta Engineering College, Narasaraopet on 05th Feb, 2023



Y. Anusha, ECE, is Winner in Shotput Organized by Nehru Yuva Kendra, Guntur at Narasraopeta Engineering College, Narasaraopet on 05th Feb, 2023



NEC Volleyball Team Won 1st Prize Organized by Universal College of Engineering, Guntur on 09th Feb to 10th Feb, 2023



D. Naganjali, (22475A222) EEE, Won First in Yoga Organized by Vignan's University, Guntur, Vignan Mahotsav 2K23, on 15th to 17th Feb, 2023



Kabaddi Winners NEC, Organized by RK College Of Engineering, Vijayawada (RK Inter College Sports Fest-2K23 on 24 & 25th Feb 2023



DEPARTMENT OF PHYSICAL EDUCATION





Cricket Winners NEC Organized by VIT-AP University VITOPIA Sports Fest 2K23 on 23rd to 26th Feb 2023



NEC Volleyball Team Won 1st Prize, Organized by Bapatla Engineering College, Bapatla, Guntur (BECTAGON 2K23) on 03rd & 04th March, 2023



Organized by Tirumala Engineering College, Narasaraopet, Guntur (TEC PRAYAGA 2K23) on 16th & 17th March, 2023



Organized by Tirumala Engineering College, Narasaraopet, Guntur (TEC PRAYAGA 2K23) on 16th & 17th March, 2023



KabaddiTeam NEC, Won 1st Prize, Organized by Tirumala Engineering College, Narasaraopet, Guntur (TEC PRAYAGA 2K23) on 16th & 17th March, 2023



Volleyball Team NEC, Won 1st Prize, Organized by A.M.Reddy group of Educational Institutions, Narasaraopet, Guntur (IGNITED MINDS 2K23 FEST) on 21st March, 2023

NEC College Events













Our Hon'ble Chairman Sri M.V.Koteswararao along with Principal Dr. M.Sreenivasa Kumar visiting Poster Presentation

Principal Dr. M.Sreenivasa Kumar & HoD of NEC visiting Poster Presentation

సంక్రాంతి సంబరాలు – 2023

SANKRANTHI SAMBARALU

College Events







Sri. M.Chakravarthy, Vice-Chairman, NEC Group TECH HUB Inaguration on 19-01-2023







NCC Ranking Ceremony on 23-01-2023

College Events

FRESHERS 2022 BATCH







Prof.K.Hemachandra Reddy, Chairman, APSCHE
along with NEC Management @ Freshers Day 2023

NEC FRESHERS 2023

04th February, 2023









International Women's Day



International Women's Day @ NEC on 08.03.2023









Happy Women's Day

Women excelled in different fields are falicitated

College Events





Mock Parliament Session was organized by NSS unit & NYK (Nehru Yuva Kendra) in NEC Campus on 01-03-2023. Dr. Gopireddy Srinivasa Reddy, MLA, Narasaraopet attended on this occassion



TCS MBU Sirius program was conducted on 25-03-2023







An International Conference conducted by ECE department on 24th & 25th March 2023

College Events



NEC ALUMNI ASSOCIATION (NAA)

Alumni MEET 2023

30th APRIL, 2023











NEC ALUMNI ASSOCIATION (NAA)

WELCOME TO

ALUMNI MEET 2023

NEC invites you to celebrate with all the familiar faces that you have missed over the past few years. Come and join us as we renew friendships, reminisce about days gone by and share in life experiences both old & new!

Chief Guests

SRIKANTH SURAMPUDI
Head HR
TCS - Hyderabad

RICHARD KING CHATRAGADDA
Region Head
Academic Interface Programme
TCS - Hyderabad

30th April 2023 Sunday

HOTEL SITARA GRAND
Miyapur Junction, Miyapur
Hyderabad













Srikanth Surampudi, Head HR &
Richard Kind Chatragadda, Region Head, Academic Interface Programme, TCS-Hyderabad,
attended ALUMNI MEET - 2023 @ Miyapur, Hyderabad

College Events



An Awareness Program was conducted on "ABROAD EDUCATION" on 28-03-2023



Ashleigh Veres, Director of Student Recruitment, Urvi Holkar, Student Recruitment Advisor from UNIVERSITY OF EAST LONDON Created awareness on ABROAD EDUCATION



Sri Y. Ravi Sankara Reddy, I.P.S, Superintendent of Police, Sri Siva Sankar Lotheti, I.A.S., Hon'ble Collector and District Magistrate, Palnadu District is creating awareness on anti drug activities on "ANTI DRUG DAY" on 26-6-2023

COURSES

UG-B.TECH

Civil Engineering
Electrical & Electronics Engineering
Mechanical Engineering
Electronics & Communication Engineering
CSE (Computer Science and Engineering)
CSE (Artificial Intelligence)
CSE (Artificial Intelligence & Machine Learning)
CSE (Data Science)
CSE (Cyber Security)
Artificial Intelligence & Machine Learning
Information Technology

PG-M.TECH

CSE - Computer Science and Engineering
CIVIL - Structural Engineering
ECE - Digital Electronics and Communication Systems
Digital Systems and Computer Electronics
VLSI and Embedded Systems
EEE - Power and Industrial Drives
MECH - Thermal Engineering
Machine Design

PG: MBA, MCA

Master of Business Administration (Dual Specialization)

Master of Computer Applications (Two Years Programme)





NEC

NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Kotappakonda Road, NARASARAOPET - 522 601,
Palnadu Dt., Andhra Pradesh.
Ph: 08647-239905/239907
E-mail: info@nrtec.in www.nrtec.in

AICTE | NBA NATIONAL BOARD OF ACCREDITATION for CSE & ECE | A+ NAAC (CYCLE - 2) | nirf | Global MCS ISO Certified 9001:2015

CAREERS360 AAA+

INDIA TODAY
Best Engineering Colleges Survey 2023
Narasaraopeta Engineering College
Exquisitely Ranked
183 PLACE IN THE COUNTRY

THE WEEK
14 NEC 91

ENGINEERING
TOP 15 PRIVATE ENGINEERING INSTITUTES
4th PLACE IN AP
TOP PRIVATE INSTITUTES - PLACEMENTS
3rd PLACE IN AP

THE TIMES GROUP