

NEWS LETTER **ELECTRA**

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Department of EEE
ELECTRA

DO RIGHT, SAVE LIGHT
JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1

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Vision

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

Mission

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

New Trends

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.

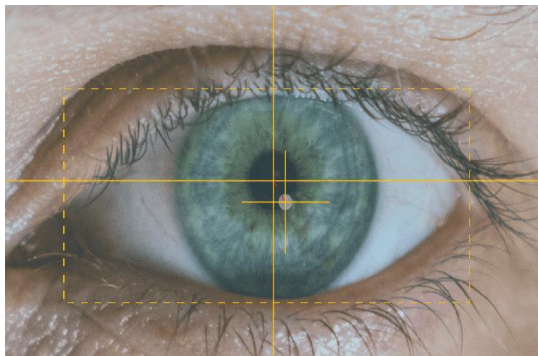
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Department of EEE

ELECTRA

DO RIGHT, SAVE LIGHT
JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1



- ❖ 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.

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Department of EEE

ELECTRA

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JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1

- ❖ **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 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 Gudlavaluru Engineering College, Gudlavaluru.
- ❖ **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 Gudlavaluru Engineering College, Gudlavaluru.
- ❖ **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.

Department of EEE

ELECTRA

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JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1

- ❖ Mrs.P.Bramaramba vathi 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 a one week short term training programme through ICT mode on “Assessment and Evaluation” organized by National Institute of Technical and Research (NITTTR),Kolkata, during 13-06-2022 to 17-06-2022.

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.



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JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1

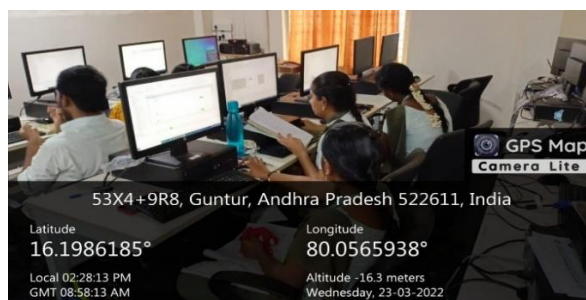


Practical Training Program

- ❖ 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.



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



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



Student Focus

MOOCS:-

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

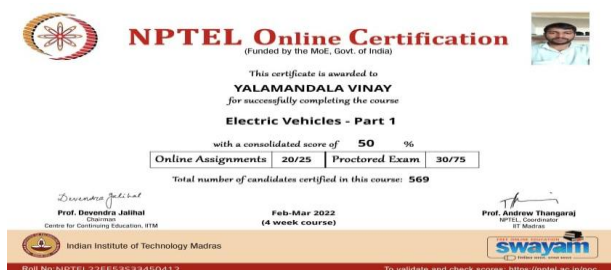


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Department of EEE
ELECTRA

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 JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1



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.

23 ANDHRA BATTALION NCC

- ❖ **P.GOPI CHAND, I EEE** Attended Annual Training Camp-IV at VRS & YRN COLLEGE, CHIRALA during 15-06-2022 to 24-06-2022.

Academic Toppers:-

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

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING I B.Tech. I Semester EEE Toppers List (2021 Batch)					
					
V. TRIVENI 21471A0230 8.54	V. SRUTHI 21471A0228 8.31	K. VINAY 21471A0210 8.15	SK. SHAJID 21471A0222 8.08	T.V.S.S.N.ASHOK 21471A0226 8.08	
					
Y. SIREESHA 21471A0232 8.00	K. GAYATHRI 21471A0211 7.92	K. KOTESWARA RAO 21471A0209 7.77	Y. AKSHITHA 21471A0231 7.54	Y.M.D.PRASAD 21471A0202 7.46	

I – B.Tech I -- SEM

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Department of EEE

ELECTRA

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JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1



II – B.Tech I – SEM



III – B.Tech I – SEM



IV – B.Tech I – SEM

Industrial Visits:-

- ❖ As a part of Academics Students are required to Visit Industries in order to get the practical knowledge and industrial exposure.
- ❖ The I B.Tech students Visit Mittapalli Spinners Limited, Narasaraopeta on 24-06-2022.

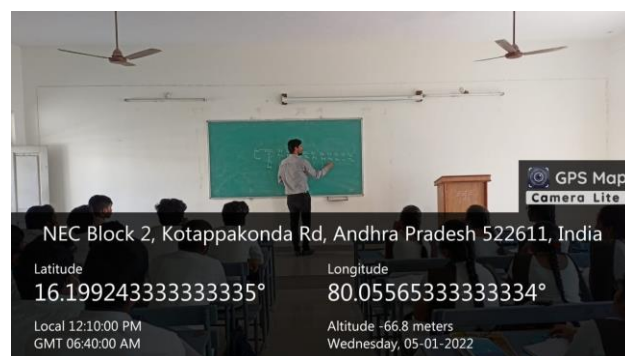


Placements:-

40 Students are placed in different MNCs in Campus Placement Drive in College with an 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.

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Department of EEE
ELECTRA

DO RIGHT, SAVE LIGHT
 JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1



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



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



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



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ELECTRA

DO RIGHT, SAVE LIGHT
JANUARY-2022 TO JUNE-2022

VOLUME-6, ISSUE-1

Alumni Voice:-

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



M.TEJESWINI
Software Engineer
Accenture.

Student's Voice:-

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



M. LAKSHMI NARAYANA
19475A0231
IV EEE