NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

NEC WAVES

A News Letter of

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

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

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NBA, Accredited by NAAC with 'A' Grade, An ISO 9001:2015 Certified Institution

Kotappakonda Road, Yallamanda (PO), Narasaraopet - 522601, Palnadu (Dist), Andhra Pradesh

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Dear Readers

A student must have discipline along with education. An educated person without any discipline becomes a demon in the society. On the 26th January 2022 Republic Day Celebrations were held in NEC with patriotic fervour NCC parade was the highlight of the programme.

NBA expert team {Dr.K. Babu Rao, visiting Co-ordinator, Prof. Ravindra Kumar Wancho, Chairman, Prof. Sukvinder singh (Expert member), Prof. Ashok (Expert member)} visited NEC Campus on 7th, 8th & 9th January 2022. Within no time NEC received victoriously NBA tier 1 accreditation.

To commemorate the greatness of Swami Vivekananda our nation observes his birthday as National Youth Day. On this occasion NEC conducted essay writing competition

IBM academic initiative programme is conducted Dr. Mani Madhukar, founder and MD, Mr. B.Mallesh Programme Manager, Global University Programme visited campus to sign MOU with NEC on 30-03-2022.

Anti-social elements in India are trying to destabilize the country by making use of the youth. The major problem among the youth at the present juncture is 'Drug Addiction'. An awareness programme 'ANTI DRUG ABUSE' was conducted in NEC on 12-04-2022. Dr.Sk. Subhani, Second Judicial Magistrate, Narasaraopet, Dr. M.Naga priya, S.P.S Endocrane hospital, enlightened the students.

Sri K. Ajay Reddy, Chairman, APSSDC and Sri V.V.N. Raj, CEO Indo Euro Synchronization visited NEC Campus for 'student interaction and industry internship certificates distribution programme advanced certification in emerging technologies. This programmme was conducted in association with ARC Lab of ECM and APSSDC.

An MNC company HCL presents Top Achievers Award to NEC on 1st May 2022. It is another great achievement of NEC. 'JUBILATION 2022', A national level student Tech Fest was conducted by all the departments. Project expo, PPT presentations, Quiz programmes were conducted and prizes were distributed to winners.

When the growth and development occurs in leaps and bounds across the world we must not be silent spectators and we must be part and parcel of it. NEC always inculcates this concept among the students. Department of Computer Science Engineering conducted an International Conference on "Artificial Intelligence and its Emerging Areas" from 03-06-2022 to 04-06-2022. It has got a tremendous response from all over the world.

In democracy vote is the weapon. Every citizen must know the prominence of it. Dr. M. Sreenivasa Kumar, Principal, NEC created awareness on the importance of franchising the vote on National Voters Day.

The Principal and the staff members always try to update the students to become a good citizens in the society.

----Editor

Principal's Desk


Dr. M. Sreenivasa Kumar, Principal

Narasaraopeta Engineering College is one among reputed technical institutes imparting the finest quality education. It has been a forerunner in recognizing the needs of the industry and integrating knowledge with professional inputs. The evolution of the institute since 1998 has witnessed the strong blend of state-of-the-art infrastructure and intricately intertwined human resource committed to providing professional education with thrust on creativity and innovation.

we ensure a futuristic approach that keeps pace with the changing trends in the professional world through our global perspective.

It is found that the institution has achieved so many feathers to its crown during the last few years. The College Achieved NBA tier -1 accreditation. Also applied for NAAC accreditation cycle 2. The efforts taken by the Faculty, Staff and Students to reach this success are commendable. Hope the success sustains.

Besides technical competence, we imbibe moral values which are equally important to make them better citizens besides honing their technical skills.

The College has a rich tradition of soaring high with academic excellence and overall personal growth of the students.

I am proud of the exceptional body of teaching staff, engaging the students in a wide range of exciting learning opportunities.

I appreciate the efforts taken by the editorial board to bring out the News letter.

Signing off with a quotation "Minds are like parachutes – they only function when open"

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.



Dr. M.Sreenivasa Kumar, Principal is felicitating the Chief Guest N.Shobha Rani, Sr. Civil Judge on the occation of Womens day Celebrations on 08-03-2022



Department of Civil Engineering

Dreamt it We Built it!



Vision

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

Mission

To provide infrastructure and Train the students as technologically motivated Civil engineers and researchers who can serve the society competently.

To provide experienced and dedicated faculty for nurturing successful civil engineering professionals for Industry and allied fields.

To ignite innovative thinking, entrepreneur skills among students with ethical values.

New Trends in Technology:

Advanced Building Materials Will Shape the Civil Engineering Designs of the Future



Advanced materials with shifting properties that adapt to external conditions are being introduced into the civil engineering industry. From cement composite, advanced steel, and self-healing concrete, to fiber-reinforced polymer composites, technology is transforming the materials being used in construction.

Advanced materials with shifting properties that adapt to external conditions are being introduced into the civil engineering industry. From cement composite, advanced steel, and self-healing concrete, to fiber-reinforced polymer composites, technology is transforming the materials being used in construction.

Robotics – Construction Technology Trends



Rapidly moving from science fiction to reality, robots begin to enter construction in several areas. From autonomous rovers that can increase the efficiency and detail of site inspections to mechanical arms that automate highly repetitive tasks like brick-laying and tying rebar, the robotic revolution looks set to gather a significant pace in 2022. One of the best emerging trends in civil engineering.

Roboties is something that shouldn't be overlooked. Industries like healthcare are already investing a lot of money in them. As these robots grow even more precise and accurate, they'll become a commanding force in the construction industry. Construction technology in civil engineering.

In the beginning, the cost of robotics will be high, but it will still be well worth it to at least pay attention to this technology. Eventually, we may witness robots being able to do things like lay bricks and tie rebar, and we may even see them complete most of the current man-operated construction projects in the coming years.

Faculty Focus

Dr.P.Naga Sowjanya got patent on A Hydraulic Jack Assembly with Safety and Sensing Mechanism on 04/03/2022.

Dr.P.Naga Sowjanya Reddy has ratified as Associate Professor from JNTU-Kakinada.

Dr.J.Chandra Sekhar Reddy has ratified as Assistant Professor from JNTU-Kakinada.

K.Anil Kumar has ratified as Assistant Professor from JNTU-Kakinada.

Meghanadh has ratified as Assistant Professor from JNTU-Kakinada.

N.M.Subhani has ratified as Assistant Professor from JNTU-Kakinada.

M.N.S.Sambasiva Rao has ratified as Assistant Professor from JNTU-Kakinada.

Jeya vignes.k has ratified as Assistant Professor from JNTU-Kakinada.

K.Yamuna has ratified as Assistant Professor from JNTU-Kakinada.

M.Ramesh Babu has ratified as Assistant Professor from JNTU-Kakinada.

U.Suresh has ratified as Assistant Professor from JNTU-Kakinada.

S.Murali Krishna has ratified as Assistant Professor from JNTU-Kakinada.

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

Dr.P.Naga Sowjanya has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0),Narasaraopeta Engineering College (Autonomous), Narasaraopet On 14th February .

Dr.P.Naga Sowjanya has Successfully Participated In A Webinar Research Methodologies of Contemporary times: Exploring English Language, Literature and Teaching SRR& CVR On 5th February .

K.Anil kumar has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0),Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .

N.M.Subhani has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0),Narasaraopeta Engineering College (Autonomous), Narasaraopet On 14th February .

Koppula Meghanadh has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0),Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .

M.N.S.Sambasiva Rao has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0),Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February.

Important Activities held in the Department

Civil Engineering Department has organized two week workshop on "Primavera" through APSSDC Conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 03-03-2022 to 15-03-2022.

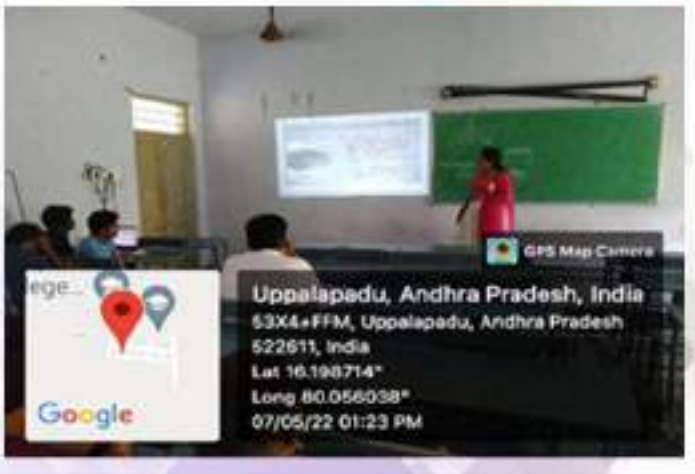
Civil Engineering Department has organized five days' workshop on "Land survey using Total Station" through Ladder survey Institute of Technology, Chennai Conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 18-04-2022 to 22-04-2022.

Civil Engineering Department has organized one day webinar on "Importance of construction planning management" by NICMAR, PUNE on 11-05-2022.

JUBILATION 2K22

The Department of Civil Engineering has conducted academic events in three categories viz. Paper Presentation, Technical Quiz and Model making. On that day (07.5.2022) Paper Presentation, Technical Quiz and model making competitions were conducted. About 13 student teams from various colleges have participated actively in the Paper Presentation. Out of total 13 student teams 2 student teams are from KHIT,Guntur; rest of 11 teams are from Narasaraopeta Engineering College, Narasaraopet have actively participated in presentations of recent trends in Civil Engineering Dr.Satish kumar Moparthi , Head, Department of Civil Engineering, KHIT has acted as judge for the presentation programme. Three prizes were announced after thorough evaluation. The following are the details of the winners.

S.No.	Participant Name	College Details	Position	Topic Presented
1	P.Akash	NEC, Narasaraopet	I	Estimation and Scheduling by using Primavera
2	B.Naga Vamsi Krishna	KHIT,Guntur	II	Self-healing concrete
3	Ch.Pujitha	NEC, Narasaraopet	III	Solar road ways



S. No.	Participant Names	College Details	Position
1	K.Sukanya	NEC, Narasaraopet	I
2	K.Naga Yasawini	NEC, Narasaraopet	II



Advanced materials with shifting properties that adapt to external conditions are being introduced into the civil engineering industry. From cement composite, advanced steel, and self-healing concrete, to fiber-reinforced polymer composites, technology is transforming the materials being used in construction.

Eleven teams participated in Model making from Narasaraopeta Engineering College (A), Narasaraopet. Dr.Satish kumar Moparthi, Head, Department of Civil Engineering, KHIT has acted as judge for the Model making programme. The details of Model making winners are mentioned below.

S. No.	Participant Name	College Details	Position	Topic Presented
1	P.Kishore	NEC, Narasaraopet	I	Dam model
2	D.Bhargava Sai	NEC, Narasaraopet	II	Sink holes
3	Y.Bhavani prasad	NEC, Narasaraopet	III	NEC Model



Academic Toppers

Students of IV, III & II year who stood top 10 Positions in the semester end examinations held in January/February-2022.







Brief Intro about New Faculty



Mrs. A.Lakshmi Prasanna has completed B.Tech from Chaitanya Institute of Engineering and Technology,Rajahmundry and M.Tech. from Godavari Institute of Engineering and Technology,Rajahmundry with a specialization of Structural Engineering. She published one international journal paper.



Mr V. Prasanna kumar has completed B. Tech from Narasaraopeta Engineering College and M.Tech. From Nalanda Institute of Technology,Sattenapalli with a specialization of Transportation Engineering. He published one international journal paper.



Mrs K. Yamuna has completed B.Tech from Rise Krishna Sai Gandhi group of institutions,Ongole and M.Tech. From Rise Krishna Sai Prakasam group of institutions,Ongole with a specialization of Structural Engineering.



Mr. M.Ramesh babu has completed B.Tech from Sri Sunflower Engineering college,Lankapalli and M.Tech. From SVH college of Engineering with a specialization of Structural Engineering.



I. Chandra Sekhar Reddy has completed B.Tech in Civil Engineering from Universal College of Engineering and Technology, Guntur and M. Tech in Structural Engineering from Universal College of Engineering and Technology, Guntur and Ph.D. from Vignan's Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur, Andhra Pradesh.He has published four International journal papers.

Alumni Voice



N.Roja Kiran, Batch (2017-2021), System Engineer, Tata consultancy Services, Hyderabad.

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.

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.

R.Guru sai kumar, Regd. No. 18471A0137, IV B. Tech

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Vision

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

Mission

M1: To provide knowledge based technology and infrastructure to meet the needs of industry and society.

M2: To assimilate innovation and research oriented culture to make successful professionals and entrepreneurs.

M3: To encourage lifelong learning with ethics among the students so as to make them as responsible individuals.

New Trend

Electric Vehicle

Tesla recently hit the $100 billion milestone, making itself the first publicly listed US car maker in history to do so. This is a good sign that electric vehicles have come to stay.

Experts predict that by 2030, there would be over 125 million electric vehicles on the road. Considering the millions of EVs that are already roaming the streets, this is not so much of a long-short. Many EV manufacturers are investing hard into the tech, and consumers can expect better batteries, improved charging tech, more accurate autonomous driving, solar-powered Evs, and even electric planes.



Eye-Tracking

Two methods for objectively measuring eye tracking data quality are explored. The first method works by tricking the eye tracker to detect an abrupt change in the gaze position of an artificial eye that in actuality does not move. Such a device, referred to as an artificial saccade generator, is shown to be extremely useful for measuring the temporal accuracy and precision of eye tracking systems and for validating the latency to display change in gaze contingent display paradigms.

The second method involves an artificial pupil that is mounted on a computer controlled moving platform. This device is designed to be able to provide the eye tracker with motion sequences that closely resemble biological eye movements. The main advantage of using artificial motion for testing eye tracking data quality is the fact that the spatiotemporal signal is fully specified in a manner independent of the eye tracker that is being evaluated and that nearly identical motion sequence can be reproduced multiple times with great precision. The results of the present study demonstrate that the equipment described has the potential to become an important tool in the comprehensive evaluation of data quality.

Faculty Focus:

International Journals:-

Dr.P.Lakshmanan has presented a paper on "Smart monitoring of Distribution Transformer performance condition using IoT" by The Advanced computing & Communication systems-ICACCS 2022 held on 25-03-22 & 26-03-22 at Sri Eshwar College of Engineering, Coimbatore, TamilNadu, India.

Faculty Patents

Dr.P.Lakshmanan has patent on "NANO ELECTRONICS BASED SOLAR CELLS FOR EFFICIENT PERFORMANCE OF ABSORPTION OF SOLAR ENERGY".
Application Number-202211013548, Publication Date-01-04-2022.

Faculty Newly Appointed

Mr.P.Naganjaneyulu newly joined as Assistant Professor.



Mr. P.Naganjaneyulu, completed B.Tech (EEE) from Sri Veera Venkata Satyanarayana Engineerign College (SVVSN) (Affiliated to JNTUK, Kakinada), Ongole Prakasam Dist. Andhra Pradesh state in the year 2011 & completed M.Tech (Power Systems) from A.M.Reddy Memorial College of Engineering & Technology (Affiliated to JNTUK, Kakinada), Uppalapadu, Guntur Dist, Andhra Pradesh State in 2014. He has 8 years of Experience in teaching.

FDPs Attended:-

Mr.SK.MD.Shareef attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Mr.SK.MD.Shareef attended in a webinar on "Intellectual Property Rights and its Protection" organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College, Narasaraopet.

Mr.P.D.V.S.K.Kishore attended & certified on one week FDP "Modern Research Innovative Technique is smart grid Technologies" from 1-02-2022 to 19-02-2022 organized by the dept. of EEE, Narayana College, Nellore.

Mr.P.D.V.S.K.Kishore attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Mr.G.Nagaraju attended one week STTP on "Soft Computing Technique in electrical systems" held from 14-03-2022 to 19-03-2022 organized by Dept. of EEE, Bapatla Engineering College, Bapatla.

Mr.G.Nagaraju attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Mr.G.Nagaraju attended in a webinar on "Intellectual Property Rights and its Protection" organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College, Narasaraopet.

Mr.M.Chandra Sekhar attended & certified in Celonis Academy Fundamentals & Experts Educator Training held on 19-01-2022.

Mr.M.Chandra Sekhar attended in a webinar on "Intellectual Property Rights and its Protection" organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College, Narasaraopet.

Mr.SK.Karimulla attended and certified Online FDP on "Bio inspired Optimization Techniques" held from 17-01-2022 to 21-01-2022 organized by NITTTR, CHANDIGARH.

Mr.SK.Karimulla attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Mr.SK.Karimulla attended in a webinar on "Intellectual Property Rights and its Protection" organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College, Narasaraopet.

Mr.B.Praveen Kumar attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Mr.G.Naveen attended and certified in one week FDP on "Intelligent Control Techniques for Electrical Systems" held from 31-01-2022 to 04-02-2022 Organized by Seshadrirao Gudlavalleru Engineering College, Gudlavalleru.

Mr.G.Naveen attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Mr.SK.Abdul Kalam attended & certified in Celonis Academy Fundamentals & Experts Educator Training held on 19-01-2022.

Mr.SK.Abdul Kalam attended and certified in one week FDP on "Intelligent Control Techniques for Electrical Systems" held from 31-01-2022 to 04-02-2022 Organized by Seshadrirao Gudlavalleru Engineering College, Gudlavalleru.

Mr.SK.Abdul Kalam attended in a webinar on "Intellectual Property Rights and its Protection" organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College, Narasaraopet.

Mr.SK.Abdul Kalam attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Mr.G.Narasimha Rao attended in a webinar on "Intellectual Property Rights and its Protection" organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College, Narasaraopet.

Mrs.P.Bramaramba vathi attended in a webinar on "Intellectual Property Rights and its Protection" organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College, Narasaraopet.

Mrs.P.Bramaramba vathi attended FDP on "Integration of Green Energy Resources" during 01-02-2022 to 07-02-2022, organized by AICTE-ISTE.

Organized Programs:-

JUBILATION-2K22

The department of EEE organized A National level students TECH-FEST In Association with Indian Society for Technical Education (ISTE). On 07-05-2022.





Technical Paper Presentation Contest was conducted on 07-05-2022 at seminar hall, Department of EEE.

The Project Expo event is conducted by the department of EEE on 07-05-2022.





The Technical Quiz Program was conducted by the Department of EEE on 07-05-2022.

Farewell Program

The Department of EEE III year Students Organized Farewell Function for the IV year Students held on 25-05-2022.





Practical Training Program

A Two week Practical Training was conducted for IV EEE on "PLC & VFD" in Association with Axis Global Automation, Chennai from 21/02/22 to 01/04/22. The trainers are Mr.R.Vignesh & Mr.S. Loganathan.





The Principal Dr. M. Sreenivasa Kumar & HOD of EEE Dr. P. Lakshmanan addressed the students about the importance of PLC in today's world.

The objective of the program is to discuss the programmable logic controller with the control panel wiring using programming language.





A PLC with an appropriate memory size and speed needs to be selected based on the variable frequency drive (VFD) technique.

Student Focus

MOOCS:-

Three students are completed MOOC course on Electrical Vehicles Part-I.





Student Achievements:-

Technical Paper Presentation

K. MANIKANTA, 20471A0217 won first Prize in Technical Paper Presentation on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

M.VENKATESWARA RAO, 20471A0221 won first Prize in Technical Paper Presentation on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

Project Expo

SK. SHAMREEN KOWSER, 18471A0231 won First Prize in Project Expo on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

CH.SANTHI PRIYANKA, 18471A0206 won Second Prize in Project Expo on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

K.SRIHARI, 19475A0225 won Third Prize in Project Expo on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

Technical Quiz

V. PRANAY NAGA SAI, 21475A0230 won first Prize in Technical Quiz on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

K.DURGA SANKAR, 21475A0228 won first Prize in Technical Quiz on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

G.PRUDHVI RAJ, 21475A0227 won first Prize in Technical Quiz on 07-05-2022 organized by Jubilation 2K22, Narasaraopeta Engineering college Narasaraopeta.

VIDYOUTH - 2K22

SK. SHAJID ALI, IV EEE Participated in Paper Presentation on 30-04-2022 organized by VIDYOUTH – 2K22, University College of Engineering, Narasaraopet.

S. SAI PARABRAHMA, IV EEE Participated in Project Expo on 30-04-2022 organized by VIDYOUTH – 2K22, University College of Engineering, Narasaraopet.

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

Placements:-

40 Students are placed in different MNCs in Campus Placement Drive in College with and average Package of 4.5LPA.

Training programmes Organized:-

CRT- Training Programme for III B.Tech-EEE from 03-01-2022 to 08-01-2022 Organized by /Resource Person Bytexl Team.





CRT- Training Programme for IV B.Tech-EEE from 03-01-2022 to 08-01-2022 Organized by /Resource Person Bytexl Team.

CRT- Training Programme for II B.Tech-EEE from 21-03-2022 to 16-04-2022 Organized by /Resource Person Bytexl Team.





CRT- Training Programme for III B.Tech-EEE from 24-03-2022 to 04-06-2022 Organized by /Resource Person Bytexl Team.

CRT- Training Programme for II B. Tech-EEE from 23-05-2022 to 11-06-2022 Organized by /Resource Person Bytexl Team.





Practical Training Programme for IV B.Tech-EEE on "PLC & VFD" from 21-03-2022 to 01-04-2022.

"Hacker-Run" Training Programme for 18 students of III B.Tech-EEE from 16-05-2022 to 21-05-2022.



Alumni Voice:-



M.TEJESWINI
Software Engineer
Accenture.

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

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

Student's Voice:-



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

M. LAKSHMI NARAYANA
19475A0231 (IV EEE)

Vision

To produce competent Professionals in mechanical engineering to become part of the Industry and Research Organizations at the National and International levels and to become entrepreneurs with professional ethics and Indian Values.

Mission

The Department of Mechanical Engineering is committed:

To employ faculty and staff with performance of Excellence and Dedication and to establish laboratories to meet curriculum and research requirements.

Train the students to use mechanical engineering software, understand the technical specifications of different machines, and provide novel engineering solutions and efficient product designs.

Adopt professionalism, ethical attitude, communication skills, team work, lifelong learning in their profession.

MODERN TRENDS IN TECHNOLOGY:

SELF-DRIVING CARS: A self-driving car, also known as an autonomous vehicle (AV), autonomous car, driver-less car, or robotic car (robo-car), is a car incorporating vehicular automation, that is, a ground vehicle that is capable of sensing its environment and moving safely with little or no human input.

Self-driving cars combine a variety of sensors to perceive their surroundings, suchas thermographiccameras, radar, lidar, sonar, GPS, odometry and inertial measurement units. Advanced control systems interpret sensory information to identify appropriate navigation paths, as well as obstacles and relevant signage.

Benefits Of Autonomous Cars

90% reduction in traffic deaths. Yes, you read that right
60% drop in harmful emissions
Eliminate stop-and-go waves by 100%
10% improvement in fuel economy
500% increase in lane capacity
40% reduction in travel time
Consumer savings of £5bn



FACULTY FOCUS:
FACULTY PUBLICATIONS:

Dr.B.Venkatasiva, HOD ME published a Journal paper entitled "Modelling and Analysis of Car Wheel Rim using CAD/CAE Tools", INTERNATIONAL Journal Of Mechanical Engineering, ISSN: 0974-5823, Vol.7 5may 2022.

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

Mr. M.Venkaiah, Assistant Professor attended one week FDP on "Emerging Trends in Thermal Engineering", through online mode conducted by PVPSIT in Association with ISHRAE Vijayawada Chapter.

Dr.B.Venkatasiva, HOD ME acted as a Peer Reviewer in "Advances in Mechanical Engineering and Material Science ICAMEMS-2022", Conference Organised by VIT AP University during 22/01/2022 to 24/01/2022.

Dr D.Jagadish, Professor ME got Outstanding Reviewer Award for 2022 acting as reviewer of Journal GRET "Engineering Aerospace Technologies in Aerodynamics, propulsion and Materials".

Dr.M.Sreenivasa Kumar Principal NEC participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

Dr D.Sunil Vice Principal NEC participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

Dr B.Venkatasiva HOD ME participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

Dr D.Jagadish Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

Dr P.Suresh babu Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

Ch.Sekhar Associate Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

N.Vijay Sekhar Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

T.Ashok Kumar Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

K.Kirachand Associate Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

K.John babu Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

A.Pavan Kumar Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

M.Venkanna babu Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

SK.Bajan Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

P.Sravani Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

K.Raghavendra Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

P.Srinivasarao Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

B.Rambabu Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

B.Rajiv Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

SK.Nagul Meera vali Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

M.Venkai Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

M.Mahesh babu Assistant Professor participated in a Webinar on "Intellectual Property Rights and its Protection", Organized by Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous), Narasaraopet on 14/02/2022.

Dr.B.Venkatasiva,Professor HOD ME participated in ARC - Faculty development program on " FESTO PLC Training " Organized by Indo-Euro Synchronization ARC, Germany during 10/02/2022 to 11/02/2022.

CH.Sekhar, Associate Professor participated in ARC - Faculty development program on "FESTO PLC Training " Organized by Indo-Euro Synchronization ARC, Germany during 10/02/2022 to 11/02/2022.

Dr.Penugonda Suresh Babu, Associate Professor participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Robotics and Artificial Intelligence" from 07/02/2022 to 11/02/2022 at Lakireddy Bali Reddy College Of Engineering, Mylavaram.

Dr B.Venkatasiva HOD ME attended for Ratification. of faculty at Jawaharlal Nehru Technological University, Kakinada (JNTU Kakinada) East Godavari district, Andhra Pradesh on 23/02/2022.

Dr D.Jagadish Professor attended for Ratification of faculty at Jawaharlal Nehru Technological University, Kakinada (JNTU Kakinada) East Godavari district, Andhra Pradesh on 23/02/2022.

Dr.B.Venkata Siva, Professor HOD-ME acted as a Manuscript reviewer for "Estimation of Effect of Cold Forging Deformational Behavior on Al-2024 Alloy Reinforced with Fly-Ash Particulates", in 1st International Conference on Mechanical Engineering and Emerging Technologies.

T.Ashok Kumar Assistant Professor attended FDP on "Artificial Intelligence/Machine learning for Mechanical Engineering Problems", organized by Shri Vishnu Engineering College for women ,Bhimavaram West Godavari A.P, during 21/03/2022 to 26/03/2022.

Bachali Rambabu Assistant Professor applied for patent on "An Alphabetic Rotating Toy", in Intellectual Property India Patents Designs Trade Marks Geographical Indications with application number 354790-001 and Cbr number 210806.

Dr.B.Venkata Siva, Professor HOD-ME acted as a Manuscript reviewer for "Estimation of Effect of Cold Forging Deformational Behavior on Al-2024 Alloy Reinforced with Fly-Ash Particulates", in 1st International Conference on Mechanical Engineering and Emerging Technologies, Bapatla Engineering College,Bapatla.

FACULTY CERTIFICATIONS:

Mr. M.Venkaiah, Assistant Professor completed certification course on "25 Days Machine Learning Master Class", from Pantech e learning online certification program.

Mrs. P.Sravani , Assistant Professor completed certification course on "30 Days Machine Learning Master Class", from Pantech e learning online certification program.

CO CIRCULAR ACTIVITIES (SPORTS):

Faculty from Mechanical Engineering Department participated in cricket as a part of Jubilation 2K22 sports events during 09/03/2022 to 20/03/2022.





Faculty from Mechanical Engineering Department participated in Volley ball as a part of Jubilation 2K22 sports events during 09/03/2022 to 20/03/2022.

Faculty from Mechanical Engineering Department participated in Chess as a part of Jubilation 2K22 sports events during 09/03/2022 to 20/03/2022.



Faculty from Mechanical Engineering Department participated in Shuttle as a part of Jubilation 2K22 sports events during 09/03/2022 to 20/03/2022.





Faculty from Mechanical Engineering Department participated in Carroms as a part of Jubilation 2K22 sports events during 09/03/2022 to 20/03/2022.

Department has organized "CRT Training", for third and final year students during 03/01/2022 to 08/01/2022 T.V Rao, Kokila. Lakshmi and N.Vishnu acted as Resource persons.





Department has organized short term course on "3D and 4D Printing Applications", through ICT online mode for faculty in association with NITTTR Chandigarh during 17/01/2022 to 21/01/2022.

Department has organized Competition on "ICT-Autodesk India Design Week - 2022 Competition", for third and final year students in association with NITTTR Chandigarh on 22/01/2022.





Department has organized motivational speech "Successful Entrepreneurs/Startup Founders", Program for first and Second year students on 09/02/2022 , Mr.M. Venkatesh, Director of 'Durga Vaibhav Platics pvt acted as a Resource person , Dr B.Venkatasiva , HOD ME , Dr D.Jagadish , Professor ME acted as coordinators.

Department has organized a Two Week Workshop for final year students on "INDUSTRIAL AUTOMATION USING PLC & HMI", in Association with AGIIT,Chennai during 03/03/2022 to17/03/2022, For this Workshop R.Vignesh, Senior Application Engineer, S.Venkateshan, Senior Application Engineer acted as Resource persons.



Department has organized a one week TCS Codevita Training Program for third year students during 28/02/2022 to 05/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr.Akhilesh, Trainer (82777 19428), acted as a Resource person.



Department has organized training program for second ,third and final year students on "CATIA", through online mode in Association with Andhra Pradesh Skill Development Program APSSDC during 13/03/2022 to 14/03/2022.

Department has conducted JNTU-Kakinada Ratification for Assistant Professors, Dr.P.Rama Sreekanth Professor VIT-AP Amaravathi, Dr.G.Suresh Professor Vignan University & Dr. K.Meera Saheb Professor JNTU-Kakinada, acted has panels of experts.

Department has organized "PYTHON", Training Program for second year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. Subba rao, Trainer acted as a Resource person.





Department has organized APTITUDE Training Program for second year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. Mahesh,, Trainer acted as a Resource person.

Department has organized PYTHON Training Program for third year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. Ismail, Trainer acted as a Resource person.





Department has organized PYTHON Training Program for third year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. Ismail, Trainer acted as a Resource person.

Department has organized PYTHON Training Program for second year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. Avinash, Trainer acted as a Resource person.





Department has organized APTITUDE Training Program for second year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr.Kiran, Trainer acted as a Resource person.

Department has organized PYTHON Training Program for third year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. Ismail, Trainer acted as a Resource person.





Department has organized APTITUDE Training Program for third year students on 22/03/2022 and 24/03/2022, in Association with BYTEXL training Hyderabad For this Training Program Mrs. Ayesha, Trainer acted as a Resource person.

Department has organized a APSSDC program on "Student Interaction & Industry Internship Certificate Distribution To Meritorious Students", for this program Mr. Konduru Ajay Reddy, Chairman APSSDC, Mr.V.V.N.Raj, CEO Indo Euro synchronization, are acted as a resource persons on 29/04/2022.





Department has organized a Webinar on "Applications Of CAD Tools In Aeronautical And Automotive Industries", for this webinar Mr. B. Hanumantha rao - MD (Tirumala Cadd Centre), Narasaraopet acted as a resource person on 30/04/2022.

Department has organized a project review for final year students on 30/04/2022. Dr.D.Jagadish, Professor Ch.Sekhar, Associate Professor are acted as Coordinators.





Department has organized a project review on 07/05/2022 for third year students, Dr.DJagadish, Professor Ch.Sekhar,Associate Professor are acted as Coordinators.

Department has organized PYTHON Training Program for second year students during 04/05/2022 to 06/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr.Avinash, Trainer acted as a Resource person.





Department has organized APTITUDE Training Program for second year students during 04/05/2022 to 06/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr.Kiran, Trainer acted as a Resource

Department has organized PYTHON Training Program for third year students during 04/05/2022 to 06/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. Ismail, Trainer acted as a Resource person.





Department has organized APTITUDE Training Program for third year students during 04/05/2022 to 06/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Mrs. Ayesha, Trainer acted as a Resource person.

Department has organized JUBILATION 2k22 Event "NATIONAL LEVEL STUDENT TECH FEST", in Association with The Institute of Engineers (India) ,Indian Society For Technical Education(ISTE) on 07/05/2022. The Event is Inaugurated by M. Koteswrarao garu (Honrable chairman) and Dr.M.Sreenivasa kumar, Principal NEC.Total 200 Students were enrolled for different activities.



Students participated in Engine Assembly and Disassembly on 07/05/2022.





Students participated in Technical Paper Presentation on 07/05/2022.

Students participated in Technical Quiz on 07/05/2022.





Students participated in Project Expo on 07/05/2022.

Department has organized Campus Recruitment Training Program for final year students during 09/05/2022 to 14/05/2022 , For this Training Program Dr.O,Ananda Trainer TPC Head acted as a Resource person.





Department has organized APTITUDE Training Program for second year students during 09/05/2022 to 14/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Bright Peterson (9908414252), Trainer acted as a Resource person.

Department has organized JUBILATION 2k22 Event "NATIONAL LEVEL STUDENT TECH FEST", in Association with The Institute of Engineers (India) ,Indian Society For Technical Education(ISTE) on 07/05/2022. The Event is Inaugurated by M.Koteswrarao garu (Honrable chairman) and Dr.M. Sreenivasa kumar, Principal NEC.Total 200 Students were enrolled for different activities.

Prizes were distributed for Engine Assembly and Disassembly on 14/05/2022.









Prizes were distributed for Technical Paper Presentation on 14/05/2022.

Department has organized CRT Training Program (Reasoning) for second year students during 16/05/2022 to 21/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Mrs. Ayesha Trainer acted as a Resource person.





Department has organized CRT Training Program (Aptitude & Verbal) for second year students during 16/05/2022 to 21/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr.Kiran, Trainer acted as a Resource person.

Department has organized a project review for final year students on 21/05/2022, Dr.D. Jagadish, Professor ,M. Venkanna Babu Associate Professor, Ch.Sekhar, Associate Professor are acted as Coordinators.





Department has organized Farewell Celebrations for final year students Mr.B.Anil kumar, Vehicle Inspecter (RTO Department) acted as a chief guest for this program.

Department has organized a one Week workshop for third year students on "3D Printing with Fusion 3600", in Association with Indian Institute of Engineers (Indian) Indian Society for Technical Education(ISTE) during 27/05/2022 to 02/06/2022, For this workshop Mr.Kopunuru Rakesh CEO KOPP3D Innovations POC PVT Limited acted as resource person.



Department has organized CRT Training Program (Reasoning) for second year students during 23/05/2022 to 28/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Mrs. Ayesha Trainer acted as a Resource person.





Department has organized CRT Training Program (Aptitude & Verbal) for second year students during 23/05/2022 to 28/05/2022 , in Association with BYTEXL training Hyderabad For this Training Program Mr.Kiran, Trainer acted as a Resource person.

Department has organized a project review for third year students on 28/05/2022. Dr.D.Jagadish, Professor , M.Venkanna Babu Associate Professor, Ch.Sekhar ,Associate Professor are acted as Coordinators.





Department has organized CRT Training Program (Reasoning & Aptitude for second year students during 30/05/2022 to 04/06/2022, in Association with BYTEXL training Hyderabad For this Training Program Mr. K.Siva, Trainer acted as a Resource person.

Department has organized Aptitude Training Program (Verbal) for second year students during 30/05/2022 to 04/06/2022 in Association with BYTEXL training Hyderabad For this Training Program Mr. N.Peterson, Trainer acted as a Resource person.





Department has organized CRT Training Program (Technical) for third year students during 30/05/2022 to 04/06/2022 , in Association with BYTEXL training Hyderabad For this Training Program Mrs M.S. Prasanna, Trainer acted as a Resource person.

Department has organized CRT Training Program (Resume writing) for third year students during 04/05/2022 to 06/05/2022, in Association with BYTEXL training Hyderabad For this Training Program Dr.O.Ananda, TPC HEAD NEC acted as a Resource person.



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 17/03/2022.



STUDENT FOCUS:

STUDENT CERTIFICATIONS PARTICIPATIONS IN WORKSHOPS / CONFERENCES/NSS PROGRAMS:

STUDENT CERTIFICATIONS:

Shaik Mahaboob Subani third year mechanical student completed certification course on "30 Days Machine Learning Master Class", from Pantech e learning online certification program.

Shaik sadhik second year mechanical student completed certification course on "Introduction to Electro Magnetism", fromSkill link online certification program.

D.Veeranji Reddy second year mechanical student completed certification course on "5 Days EV Design Master Class", from SKILL-AP APSSDC online certification program.

D.Veeranji Reddy second year mechanical student completed certification course on "Introduction to Thermal Fluid Sciences", from SKILL-AP APSSDC online certification program

K.Sasi Kumar second year mechanical student completed certification course on "Introduction to Fluid Mechanics", from Skill link online certification program.

K.Sasi Kumar second year mechanical student completed certification course on "Introduction to Thermal Fluid Sciences", from Skill link online certification program.

D Pardhu Ganesh second year mechanical student completed certification course on "Introduction to Fluid Mechanics", from Skill link online certification program.

D Pardhu Ganesh second year mechanical student completed certification course on "Applied Strength Of Materials Using Ansys Work Bench", from Skill link online certification program.

S.Rarendra vamshi second year mechanical student completed certification course on "Introduction to Fluid Mechanics", from Skill link online certification program.

S.Rarendra vamshi second year mechanical student completed certification course on "Applied Strength Of Materials Using Ansys Work Bench", from Skill link online certification program.

P.Purna Chandra Rao second year mechanical student completed certification course on "Introduction to Fluid Mechanics", from Skill link online certification program.

J.Nagendra babu third year mechanical student completed certification course on "Introduction to Fluid Mecahnics", fromSkill link online certification program.

Gangavarapu sri chandra sekhar third year mechanical student completed certification course on "Communication Skills", from TCS ION online certification program .

Gangavarapu sri Chandrasekhar third year mechanical student completed certification course on "Culture and E-mail Writing", from TCS ION online certification program.

Gangavarapu sri chandra sekhar third year mechanical student completed certification course on "Group Discussion", from TCS ION online certification program.

P.Gopinadh third year mechanical student completed certification course on "Communication Skills", from TCS ION online certification program.

M.sambasivarao Second year mechanical student completed certification course on "Digital Transformation", from Great learning online certification program.

G Anil third year mechanical student completed certification course on "Artificial Intelligence", from Future Learn learning online certification program.

Gangavarapu Sri Chandra Sekhar Reddy third year mechanical student completed certification course on "Resume Writing and Cover Letter", from TCS -ION learning online certification program

K Prudhvi Yashwanth Reddy third year mechanical student completed certification course on "Virtual Internship program", from Microsoft learning online certification program.

U.Shanmukha rao third year mechanical student completed certification course on "National Engineering olympaid", from NEO learning online certification program.

U.Shanmukha rao third year mechanical student completed certification Quiz on "Natural Farming", from Department of Agriculture and farmers welfare program.

U.Shanmukha rao third year mechanical student completed certification Quiz on "Surya Namaskar", from Minister of AYUSH – Govt of India program.

U.Shanmukha rao third year mechanical student completed certification Quiz on "Cyber Awareness", from Minister of Home affairs – Govt of India program.

U.Shanmukha rao third year mechanical student completed certification Quiz on "Water", from National Water Mission – Govt of India program.

U.Shanmukha rao third year mechanical student completed certification Quiz on "Union Budget", from My Government Congragulates program.

Department has organized a project review for third year students on 28/05/2022. Dr.D.Jagadish, Professor, M.Venkanna Babu Associate Professor, Ch.Sekhar, Associate Professor are acted as Coordinators.

U.Shanmukha rao third year mechanical student completed certification Quiz on "Say no to drugs", from My Minister of Home affairs – Govt of India program.

Chava Ashok third year mechanical student completed certification on "Fundamentals of Fluid Mechanics", from SKILL LINK learning online certification program.

Daddanala.Veeranji Reddy Second year mechanical student completed certification on "Fundamentals of Meshing and Hyper Mesh", from SKILL LINK learning online certification program.

M Santosh Kumar and M Charan Teja Second year mechanical students got third prize in "3D Art Competition", Organized by our college as a part of sankranti celebrations.

U.Shanmukha rao third year mechanical student completed certification on "Indian Constitution", from Department of Legal Affairs-NALSAR learning online certification program.

D Joseph second year mechanical student enrolled "International Association of Engineers –IAENG", membership.

Ch venkatramaiah second year mechanical student enrolled "International Association of Engineers –IAENG", membership.

B srinivas second year mechanical student enrolled "International Association of Engineers –IAENG", membership.

B.Chandra Bose, G.Prem Kumar, K.G.N.D.V.Prashanth, T.Avinashkumar Reddy are qualified for "Design now challenge", conducted by ICT Academy in association with Autodesk India, finals will be scheduled on 10th & 11th March 2022 at Sairam Institutions, Chennai.

M.Sashank second year mechanical student participated in "4.O Technologies", program conducted by CCBP 4. O academy online learning platform NxtWave Disruptive Technologies Private Limited.

B.Ramanjaneyulu second year mechanical student participated in "4.O Technologies", program conducted by CCBP 4. O academy online learning platform NxtWave Disruptive Technologies Private Limited.

Daddanala.Veeranji Reddy Second year mechanical student completed certification on "Introduction to CATIA", from SKILL LINK learning online certification program.

Daddanala.Veeranji Reddy Second year mechanical completed certification on "Frugal innovation of optical imaging Techniques",from SKILL LINK learning online certification program

Daddanala.Veeranji Reddy Second year mechanical completed certification on "Frugal innovation of optical imaging Techniques",from SKILL LINK learning online certification program

Daddanala.Veeranji Reddy Second year mechanicalcompleted certification on "Basic concepts of Solid Mechanics",from SKILL LINK learning online certification program.

Pilli Pedda Raju final year mechanical student completed certification on "6 Technology in 1 Introduction : Interview Preparation", from Learn Empower Evolvelearning online certification program.

Pilli Pedda Raju final year mechanical student attended workshop on "Power BI", from LUDUFI learning online certification program.

Pilli Pedda Raju final year mechanical student attended workshop on "Power Python", from LUDUFI learning online certification program.

Pilli Pedda Rajufinal year mechanical student attended workshop on "Career Guidance", from Easy BTech learning online certification program.

J.Dayakumar final year mechanical student attended workshop on "Career Guidance", from Easy BTech learning online certification program.

Kikkuru Prudhvi Yashwanth Reddy third year mechanical engineering student Successfully completed six months of training on "Google Data Analyst", from Coursera learning online certification program.

B.Chandra bose, G.Prem kumar, K.G.N.D.V Prasanth,and T.Avinash kumar final year mechanical students are participated in National Level Design Challenge during 24/03/2022 to 25/03/2022 organized by ICT ACADEMY.

PILLI PEDDA RAJU final year mechanical student completed certification on "AUTOCAD -2D", from LEARN DELTA learning online certification program.

M. Stephen Williams third year mechanical student completed certification on "Full Stack Web Development Program Demo Session", from EDUREKA learning online certification program.



Alladi Naresh final year mechanical student pursuing online training on "HTML, CSS, SQEL, CLOUD COMPUTING, AMAMZON WEB SERVICE", from Next Wave CCBP Intensive Training Program

Pilli Pedda Raju final year mechanical student completed certification on "Exploring Wind Energy", from SKILL-LINK learning online certification program.

Kikkuru Prudhvi Yashwanth Reddy third year mechanical student completed certification on "Google IT Support", from Coursera learning online certification program.

Kikkuru Prudhvi Yashwanth Reddy third year mechanical student completed certification on "Google Project Management", from Coursera learning online certification program.

Kikkuru Prudhvi Yashwanth Reddy third year mechanical student completed certification on "Working in a Digital World:Professional Skills", from IBM Skills build learning online certification program.

Kikkuru Prudhvi Yashwanth Reddy third year mechanical student completed certification on "Google Data Analytics", from IBM Skills build learning online certification program.

Pilli.Pedda Raju Reddy third year mechanical student completed certification on "Spoken English Course", from LEARN VERN Skills build learning online certification program.

Pilli.Pedda Raju Reddy third year mechanical student completed certification on "TCS- iON Career edge : Young professional", from TCS ION learning online certification program.

Koia. lakshmi vara prasad third year mechanical student completed certification on "Manufacturing Process Technology I & II – With 53%", from NPTEL online certification program.

Podila Gopinadh third year mechanical student completed certification on "HTML, CSS, and Javascript for Web Developers", from COURSERA online certification program.

U.Shanmukha rao third year mechanical student participated in "Seva, Sushsan, Garib Kalyan," quiz certification on "Indian Constitution", from My gov learning online certification program.

CO CIRCULAR ACTIVITIES (SPORTS):

Students from Mechanical Engineering Department participated in cricket won first prize in Jubilation sports events during 09/03/2022 to 20/03/2022.





Students from Mechanical Engineering Department participated in Khabbadi as a part of Jubilation sports events during 09/03/2022 to 20/03/2022.

Students from Mechanical Engineering Department participated in Kho Kho as a part of Jubilation sports events during 09/03/2022 to 20/03/2022.



Students from Mechanical Engineering Department participated in Volley ball as a part of Jubilation sports events during 09/03/2022 to 20/03/2022.



ALUMNI TALK:



Department has organized a one day Alumni talk to final year students on "Career Opportunities in Amazon Web Service", on 03/03/2022, For this program Mr. Muppineni. Ravi Teja (9491128496),Junior Devops Engineer, Digient Technologies,Chennai acted as a Resource person.



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 23/03/2022, For this program Mr. P.Anvesh (8096031855), Python Developer, Infosys, Hyderabad acted as a Resource person.



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 06/05/2022, For this program Mr.R.Siva kumar (8297553216) S2 engineering industries pvt Ltd. Deg design trainee Loc Hyderabad acted as a Resource person.



Department has organized a one day Alumni talk on "Carrier Guidance ", on 20/01/2021, For this program Mr.Adapa Bala Chandra Sekhar (7989484515), Senior Test Engineer Assistant TECH MAHINDRA, Hyderabad acted as Resource person.



Department has organized a one day Alumni talk to final year students on "Career Opportunities in Software Industry", on 12/03/2022, For this program MR. Bhavanam Mahether Reddy (9966699348), CASS Executive Engineer, Colruyt IT Consultancy India Pvt Ltd, Hyderabad acted as a Resource person.



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 18/04/2022, For this program Mr.G.Anil kumar (8297553216) Traine EngineerZealous quality inside Hyd acted as a Resource person.



Department has organized a one day Alumni talk to final year students on "Career Guidance", on 06/05/2022, For this program Mr. K.Vedadri Sai(7288826334) Soc Analyst company: ESF Labs, Vijayawada. (2014-18 batch). acted as a Resource person.





Department has organized a one day Alumni talk to final year students on "Career opportunities in Automobile Industry", on 18/05/2022, For this program Mr. J.Nasaraiah (8297553216) Kia Motors, Engineer Trainee Ananthapur (2016-2020 batch) acted as a Resource person.

INDUSTRIAL VISITS:

Students from third year Visited "Central Institute of Petrochemicals Engineering & Technology (CPIET", Vijayawada as a part of Industrial visit on 18/03/2022, faculty coordinators namely SK. Bajan, SK. Meeravali, B.Rajiv Kumar & M.Venkaiah.attended to this visit.





Students from second year Visited "Central Institute of Petrochemicals Engineering & Technology (CPIET", Vijayawada as a part of Industrial visit on 25/03/2022, faculty coordinator B.Rambabu Assistant professor,.attended to this visit.

Department has organized a one day Alumni talk to final year students on "Career Guidance", on 19/03/2022, For this program Mr.K.Naresh (8096031855), Quality Analyst, Cognizant, Chennai acted as a Resource person.



INTERNSHIPS:

The following are the Final year students allotted for Internship -2022.

INTERNSHIPS:

The following are the Final year students allotted for Internship -2022.

S.NO	ROLL NO	NAME	COMPANY NAME	LOCATION	DURATION
1	18471A0310	D.RAVI TEJA	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
2	18471A0313	G.ANAND BABU	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
3	18471A0322	K.SANDEEP	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
4	18471A0324	K.SAI TEJA	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
5	18471A0326	M.BHUPATHI	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
6	18471A0327	M.H.V.S KISHORE KUMAR	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
7	18471A0331	M.VISHNU VARDHAN REDDY	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
8	18471A0337	R.GOPI CHAND NAIK	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
9	18471A0338	R.KOTI SWAMI NAIK	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
10	18471A0340	S.NARENDRA BABU	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
11	18471A0341	S.GOPI REDDY	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
12	18471A0345	SK.NAYEEM	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
13	18471A0350	T.VAMSI SAI	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
14	18471A0353	V.AJAY BABU	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
15	19475A0301	S.BALARAMA KRISHNA REDDY	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
16	19475A0365	M.MAHENDRA REDDY	Janatha Garage Automobile Training Industry	GUNTUR	10-03-2022 to 24-03-2022
17	18471A0307	B.CHANDRA BOSE	Sri Sahasra Industries	Gannavarm, Krishna	14-03-2022 to 26-03-2022
18	18471A0315	G.BALAJI GUPTHA	Sri Sahasra Industries	Gannavarm, Krishna	14-03-2022 to 26-03-2022
19	18471A0316	G.PREM KUMAR	Sri Sahasra Industries	Gannavarm, Krishna	14-03-2022 to 26-03-2022
20	18471A0333	K.VAMSI KRISHNA	Sri Sahasra Industries	Gannavarm, Krishna	14-03-2022 to 26-03-2022
21	19475A0336	P.SRINU	Sri Gayatri Tractors	ELURU	14-03-2022 to 28-03-2022
22	19475A0347	P.T.VENKATRAMMOHAN	Sri Gayatri Tractors	ELURU	14-03-2022 to 28-03-2022
23	19475A0353	CH.BHARADWAJA NAIDU	Sri Gayatri Tractors	ELURU	14-03-2022 to 28-03-2022
24	19475A0356	A.BHASKAR	Sri Gayatri Tractors	ELURU	14-03-2022 to 28-03-2022
25	19475A0367	B.ANAND PAUL NAIK	Sri Gayatri Tractors	ELURU	14-03-2022 to 28-03-2022
26	19475A0379	B.NARENDRA KISHORE REDDY	Wipro Limited	Bangalore	21-02-2022 to 30-04-2022

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.

Butukuri Srinivasa Reddy (13471A03H7)
Software Engineer, Mspring info tech India pvt ltd. Bangalore.

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 strategies they mentor,guide us and teach classes in a practical manner and encouraged each and every student's interests. Our backbone is our HOD Dr.S.B.Venkatasiva sir who encourages student ideas and creates a platform to develop their ideas.

D.Hussen Reeza (18471A0311)

Vision

To emerge as a Centre 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

AI-powered cybersecurity:

The steep increase in cyberattacks, email phishing scams, and ransomware is forcing cybersecurity firms to search for tech solutions to address the vulnerabilities. Criminals are hacking individuals' accounts, countries' critical infrastructure, and businesses of all sizes, causing millions of dollars in losses.

Workplace digitization and remote working in response to the COVID-19 virus made it a priority to retrain employees on online safety to reduce data breaches and losses.

Businesses are also adopting new cybersecurity technologies, such as artificial intelligence(opens in new tab) (AI), to monitor and guard networks against hackers in real-time rather than responding to the threat after the damage is already done. Moreover, cloud storage companies are offering end-to-end encryption for online data storage and data transfers.

Faculty Focus,

Internet of Behaviors (IoB):

A lot of customer data is collected by service providers through IoT devices in the home. Businesses are using analytics and big data techniques to determine the data's value in what is now known as the Internet of Behaviors (IoB).

By reviewing this customer information, businesses can personalize their services, market their products, and improve a customer's experience with the company.

While personalized solutions are important, companies face an uphill battle convincing users to share personal data with them to develop these solutions.

Website hacking and other cybersecurity challenges also make customers uncomfortable about risking their privacy in return for valuable services. A different approach to data collection will be vital for businesses' data analysis needs.

Publications:

1. Amit Gupta "Performance analysis of 2% Fe2O3 Doped Thick-film Gas Sensor in Toxic Liquid Detection Using Machine Learning Techniques(689-693)" IEEE Xplore Part Number-CFP22P17-ART, Feb.2022, ISBN-978-1-6654-0118-0, Scopus Index International Conference .
2. Amit Gupta "Comparison Between Rectangular Microstrip Patch Antenna With And Without Defected Ground Structure at 1.85 GHz)" IEEE Xplore(International Conference for Advancement in Technology), Jan.2022, ISBN-978-1-6654-2577-3/22, Scopus Index International Conference
3. Amit Gupta ," Recessed Ground Parasitic Rectangular Patch Antenna for Wideless Communication(1497-1502)", IEEE Xplore(International Conference on Artificial Intelligence and smart system, Feb 2022, ISBN-978-1-6654-0051-0,, Scopus Index International Conference
4. Amit Gupta ," Cu-doped SnO2 Based Thick Film Gas Sensor for Toxic Liquid Detection using ANN", Springer(7th International Conference on Information System Design and Intelligent Applications, Feb. 2022
5. Amit Gupta ," Clustering Method Response and Recovery Time Analysis with Different Temperature for Different Toxic Gas(79-83)", IEEE Xplore(2nd International Conference on Innovative Practices in Technology and Management, Feb 2022, 978-1-6654-6643-1, Scopus Index International Conference.
6. Arjun Singh , Shashi Kant Dargar , Amit Gupta , Ashish Kumar , Atul Kumar Srivastava , Mitali Srivastava ,Pradeep Kumar Tiwari , and Mohammad Aman Ullah "Evolving Long Short-Term Memory Network based Text Classification" Computational Intelligence and Neuroscience,Hindawi Publication. Volume 2022, Article ID 4725639, 11 pages, https://doi.org/10.1155/2022/4725639.
7. .Dr.Amit Gupta, Dr Shashi Kant Dargar , Dr. B. Raghavaiah and Dr. A. V. Nageswara Rao" Comparison Between Rectangular Micro strip Patch Antenna With And Without Defected Ground Structure at 1.85 GHz" . Electronic ISBN: 978-1-6654-2577-3,Print on Demand(PoD) ISBN:978-1-6654-2578-0
6. Dr. Shaik.BajidVali, Dr.V.Venkata Rao, Dr.MD.Javeed Ahammed, "Human gait detection using silhouette image recognition "Turkish Journal of Computer and Mathematics Education (TJCME) Scopus Indexed Journal, April 2021, Vol.12 Issue No.7(2021), PP:1320-1326

Patents Filed:

S. No.	Name of the faculty	Patent Title	Application number	Filing Date
1	Dr.J.V.K.Ratnam	A Digital signal processing system for an electronic Gaming devices	202241004368A	4-2-22

NPTEL Courses Completed:

No	Name of the faculty	Course Name	Date of Completion
1	Dr. A.V. Nageswara rao	Microprocessors and interfacing	Jan-April 2022
2	Dr.Amit Gupta	Computer networks and internet protocol	Jan-April 2022
3	Dr.Amit Gupta	Introduction to Internet of Things	Jan-April 2022

Programmes/Events Attended:

S.No	Name of the Faculty	Title of the event	Date(s)	Details of the Organizers
1	Dr. Amit Gupta	STC on Industrial IOT and Robotics	22-11-21 to 27-11-21	NITTTR Chandigarh
2	Dr. Amit Gupta	One-week FDP on "Machine Learning Algorithms for Real Time Systems(MLADTS)"	24-1-22 to 29-1-22	Gandhanjali College of Engineering and Technology Medchal
3	Dr. Amit Gupta	One-week FDP on Wearable Devices	13-2-2022 to 19-2-2022	Narayana Engineering College, Gudur.
4	Dr.A.V.Nageswara Rao, Dr SK.Bajid vali, Dr. Amit Gupta	One-week on-line FDP on VLSI	20-02-2022 to 26-02-2022	SRKR Engg college, Bhimavaram
5	Dr. Amit Gupta, Dr.Sasikanta nayak	Five-day national level workshop on Revolutionizing industrial digital transformation through connected technologies	28-2-2022 to 4-3-2022	Siddharth institute of Engg&tech Annamayya
6	Dr.A.V.Nageswararao	AICTE-ISTE Orientation/refresher program on "Emerging trend in Embedded systems And IOT"	1-2-2022 to 7-2-2022	Nehru college of Engineering & research centre Pampady, Trissur, Kerala
7	Dr. Amit Gupta	One-week FDP on Emerging technology in communication system	7-3-2022 to 12-3-2022	Calicut University,Kerala
8	Dr. V. Venkatarao	AICTE-ISTE approved Orientation/refresher program on "5G Cognitive communication	17-3-2022 to 22-3-2022	Chaitanya Institute of technology, Hathuhalu, Guntur
9	Dr.K.Raju	40-hour online FDP on "AI for communication and signal processing Applications"	5-2-2022 to 10-2-2022	V R Siddhartha Engg college Vijayawada.
10	Dr. V. Venkatarao	Two-day International Conference(Virtual) IAQRIE'2022 "Innovative mechanisms & standards for Assuring Quality in HEIs"	11-3-2022 & 12-3-2022	IQAC ASC, KL University, Vaddeswaram.
11	Dr. Amit Gupta	Five-Day National Level Workshop on "Revolutionizing Industrial Digital Transformation Through Connected Technologies"	28.2.2022 to 4-3-2022.	Siddhartha Institute of Engineering & Technology (Autonomous), Vijayawada.
12	Dr. Amit Gupta, Professor	One-week online Faculty Development Programme on "Applications of Cognitive Radio Networks"	1-4-2022 to 8-4-2022	KINGS Engineering college Irungattukottai, Chennai-602 117, Tamil Nadu, India
13	Dr. Amit Gupta	One Week Online International FDP on Next Generation Computing : Key Trends, Challenges and Opportunities	18-04-2022 to 23-04-2022	SRM Institute of Science and Technology, Ramapuram
14	B.Sreenidhi	International conference on "Recent advances in Electrical, Electronics &Ingenious Communication and Computational Intelligence"	22-4-22 to 24-4-22	SRMIST, Chennai

Student Focus:

NPTEL Certification Details

S.NO	No. of Students	Course name	Status
1	08	Design of Internet of things	Successfully completed
2	18	Digital Circuits	
3	51	Introduction to IoT	
4	40	Microprocessors and Interfacing	

Training Programmes conducted for students:

S.No	Name of the Program	Dates	Student details
1	CRT (Aptitude, Technical, Reasoning, Programming) Byte XL/Free lancers	3-1-22 to 8-1-22	III-I &IV-1B. Tech ECE 255+ 245
2	TCS Codevita Programming	25-2-22 and 26-2-22	III ECE – 27
3	TCS Codevita Training	2-3-22 3-3-22 4-3-22 5-3-22	III ECE – 27 IIIECE-83 III ECE-81 III ECE-43
4	TCS Codevita Training on Programming concepts	7-3-22	III ECE – 42
5	ByteXL Master Assessment Test	17-3-22	III-ECE-142
6	Aptitude, Reasoning, Programming, ByteXL	21-3-22 23-3-22 25-3-22 26-3-22	III-ECE And II-ECE
7	ByteXL Aptitude, Reasoning, Programming	28-3-22 to 31-3-22	III-ECE and II-ECE
8	Practical Training for IV-ECE, A.HariPrasad and N.Sai	31-3-22	IV-ECE
9	Aptitude, Reasoning, Programming, ByteXL	5-4-22 6-4-22 8-4-22 9-4-22	III-ECE & II-ECE
10	Aptitude, Reasoning, Programming, ByteXL	11-4-22 12-4-22 13-4-22	III-ECE & II-ECE
11	Apptitude, Reasonning, Programming, ByteXL	4-5-22 to 6-5-22	III-ECE
12	Apptitude, Reasonning, Programming, ByteXL	9-5-22 To 14-5-22	III-ECE
13	Aptitude, Reasonning, Programming, ByteXL	16-5-22 to 21-5-22	II-ECE
14	Aptitude, Reasoning, Programming, ByteXL	23-5-22 To 27-5-22	II-ECE III-ECE



CRT (Aptitude, Technical, Reasoning, Programming



Codevita Training



Code vita training



Photos: CRT Training Program by ByteXL



Practical Training for IV-ECE by A. Hari Prasad and N. Sai



CRT Training by ByteXL on 5-4-22

Student Achievements:

S.No	Name of the student Name	Title of the Event	Date(s)	Organizer(s)
1	G.Tarun naga sai	Project expo	8TH April-2022	VVIT, Nambur
2	K.Venkata rao	Project expo	8TH April-2022	VVIT, Nambur
3	D.Anjaneyulu	Project expo	8TH April-2022	VVIT, Nambur
4	Ch.Mani kumar	Project expo	8TH April-2022	VVIT, Nambur
5	B.V.Naga gopi	Project expo	8TH April-2022	VVIT, Nambur
6	A.Rakesh	Project expo	8TH April-2022	VVIT, Nambur
7	Sd.Korishma	Project expo	26TH March 2022	JNTUK, Narasaraopet
8	Sk.Reshma	Project expo	26TH March 2022	JNTUK, Narasaraopet
9	Ch.Amareswari	Project expo	26TH March 2022	JNTUK, Narasaraopet
10	S.S.Tulasi	Project expo	26TH March 2022	JNTUK, Narasaraopet
11	G.Vijaya lakshmi	Project expo	26TH March 2022	JNTUK, Narasaraopet
12	Sk.Saidubabu	Project expo	26TH March 2022	JNTUK, Narasaraopet
13	Ch.Nikhileswari	Project expo	26TH March 2022	JNTUK, Narasaraopet
14	V.Deepthi	Project expo	26TH March 2022	JNTUK, Narasaraopet
15	G.Kavitha	Project expo	26TH March 2022	JNTUK, Narasaraopet
16	P.Sri munideep	Project expo	26TH March 2022	JNTUK, Narasaraopet
17	T.Twinkle	Project expo	26TH March 2022	JNTUK, Narasaraopet
18	Sk.Arshad ali	Project expo	26TH March 2022	JNTUK, Narasaraopet
19	SkShazilibtanu	Project expo	26TH March 2022	JNTUK, Narasaraopet
20	V.Eswar sai kumar	Project expo	26TH March 2022	JNTUK, Narasaraopet
21	G.Rajya lakshmi	Project expo	26TH March 2022	JNTUK, Narasaraopet
22	Ch.Tejasri	Project expo	26TH March 2022	JNTUK, Narasaraopet
23	S.Srilakhmi tulasi	Project expo	26TH March 2022	JNTUK, Narasaraopet
24	M.Sai swetha	Project expo	26TH March 2022	JNTUK, Narasaraopet
25	S.Madhu ramya sai	Project expo	26TH March 2022	JNTUK, Narasaraopet
26	Sk.Mohammad raffi	Project expo	26TH March 2022	JNTUK, Narasaraopet
27	J.Venu gopal	Project expo	26TH March 2022	JNTUK, Narasaraopet
28	A.Rakesh	Project expo	26TH March 2022	JNTUK, Narasaraopet

Academic Toppers



II B.Tech.I Semester-ECE Toppers



III B.Tech.I Semester-ECE Toppers



IV B.Tech.I Semester-ECE Toppers

Alumni Voice:



A. Naga Mallika
Team Lead,
Atos, Chennai

NEC provides young students an opportunity to undergo holistic development. A student excels not only in academics but also at the social and personal front. B.Tech course, an innovation of technologies, prepares students for the demands of a successful professional career, working in the private sector, public sector, family business or becoming an entrepreneur."

The B.Tech course helped us to be prepared to take on newer challenges on a regular basis and adapt according to any given situation. In our roles we do not directly use the technology and management lessons learnt in college, but those have helped us to quickly learn new things which are required to be successful in the corporate environment.

Student's Voice:



D. Ujwala Reddy
21475A0409

Narasaraopet Engineering College is one of most renowned and prestigious institute in this region. It has made astonishing studies in the field of education, particularly higher and professional education. It has extremely dedicated, highly motivated, experienced and qualified faculty members.

It is a privilege to be a part of this institution since it has provided several well-trained Engineers to the fast-growing technical industry. It not only aims for excellent education but also provides a platform for the students to showcase their talents in a variety of fields. This way the students are not only educated but also are competent to face any problem by overall growth to boost up the economy of the country in particular.

To sum up it is a college which makes a student grow emotionally as well as professionally .I am a second year student right now and have not regretted a day in this college and this strengthens my belief that my final year will also be filled up with all new experiences and supports from college mates as well as college faculties.

Department Activities

MOU's Signed:

S.No	Organization Name	Date	Period	Nature of MOU
1	Appleton Innovations Visakhapatnam	15-2-2022	3 years	Industrial Training & Visits, Internship & Placements to students, R&D, Guest Lectures, FDPs, Skill Development

Number of professional development / administrative training programs organized

S.No	Title of the Program	Resource person	Dates conducted
1	Guest lecture on "Digital Transformation Technologies and Opportunities"	Mr. K. Bapiraj, Founder & Director Appleton Innovations Visakhapatnam	15-2-2022
2	Guest lecture on "New trends in VLSI Design	Mr. P.Srinivasulu, Asst.Professor BVC College of Engineering, Rajahmundry	16-2-2022
3	Webinar on Smart Antenna Technologies for Future Wireless Systems: Trends and Challenges Organized by IEEE NEC Wie SB & IQAC	Dr. A.Jhansi Rani, Professor , Department of ECE,V. R. Siddhartha Engineering College, Vijayawada	07-03-2022
4	Alumni interaction with III ECE students about opportunities in VLSI design field	Mr.T.Prudhvi Teja (16471A0402)	9-3-2022
5	Technical Treasure Hunt		12-3-2022
6	Women's day celebrations	Smt. A. Sheela Rani Additional senior civil judge Narasaraopet, Women Empowerment Cell	8-3-2022
7	Awareness program on how to get higher package jobs in corporates	Mukkia RajKumar, Category Lead-campus partnership, Unstop(wty, Bangalore	15-3-2022
8	Seminar on IEEE Membership benefits	Dr. T. S. N. Murthy, Assistant Professor, Department of ECE, JNTU College of Engineering, Vizianagaram.	22-3-2022
9	Seminar on Benefits of IEEE Young professional membership and importance of WIE for Women Engineer	Dr. N. Usha Rani, Professor, Department of ECE,VFSTR, Vadlamudi	22-3-2022
10	Seminar on How to crack GATE and be successful in life	Dr. M. Venu Gopala Rao, Professor, Department of ECE, KLEF, Vaddeswaram	22-3-2022
11	Alumni interaction with III-ECE (opportunities in Software Industry)	Mr. J. Rajkumar (16471A0417), TCS	12-4-22
12	Alumni Interaction with II-ECE about Opportunities in Full stack developing	G. Naga Vamsidhar Reddy(15471A0426) Full stack developer, L & T, Hyderabad	23-4-2022
13	Alumni interaction with II-ECE about opportunities in Software Testing Tools	Ms. P.Preethi Kowsalya, 17471A0405, DXC Technology, Hyderabad	30-4-22
14	**Jubilation-2K22** Event-1 Project Expo Event-2 Technical Paper Presentations Event-3 Technical Quiz 20-Teams	Dr.J.Bramaiah Naik KHIT,Guntur	7-5-2022
14	Freshers day celebrations 2K22	Dr. Ch. Srinivasa Rao, Principal University College of Engineering JNTUK, Narasaraopet.	19-5-22
15	Fare well day celebrations 2K22	Dr. Ch. Srinivasa Rao, Principal University College of Engineering, JNTUK, Narasaraopet.	21-5-22
16	Interaction program on SPAM Analysis	Alumni P. Bhavani Siva Ganesh (15475A0420) SPAM Analyst, PACTERA EDGE	27-5-22
17	Interaction program on APP Development by Alumni	Akunuri Bala karunasri (15471A0468) Application development Associate, Accenture	27-5-22
18	9th International Conference - Advances in Signal Processing and Communications-2K22 NEC-ICASPC-2K22 will be organized by Electronics and Communication Engineering Department on 1st and 2nd July 2022.	The conference poster is released by Hon'ble Chairman Sri M. V. Koteswara Rao, Principal & Vice Principal	26-5-22

Alumni interaction with III ECE students about opportunities in VLSI design field:





Codevita Training



Women's day celebrations



Seminar on IEEE Membership benefits by Dr. T. S. N. Murthy, Assistant Professor, Department of ECE, JNTU College of Engineering, Vizianagaram.



Seminar on Benefits of IEEE Young professional membership and importance of WIE for Women Engineer by Dr. N. Usha Rani, Professor, Department of ECE, VFSTR, Vadlamudi



Jubilation-2K22 Inauguration



Guest lecture on "Digital Transformation Technologies and Opportunities"



Merit certificates Distributed by Principal Dr. M. Sreenivasa Kumar



Guest lecture on "New trends in VLSI Design"



Fare well day celebrations 2K22



Webinar on Smart Antenna Technologies for Future Wireless Systems: Trends and Challenges



International Conference poster is released by Hon'ble Chairman Sri M. V. Koteswara Rao, Principal & Vice Principal

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Innovation is our tradition

Vision

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

Mission

The Department of Computer Science and Engineering is committed:

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

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

Inculcate teamwork and lifelong learning among students with a sense of societal and ethical responsibilities.

Robotic Process Automation and Artificial Intelligence

Taking into account the technological evolution of the last decades and the proliferation of information systems in society, today we see the vast majority of services provided by companies and institutions as digital services. Industry 4.0 is the fourth industrial revolution where technologies and automation are asserting themselves as major changes. Robotic Process Automation (RPA) has numerous advantages in terms of automating organizational and business processes. Allied to these advantages, the complementary use of Artificial Intelligence (AI) algorithms and techniques allows to improve the accuracy and execution of RPA processes in the extraction of information, in the recognition, classification, forecasting and optimization of processes. In this context, this paper aims to present a study of the RPA tools associated with AI that can contribute to the improvement of the organizational processes associated with Industry 4.0. It appears that the RPA tools enhance their functionality with the objectives of AI being extended with the use of Artificial Neural Network algorithms, Text Mining techniques and Natural Language Processing techniques for the extraction of information and consequent process of optimization and of forecasting scenarios in improving the operational and business processes of organizations.

Robotic Process Automation

Robotic Process Automation (RPA) is the automation of services tasks that reproduce the work that humans do. The automation is done with the help of software robots or AI workers that are able to perform, accurately, repetitive tasks. The task instructions are set by the developer using some form of screen recording and defining variables. These tasks include actions like logging into applications, copying and pasting data, opening emails, filling forms, among others. Van der Aalst et al. state that "RPA is an umbrella term for tools that operate on the user interface of other computer systems". Although traditional forms of process automation (like screen recording, scraping and macros) also rely on the computer's user interface, RPA's core function is via element identification and not by screen coordinates or XPath selections. This, in most cases, provides a more intelligent interaction with the user interface. Commercial vendors of RPA tools report a surge in demand since 2016, and we see some research where these tools are used for automating digital forensics, auditing and industry. The advent of the fourth industrial revolution is paving the way for new ways to automate mundane rules-based business processes, using RPA tools on information obtained from smart devices . For business processes, RPA is the extrapolation of a human worker's repetitive tasks by a robot (where those tasks are done quickly and profitably). This aims to replace people by automation in an outside-in manner. Unlike traditional methods, RPA is not part of the information infrastructure but rather sits on top of it, implying a low level of intrusiveness possibly reducing costs. Some reports present a 30% to 50% decrease in operational costs of transactional activities within shared services with the use of RPA technologies.

Artificial Intelligence

At one time AI was a concept divided into major fields of application. Some of those fields where natural language processing, automatic programming, robotics, computer vision, automatic theorem proving, intelligent data retrieval, etc. Nowadays these application areas are so extensive that each could be considered a field in and of itself. AI is now best described as a group of core ideas that underline many of these applications. The use of AI by machines to complete complex tasks, reduce costs and improve the quality of goods and services is the core principle of smart factories. AI technologies are permeating the manufacturing industry and merging the physical and virtual worlds with the help of cyber-physical systems. The use of AI makes the manufacturing industry smart and capable of addressing modern challenges like customizable requirements, reduced time to reach the market and increasing number of sensors used in equipment. The use of flexible robots combined with AI allows for easier manufacturing of different products. AI methods (like data mining) are capable of analyzing large volumes of real- time data gathered from various sensors.

Smart India Hackathon-2022

Students of Dept. of CSE Participated in Internal Smart India Hackathon -2022 Conducted on 14 & 15 March 2022.



Internal Hackathon CSE students participation



Internal Hackathon in Main Seminar Hall



AWS Work Shop Training Programme conducted for 250 students from 14th - 26th March, 2022



Aws Work Shop



Alumni Student Interaction



Alumni Student Interaction

APSSDC-DATA SCIENCE INTERNATIONAL INTERNSHIP PROGRAM

Training Programmes conducted for students IV-II regarding Higher Education.





Interaction with Students



IELTs Guru Trainers



CSE ASST.PROF RATIFICATION conducted by JNTUK Professor & Team on 23.03.2022





Guest Lecture given by the following faculty on 23.03.2022
- Dr.G.Siva Nageswar Rao (KLU CSE DEPARTMENT)
- Dr.P.Pavan Kumar(PVP IT DEPARTMENT)





Technical Python (TECH HUB) conducted for 150 Students of III Year II Sem on 28-03-2022

IBM ACADEMIC INITIATIVE AGREEMENT Dr.MANI MADHUKAR, ProgrameManager, Global University Programs, IBM Resarch



The Narasaraopet Engineering College in association with Indo-Euro Synchronization ARC conducting Data Science Intern-Ship Program (3 months) in Hybrid blended mode from 15-03-2022 onwards empowered by APSSDC .





International Conference on
Artificial Intelligence and Its Emerging Areas
NEC-ICAIEA-2K22
03rd & 04th June, 2022



NEC-ICAIEA – 2K22 Brochure Release





Dept. of CSE conducted Jubilation-2022 A National Level Student Tech fest on May-07-2022.





Conducting Department Technical event

Farewell Party

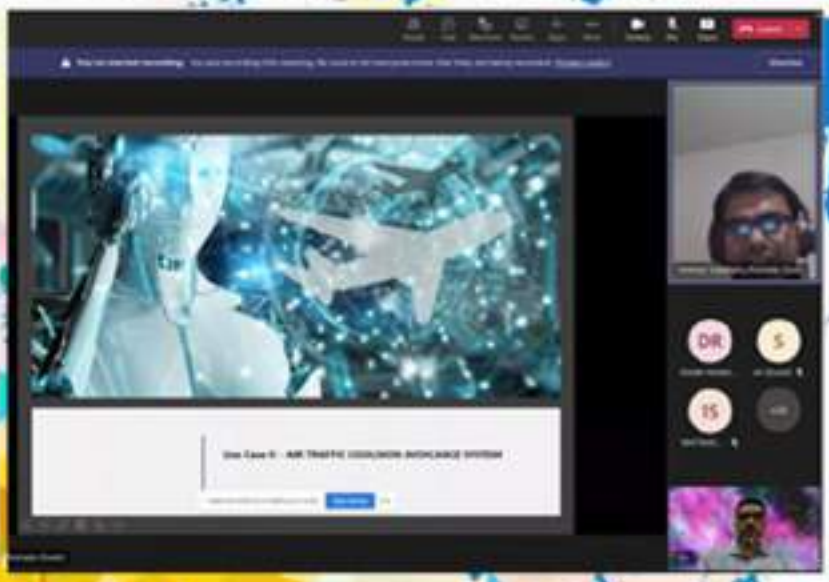




Farewell Day Celebrations on 24.05.2022 conducted by III CSE students for IV CSE Students.

INTERNATIONAL CONFERENCE 2K22









A INTERNATIONAL CONFERENCE on ARTIFICIAL INTELLIGENCE AND ITS EMERGING AREAS on 03.06.2022 and 04.06.2022

Student Focus





Training Programmes conducted for 230 students of II Year by ByteXL Training on 11-04-22 To 13-04-22



Training Programmes conducted for students of III & II CSE II semester from 24.05.22 to 28.05.22.

Toppers List Academic year 2021-22





Toppers List Academic year 2021-22





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, class rooms, 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.



Chandra Sekhar. V
(01471A0504)
Data Engineer
Expedia,
Gurgaon, New Delhi

STUDENT VOICE

Narasaraopeta Engineering College is one of the prestigious and renowned insititute in this region.It is a privilege to be a part of this insititue to be a part.
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, assessment and management of learning, regular and reliable feedback on student progress and achievements.



Y.Geethika
(20471A05C6)
CSE II Year, NEC

New Trends in Technology

How Geology is related to Medical Science?

The relation between adverse health effects and heavy metals is well known. An intimate relationship between geology and human/animal health has been established giving rise to the term Medical Geology. Three different terminologies appear – Medical Geology, Geomedicine and Geophagy. All of them deal with disease, medicine and geology. Medical Geology deals with the geologic factors that have a bearing on human, animal and plant health. It is the scientific discipline that examines the impacts that geologic materials and processes have on human and ecosystem health. The modern version of Medical Geology brings together geoscientists and bioscientists to address a range of environmental health problems. Since Medical Geology deals with the cause of imbalance between chemical elements and the body, it has enormous scope from human cell level to extra planetary distribution of toxic elements. The earth surface is composed of rocks and soil, both enriched in natural chemical elements. Proper anatomical and physiological balance of these elements in human body ensures human health. Elements in periodic table can be classified as major, minor and trace elements according to their requirement by human body and impact on human health. The four major elements are H (Hydrogen), C (Carbon), N (Nitrogen) and O (Oxygen). Sodium, Magnesium, Calcium, Potassium, Phosphorus, Sulphur and Chlorine are the seven minor elements. Apart from these, 14 trace and 4 toxic elements are also regarded important from Medical Geological point of view. Based on geological formation some regions of earth surface may be naturally rich in certain chemical elements while some others may be deficient. Depending upon their quantity these elements either act as a medicine or as an aetiological factor in living organism. The excess or shortage of medical geological elements effect human health through various pathways.

Faculty Focus

1. Dr. K. Ponnari Lakshmi, Professor and H.O.D. of B.S.&H. participated in the one-day workshop on Ethic some values to be followed in cross cultural work place organized by Aditya Institute of Technology and Management on 29th January 2022.

2. Dr. K. Ponnari Lakshmi, Professor and H.O.D. of B.S.&H. participated in a webinar on Intellectual property rights and its protection organized by Institution Innovation Council (IIC H.O.) N.E.C. on 14th Feb. 2022.

3. Dr. K. Ponnari Lakshmi, Professor and H.O.D. of B.S.&H., participated in the Faculty Development programme "How to develop and publish quality research paper in impact journals", held from 15th Feb. 2022 to 19th Feb. 2022 conducted by Vincent Pallotti college, Raipur (C.G)

4. Dr. K. Ponnari Lakshmi, Professor and H.O.D. of B.S.&H. acted as a session chair in the International conference on Multidisciplinary Research in Sciences & Humanities (ICMRSH-2022) held during 17th and 18th February 2022, conducted by VVIT Guntur.

5. Mrs. V. Aruna, Asst.Professor attended an online workshop on some Basic Elements of Developing Academic writing skills organized by English Language Teachers Interaction Forum on 5-2-2022.

6. Mrs. V. Aruna, Asst.Professor participated in the Seven Day online workshop on the assessment criteria for NAAC Accreditation from 21-02-2022 to 28-02-2022 organized by Aditya Institute of Technology and Management Tekkali, Srikakulam (Dt.)

7. Mrs. V. Aruna, Asst.Professor participated in the International FDP on "Impact of pandemic literatrure and contemporary Canadian Poetry organized Wellta international world English language Learners, Teachers and Trainers Association held on 28-01-2022.

8. Mrs. V. Aruna, Asst.Professor participated in the International FDP on "The Nexus of Life through poetry in Contemporary world literature" organized Wellta international world English language Learners, Teachers and Trainers Association held on 01-02-2022.

9. Mrs. V. Aruna, Asst.Professor participated in the International FDP on "Element of subjectivity in R.K. Narayan short stories A critical Appraisal" organized by by Wellta Internationnal Wprld English Languagee Learners Teachers, and Trainers Association held on 06-02-2022.

10. Mrs. V. Aruna, Asst.Professor attended an online lecture on "Bending the Rules in Academic Writing: The curious Struggle of the PhD Thesis in South Asia on ELT organized by English Language Studies in South Asia (ELSSA), in collaboration with English Language Teachers' Interaction on 19th Feb. 2022.

11. Mrs. V. Aruna, Asst.Professor participated in the International FDP on "Types of E-Resources and it utilization in library and public speaking "organized by Wellta International World English Language Learners Teachers, and Trainers Association held on 27-02-2022.

12. Mrs. V. Aruna, Asst.Professor participated in a webinar on Ushering Shakunthala into the Modern World organized by ELTAI Chennai on 27th feb 2022.

13. Mrs. V. Aruna, Asst.Professor participated in the International FDP on "Acquisition and Learning by Prof.Moses Jayakumar & The Ways and Means write Publish and patent by Dr. Harishchander Anandram", organized by Wellta International World English Languagee Learners Teachers, and Trainers Association held on 03-03-2022.

14. Mr. B. Vemaiah, Asst. Professor of English participated in the Seven Day online workshop on the Assessment criteria for NAAC Accreditation from 21-02-2022 to 28-02-2022 organized by S.K.B. R. Govt. Degree College, Macherla.

15. 15.Mr. B. Vemaiah, Asst. Professor of English participated in the FDP on "How to develop and publish quality research paper in high impact journals" organized by St. Vincent Pallotti College, Raipur (C.G.) from 15th Feb 2022 to 19th Feb.2022.

16. Mr. B. Vemaiah, Asst. Professor of English participated in the FDP on "Innovative Approaches for outcome based teaching, learning in higher education" from 21-02-2022 to 27-02-2022 organised by Ajeenkya D Y Patil University.

17. Mr. B. Vemaiah, Asst. Professor of English participated in one-Day E-National workshop on development and validation of Research tool" organized by Dept. of Education, Mandsaur University on 15th February 2022.

18. Dr. Sk. Mohiddin Shaw, Professor of Mathematics presented the research work entitle "w-FILTERS OF ALMOST DISTRIBUTIVE LATTICES" in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

19. Dr. Sk. Mohiddin Shaw, Professor of Mathematics acted as a Session Chair in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

20. Dr.G.Dharmaiah , Associate .Professor of Mathematics presented the research work entitled "Chemical Reaction and Double Stratification influence on mhd stagnation point slip flow over a pernameable shrinking surface in a porous medium "in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

21. Dr.G.Dharmaiah , Associate .Professor of Mathematics presented the research work entitled "Radiation and Slip velocity effects on MHD Dissipative Jeffrey flim flow over unsteady stretching sheet" in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

22. Dr.G.Dharmaiah , Associate .Professor of Mathematics participated in National level lecture series on "NUMUROUS APPLICATION OF NUMBER THEORY AND ALZEBRA -2022"organized by G H Raisoni College of Engineering from 21st and 22nd jan 2022.

23. Dr.G.Dharmaiah , Associate .Professor of Mathematics participated in a Webinar on INTELLECTUAL PROPERTY RIGHTS AND ITS PROTECTION organized by Narasaraopeta Engineering College ,Narasaraopet on 14th feb 2022.

24. Dr.G.Dharmaiah , Associate .Professor of Mathematics participated in Seven day ONLINE WORK SHOP on the 7 ASSESSMENT CRITERIA FOR NACC ACCREDITATION from 21th to 28th feb 2022 organized by S. K.B.R.Government degree college, Macharla.

25. Dr.G.Dharmaiah , Associate .Professor of Mathematics participated in two day international conference (Virtual)on "Innovative Mechanisms and standard for assuring quality in HEI's" on 11th and 12th march 2022 organized by Koneru lakshmaiah education foundation .

26. Dr.G.Dharmaiah , Associate .Professor of Mathematics attended a online workshop on "LET There Be Language ! Teachers and Language Teaching Materials" organized by English Language Teachers Interaction forum on 19th march 2022.

27. Dr.G.Dharmaiah , Associate .Professor of Mathematics participated in International faculty development programmee on DATA ANALATICS and MEACHINE LEARNING held during 21st to 25th March 2022 organized by Mizoram University.

28. Dr.G.Dharmaiah , Associate .Professor of Mathematics participated in the five days faculty development programmee on "APPLICATION OF ARTIFICIAL INTELLIGENCE ON VLSI AND COMMUNICATION TECHNOLOGY "held from 7-03-2022 to 11-03-2022 organized by Swami Keshavanandh Institute of Technolcgy, Management & Gramothan, Jaipur.

29. Dr.G.Dharmaiah , Associate .Professor of Mathematics became a member of the institute for Engineering research and publications from 27th May to 31st December 2022.

30. Dr.N.Ravi Babu , Assist .Professor of Mathematics presented the research work entitled "SOFT SEMI 2-ABSORBING IDEALS OF SOFT SO-RINGS" in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

31. Dr.C.H.Maheswari, Assit.Professor of Mathematics presented the research work entitled "Weakly SOFT 2-ABSORBING IDEALS OF SOFT SO-RINGS" in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

32. Dr.C.H.Maheswari ,Assit.Professor of Mathematics participated a webinar on Intellectual property rights and its protection , organized by Narasaraopet Engineering College , Narasaraopet on 14th feb 2022.

33. Dr.C.H.Maheswari ,Assit.Professor of Mathematics participated in International Symposium on Mathematical Sciences and their applications MSATA-2022 on 28th to 29th jan 2022 organized by Yogi Vemana University Kadapa.

34. Dr.C.H.Maheswari ,Assit.Professor of Mathematics participated in one day international virtual conference on "RESEARCH MEATHODOLOGIES OF CONTEMPORARY TIMES : EXPLORING ENGLISH LANGUAGE, LITERATURE AND TEACHING" organized by S.R.R. &C.V.R. Government degree college , Vijayawada on 5tht feb2022.

35. Dr.R.Mchana Ramana , Associate. Professor of Mathematics presented the research work entitled " CHEMICAL REACTION AND DOUBLE STRATIFICATION INFLUENCE ON MHD STAGNATION POINT SLIP FLOW OVER A PERMIABLE SSHRINKING SURFACE IN A POROUS MEDIUM " in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

36. Dr.R.Mchana Ramana , Associate. Professor of Mathematics presented the research work entitled "POTENTIAL AND SLIP VELOCITY EFFECTS ON MHD DISIPATED JEFFEREY FLUID FLIM FLOW OVER UNSTEADY STREACHING SHEETS" in the International conference on multi disciplinary research in Sciences and Humanities (ICMRSH-2022) held during 17th and 18th feb 2022 organized by Vasireddy Venkatadri Institute of technology.

37. Dr. K. Srinivasulu, Associate Professor of Environmental Sciences, participated in one day International virtual conference on research methodologies of contemporary times: Exploring English Language, literature and teaching , organized by S.R.R. &C.V.R. Government college ,Vijayawada, Andhra Pradesh on 5-02-2022.

38. Dr. K. Srinivasulu, Associate Professor of Environmental Sciences, participated in the seven day online workshop on "THE 7 ASSEMENT CRITERIA FOR NAAC ACCREDIATATION" from 21-02-2022 to 28-02-2022.

39. Dr.P.N.V.V.L.Pramila Rani , Asst. Professor of chemistry has been awarded the best poster in the 2nd INUP-i2i familiarization workshop on Namo &bio materials and devices held at center for nanotechnology, IIT Guwahali during 1st march 2022. To 3rd March 2022.

40. Dr. Y.Lakshman Kumar , Asst. Professor of chemistry, participated in the seven day online workshop on "THE 7 ASSEMENT CRITERIA FOR NAAC ACCREDIATATION" from 21-02-2022 to 28-02-2022.

41. Mr.M.Prasad ,Asst. Professor of Mathematics, presented the research work entitled "EFFECTS OF CHEMICAL REACTION AND VISCOUS DISSIPATION OVER A MHD FLOW IN VERTICAL POROUS WALL USING PERTUBATION METHOD" in the International conference on Multidisciplinary Research in sciences & humanities (ICMRSH - 2022) held during 17th and 18th February 2022.

42. Mrs.Aprna ananthu , Asst.Professor of Mathematics presented a research work entitled "Perturbation analysis of transient slip flow and heat transfer of casson fluid with hall current" in the International conference on Multidisciplinary Research in sciences & humanities (ICMRSH - 2022) held during 17th and 18th February 2022.

43. Miss.Syed Roshini Bhanu, Asst. Professor of mathematics presented a research work entitled "Perturbation analysis of transient slip flow and heat transfer of casson fluid with hall current" in the International conference on Multidisciplinary Research in sciences & humanities (ICMRSH - 2022) held during 17th and 18th February 2022.

44. Miss. B. Swapna, Asst. Professor of mathematics presented a research work entitled "Perturbation analysis of transient slip flow and heat transfer of casson fluid with hall current" in the International conference on Multidisciplinary Research in sciences & humanities (ICMRSH - 2022) held during 17th and 18th February 2022.

DEPARTMENT OF MBA

Manager - He, who do things right

Vision

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

Mission

To impart and nurture managerial and entrepreneurial skills in the students

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

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

New Trend in Business

Business analytics refers to the skills, technologies, 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

Y.Suresh,Sk.Kareem Bahsa, S. Salma & T.L.Sravani Kumari participated Two day International Conference(Virtual) IAQHEI'2022 on "Innovative mechanisms & standards for Assuring Quality in HEIs" Organized by IQAC & ASC ,KL Deemed to be University. On 11th & 12th March-2022.

Sk.Kareem Bahsa & T.L Sravani Kumari, Asst.Professor Participated 2-Days national Conferrence on " Innovative Mechanism &standards for aasuring quality in HEI" by IQAC ,KLEF on 11&12

Dr.P.Pattabhi Ram, Assoc.Professor and I.Sridhar, Assoc.Professor, published a paper on "A Study on Business Intelligence on fraud Detection in retail Banking Productst", ICSSR Sponsored Two-Day National seminar on Social Innovation & Entrepreneurship in India. Organized by Department of Commerce & Management, K.B.N. College (Autonomous), Vijayawada, vol-III, ISBN: 978-81-947453-1-0, on 25th & 26th Feb-2022.

Y.Suresh, Asst.Professor, published a paper on "Entrepreneurial Skill Development", ICSSR Sponsored Two-Day National seminar on Social Innovation & Entrepreneurship in India. Organized by Department of Commerce & Management, K.B.N. College (Autonomous), Vijayawada, vol-III, ISBN: 978-81-947453-1-0, on 25th & 26th Feb-2022.

Sd.Salma, Asst.Professor, published a paper on "Skill Development & Business Education", ICSSR Sponsored Two-Day National seminar on Social Innovation & Entrepreneurship in India. Organized by Department of Commerce & Management, K.B.N. College (Autonomous), Vijayawada, vol-IV, ISBN: 978-81-947453-1-0, on 25th & 26th Feb-2022.

Y.Suresh & Sk.Kareem Bahsa, Asst.Professors, published a paper on Impact of Covid-19 on Education in Guntur District,A.P National Journal, ISSN No:2321-6964

S. Salma & T.L.Sravani Kumari, Asst.Professors, published a paper on Impact of Covid-19 on Human Resource Management with reference to Work-Life Balance Naional Journal, ISSN No: 2321-6964.

Sk.Kareem Bahsa & T.L.Sravani Kumari, Asst.Professor, Participated 2-Day National workshop on "IP maxima ,IPR awareness for maxima" organized by innovative technology technology enabling centre &CSIR-Institute of Minerals and Materials Technology, Bhubaneswar during January 7-8, 2022.

Our Dept. of MBA organized National Level Management Prasthan 2K22 on 07-05-2022, in that program conducted various events B-Quiz and Young Mangers and finally distributed certificates for winners by guest.





Our 2nd year MBA students celebrated fresher's day for 2021 batch those who got opportunity for MBA admission and 1st year MBA students celebrated farewell for 2nd year MBA students on 02-06-2022.

Student Focus

The following students are academic toppers in their respective classes of IV Sem with GPA 9.14.



B.Durga
20471E0006



D.S.L.Tejaswini
20471E0016



H.L.Triveni
20471E0024



M.Susmitha
20471E0044

I Year MBA students are participated in techno management fest 2k22 at Kallam Haranadhareddy Institute of Technology,guntur,on 22-04-2022.They got 1st prize.



Placements

20 students of MBA got opportunities in various companies Like ICICI and Cogent in MAY-2022.

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)
IDFC Bank Manager Narasaraopeta

Student's Voice



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

D.Lakshmi Tejaswini
MBA IVSem
H.T.no:20471E0016

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Technology is teaching us to be human again

Vision

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

Mission

Import the knowledge of modern s/w tools to meet the challenges in current day competition.

Imparting employability skills in students.

Encourage research activities among students and staff.

New Trends in Technology

5G NETWORKS

The advent of 5G is one of the most enigmatic new upcoming technologies that can impact businesses in 2020. Many industry experts have termed 5G as the future of communication.5G wireless networks will support 1,000-fold gains in capacity, connections for at least 100 billion devices and a 10 Gb/s individual user experience of extremely low latency and response times.

DISTRIBUTED CLOUD

The trends of cloud storage and cloud computing are already embraced by the industries across the globe and the next big thing that is going to hit the tech ecosystem is the distributed cloud system. Distributed Cloud helps in connecting the public cloud distributed operation of cloud services to specific locations.

BLOCKCHAIN

A blockchain is a decentralized, distributed, and oftentimes public, digital ledger that is used to record transactions across many computers so that any involved record cannot be altered retroactively, without the alteration of all subsequent blocks. This allows the participants to verify and audit transactions independently and relatively inexpensively.

ARTIFICIAL INTELLIGENCE

Artificial intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans.

VIRTUAL REALITY

Virtual reality (VR) is a simulated experience that can be similar to or completely different from the real world. Applications of virtual reality can include entertainment (i.e. video games) and educational purposes (i.e. medical or military training). Other, distinct types of VR style technology include augmented reality and mixed reality.

AUGMENTED REALITY

Augmented reality (AR) is an interactive experience of a real-world environment where the objects that reside in the real world are enhanced by computer-generated perceptual information, sometimes across multiple sensory modalities, including visual, auditory, haptic, somatosensory and olfactory.

MIXED REALITY

Mixed reality (MR) is the merging of real and virtual worlds to produce new environments and visualizations, where physical and digital objects co-exist and interact in real time. Mixed reality does not exclusively take place in either the physical or virtual world, but is a hybrid of reality and virtual reality, encompassing both augmented reality and augmented virtuality via immersive technology.

Serverless Computing

Serverless computing, or Function as a Service (FaaS), allows companies to build applications that scale in real time so that they can respond to demand that can change instantly depending on orders of magnitude. FaaS offers a consumption-based platform so that developers can quickly and cost effectively deploy applications.

STUDENT FOCUS

59 members of I MCA I Semester students attended a Two week workshop on "Python Programming" in online organized by Narasaraopeta engineering college in association with APSSDC from 21-03-2022 to 01-04-2022.



A Two week workshop on "Python Programming"

6 members of II MCA IV Semester students completed NPTEL Course on "Social Networks".

1 member of II MCA IV Semester student completed NPTEL Course on "Ethical Hacking".

S. No.	Roll No.	Name of the Student	NPTEL Course Completed
1	20471F007	CH RAVI CHAND	SOCIAL NETWORKS
2	20471F0010	DL TIRUPATHAMMA	SOCIAL NETWORKS
3	20471F0018	G SURESH	SOCIAL NETWORKS
4	20471F0020	K VENKATESWARLU	SOCIAL NETWORKS
5	20471F0030	K PAVAN KALYAN	SOCIAL NETWORKS

TOPPERS OF II MCA III SEMESTER



ALUMINI VOICE

The management of NEC provided not only peaceful college environment but also library and internet facilities to its students which helped me not to explore new things but also upgrade my skills. I always grateful to the management.



G.A. SAI RAMYA
Alumni

STUDENT VOICE

I am very proud to be a part of this department. The technical activities conducted by the department are not only interesting but also enhance my technical and programming skills.



TRAINING AND PLACEMENT CELL

We Train, You Excell

Vision

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

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

Mission

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

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

Training at NEC

S.NO	COMPANY NAME	DRIVE DATE	NEC	SALARY
1	ICICI BANK	03-Jan-22	10	350000
2	Turing Minds	16-Jan-22	15	620000
3	Snithik Technologies	21-Jan-22	8	300000
4	Infosys (SE)	23-Jan-22	53	360000
5	Tiger Analytics	23-Jan-22	3	650000
6	Tech Mahindra	16-Feb-22	2	325000
7	WIPRO	22-Feb-22	218	350000
8	NAGARRO	01-Mar-22	2	450000
9	BYJUS	12-Mar-22	1	1000000
10	CES LTD	19-Mar-22	3	360000
11	HYUNDAI MOBIS	20-Mar-22	7	370000
12	TA Digital	31-Mar-22	2	570000
13	INFINITE COMPUTER SOLUTIONS	27-Apr-22	2	450000
14	First American India	13-May-22	3	440000
15	COGENT E-SERVICES	23-May-22	42	21000
16	SAVANTIS	04-06-2022	70	220000



ECE Students Selected in various
Top Multinational Companies (MNC)



CSE Students Selected in various
Top Multinational Companies (MNC)



Civil Engineering Students Selected in various
Top Multinational Companies (MNC)



EEE Students Selected in various
Top Multinational Companies (MNC)

NSS ACTIVITIES




Essay Writing Competition on the topic "STRONGER YOUTH – STRONGER INDIA"
on the eve of Swami Vivekananda Jayanti on 10-01-2022




Blood Grouping Test Program to 1st year students in co-ordination with NRT Blood Bank,
Narasaraopet on 19-01-2022





Hon'ble Principal Dr.M.Sreenivasa Kumar addressing the students about the importance of
National Voters Day on 25-01-2022 in campus premises

College Events



Republic Day Celebrations @ NEC on 26.01.2022



NSS ACTIVITIES




Hon'ble Principal Dr.M.Sreenivasa Kumar active participation in Plantation Program
on 19-02-2022 in campus premises




Hon'ble Principal Dr.M.Sreenivasa Kumar active participation in Plantation Program
on 19-02-2022 in campus premises




Swacha Bharat Program by IV year Mechanical studenets
on 20-02-2022 in campus premises

NSS ACTIVITIES






Sri.Ch.Vineela Garu, Excise Sub-Inspector, Narasaraopet, addressing the students about the awareness on Anti-Drugs Abuse Act on 10-04-2021.




Hon'ble Principal Dr.M.Sreenivasa Kumar explaining the various measures to 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



WORLD WATER DAY

22nd March

NSS ACTIVITIES





Sri.Sk.Mohaboob Subhani Garu, II Class Judicial Majistrate, Narasaraopet & Hon'ble Principal Dr.M.V.Sreenivasa Kumar addressing the students about Anti Drugs Abuse Act and taking preventive measures againt drugs usage on 12-04-2022 in campus premises.





Dr. M. Naga Priya, SPS, Endocrine Hospital, Narasaraopet explaining the consequences of Drugs Usage on health in the session



NSS ACTIVITIES





Protect Ecological Balance

NSS volunteers active participation in CLEAN AND GREEN PROGRAM at CHAGANTIVARIPALEM village on 20-04-2022





NSS volunteers active participation in CLEAN AND GREEN PROGRAM at GURAVAYA PALEM village on 21-04-2022







Go Green

To keep it clean





DEPARTMENT OF PHYSICAL EDUCATION





U.Ramu (19475A0376) of Mechanical Department Selected for Kho-Kho on 04-03-2022
conducted by University College of Engineering, Kakinada (A), JNTUK



NEC Cricket Team Played in SPL on 18 to 24 March, 2022
conducted by KKR & KSR Institute of Technology & Sciences got Runners

NBA TEAM VISIT



NBA TEAM Visited NEC on 7.01.2022 to 09.01.22



సంక్రాంతి సంబరాలు – 2022









Sankranthi Sambaralu
11-01-2022



College Events



National Voters Day conducted 25.01.2022




Bio gas plant installed 02.02.2022



MOU signed between DOCTORITE INC and NEC 11.02.2022



MOU Signed between Digital Transformation and Technologies with NEC 15.02.2022



National Science Day National science day 28.02.2022




Webinar given by Dr.M.Sreenivasa Kumar 28.02.2022



International Women's Day













International Women's Day @ NEC on 08.03.2022

College Events

JUBILATION 2K22









Date 7.05.2022







FRESHERS 2022 BATCH





19.05.2022











College Events



Anti-Drugs awareness programmee 12.04.2022



TOP Achievers award by HCL
02.05.2022



Police officers campaign conducted
on awareness of DISHA App
21.05.2022





One week Yoga classes on the occasion of International Yoga Day conducted
in association with Venkateswara Yoga kendram 17.06.2022



UI Path Academic Alliance Collaboration with NEC 22.06.2022