

Department of EEE

DO RIGHT, SAVE LIGHT
JANUARY TO JUNE-2023

VOLUME-7, ISSUE-1

Editorial Board

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Editor

P.Bramaramba vathi, Asst.Professor

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2. Kotte Gayathri (II EEE)
3. Marre Gopikrishna (III EEE)
4. Sanaka Bhaavani (III EEE)
5. Bidinne Venkata Sumanth (IV EEE)
6. Bodeddula Nagapravallika (IV EEE)

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

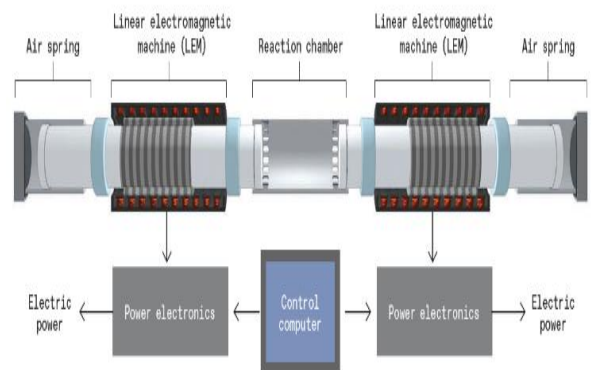
- ❖ To provide knowledge-based technology and infrastructure to meet the needs of industry and Society.
- ❖ To assimilate innovation and research oriented culture to make successful professionals and entrepreneurs.
- ❖ To encourage lifelong learning with ethics among the students so as to make them as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

New Trends

LINEAR GENERATOR

The linear electromagnetic machine LEM, in principle, is an electric motor that has been unrolled to form a line instead of a circle. It consists of a moving part--the translator--and a stationary part--the stator. The translator is a long, straight tube with an array of

neodymium permanent magnets attached to the perimeter, near the centre. An end plate caps each translator tube and seals to the inner surface of the reaction chamber. The capped end of the translator does the actual compression, as the piston would in an engine, but it is wildly different in design. The stator is a series of copper coils. As the translator moves back and forth in a straight line inside the coils, the magnets generate current that feeds to DC bus.



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

THE IMPORTANCE OF SUBSTATION GROUNDING SYSTEM

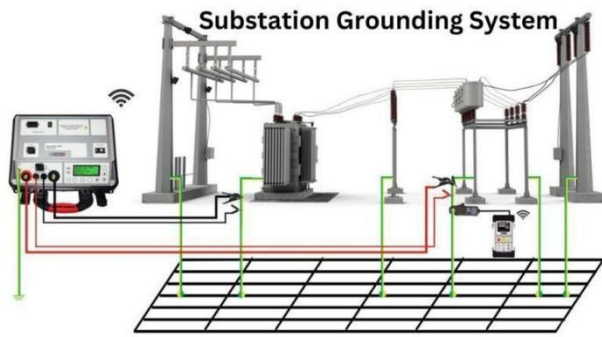
A substation grounding system is a network of conductors and ground rods that provide a low

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resistance path to the earth for fault current and stray voltages. It protects personnel and equipment from the effects of lightning and other hazardous electrical conditions. The grounding system typically includes a main grounding bus, ground rods, and grounding conductors.



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

Faculty Focus

International Journals:

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

FDPs Attended:

- ❖ **Mrs.P.Bramaramba vathi** attended & certified an UHV-FDP on “**Inculcating Universal Human Values in Technical Education**” during **16-01-23 to 20-01-23** organized by AICTE, NEW DELHI.
- ❖ The following faculty members are attended & certified an UHV-FDP on “**Inculcating Universal Human Values in Technical Education**” during **30-01-23 to 03-02-23** organized by AICTE, NEW DELHI.
 1. G. Naveen
 2. Sk. Abdul Kalam
 3. P. Naganjaneyulu
- ❖ **Mr.P.D.V.S.K.Kishore** attended & certified a five day Online National Level FDP on “**Electric Vehicle Technology and Battery Management Systems-Challenges, Opportunities and Indigenous Solutions**” from **06-02-23 to 10-02-23** organized by Department of Electrical & Electronics Engineering, Presidency University, Bangalore in Association with EV Retron Energies Pvt Ltd,Hyderabad.
- ❖ **Mrs.S.Saritha** attended & certified an UHV-FDP on “**Inculcating Universal Human Values in Technical Education**” during **20-02-23 to 24-02-23** organized by AICTE, NEW DELHI.



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

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

1. Sk.Karimulla
2. P. Naganjaneyulu

❖ The following faculty members are participated & certified in IP Awareness / Training Program under “**National Intellectual Property Awareness Mission**” on **10-03-23** organized by Intellectual Property Office, India.

1. M. Chandra Sekhar
2. P. Naganjaneyulu
3. G. Naveen

❖ The following faculty members are participated & successfully completed 20 hours fast track course on “**Electric Vehicles**” organized by Sri Ramakrishna Engineering College in Association with Department of EEE, Coimbatore held during 02 – 05, May 2023.

1. Dr.SK.Md.Shareef
2. P.D.V.S.K.Kishore
3. Sk.Karimulla
4. Sk.Abdul Kalam
5. G.Naveen
6. P.Naganjaneyulu
7. P.Raghava Rani
8. S.Saritha

❖ The following faculty members are participated & certified in third International Virtual Conference on “**Recent Trends in Power Systems and Power**

Electronics” organized by Department of EEE, NEC held on **10-06-2023**.

1. Dr.P.Lakshmanan
2. Dr.Sk.Md.Shareef
3. M. Chandra Sekhar
4. G.Naveen
5. P.Bramaramba vathi
6. P. Naganjaneyulu

Workshops Attended

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

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

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

NPTEL Course Details

| Name of the Faculty | Title | Course Duration |
|---------------------|-----------------------------|--------------------|
| Dr. Sk.Md. Shareef | Digital Protection of Power | Jan to March, 2023 |

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| | | |
|---------------------|--|--------------------|
| Sk. Karimulla | Design, Technology & Innovation | Jan to March, 2023 |
| P. Naganjaneyulu | Design, Technology & Innovation | Jan to March, 2023 |
| Dr.P.Lakshmanan | High Power Multilevel Converters – Analysis, Design and Operational Issues | Jan to March, 2023 |
| P. Bramaramba vathi | Enhancing Soft Skills & Personality | Feb to April, 2023 |
| G.Nagaraju | Introduction to Research | Feb to April, 2023 |
| M.Chandra Sekhar | Introduction to Research | Feb to April, 2023 |
| P.Raghava Rani | Introduction to Research | Feb to April, 2023 |
| S.Saritha | Introduction to Research | Feb to April, 2023 |

Organized Programs:
JUBILATION-2K23

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



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



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

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



FAREWELL PROGRAM

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



THIRD INTERNATIONAL VIRTUAL CONFERENCE

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

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and Technology, University of Technology and Applied Science - Ibra, Sultanate of Oman, deliver Keynote address virtually on 10-06-2023 and his research experience and insides on emerging Technologies.

3rd INTERNATIONAL VIRTUAL CONFERENCE ON RECENT TRENDS IN POWER SYSTEMS AND POWER ELECTRONICS
NEC-ICPSPPE-2K23
10th June, 2023
Organized by Department of Electrical and Electronics Engineering
In Association With ISTE

Important Dates
Paper Submission opens from: 10th May, 2023
Paper Submission closes on: 10th May, 2023
Acceptance Notification: 10th May, 2023
Camera Ready Paper: 0-9th June, 2023
Copy right for Submission & Audit: 10th June, 2023
Conference Date: 10th June, 2023

Submission Guidelines
• Authors intending to present papers are requested to send Soft copies in Microsoft Word format.
• The authors are requested to limit the number of pages to 6.
• The selected papers will be notified for registration.
• No. of Authors per paper is limited to four only.
• Certificate will be provided to authors who is presenting paper orally during the conference.
• All the presented papers will be published in conference Proceedings with ISBN Number.
• The selected papers will be published in IJAC-CARE Annals with prior consent of authors.

Organizing & Advisory Committee
Chairman: Dr. S. Mary Raja Sheelamma, St. Joseph University in Taiwan, Taiwan
Vice-Chairman: Dr. S. Raviindran, JNTUK, Kakinada
Dr. K. Ravindran, JNTUK, Kakinada
Dr. I. Sathish Kumar, NIT, Wengal
Dr. R. Ramana, Anna University, Chennai
Dr. Ch. Chiranjeevi, SVU, Tirupati
Dr. Venkatesh Kumar, JEC, Wengal
Dr. Vijay Kumar, SEMG, Chennai

Organizing Committee
Dr. M. Lakshmanan
Prof. & Head
Dept. of EEE
- 949927701

Contact Details
Dr. M. Lakshmanan
Prof. & Head
Dept. of EEE
- 949927701

Categories Registration Fees
Students / Faculty: Rs. 3000/-
R&D / Industry: Rs. 5000/-
Foreign Delegates: US\$ 850

Name of the organizing Committee
Narasaraopeta Engineering College
Department of Electrical and Electronics Engineering
Narasaraopeta
Pin Code: 524 102
Bank Name: State Bank of India
Branch: Narasaraopeta
IFSC Code: SBIN00 0416008

Paper Submission Link:
<https://tinyurl.com/NEC-ICPSPPE2K23>

NARASARAOPETA ENGINEERING COLLEGE
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Hearty Welcome to DELEGATES

3rd INTERNATIONAL VIRTUAL CONFERENCE ON RECENT TRENDS IN POWER SYSTEMS AND POWER ELECTRONICS
NEC-ICPSPPE-2K23
10th June, 2023
KEYNOTE SPEAKER

Dr. PRATAPA RAJU M
Sr. Teaching faculty
SDC co-chair: Engineering Dept. College of Engineering and Technology,
University of Technology and Applied Sciences- Ibra, Sultanate of Oman.

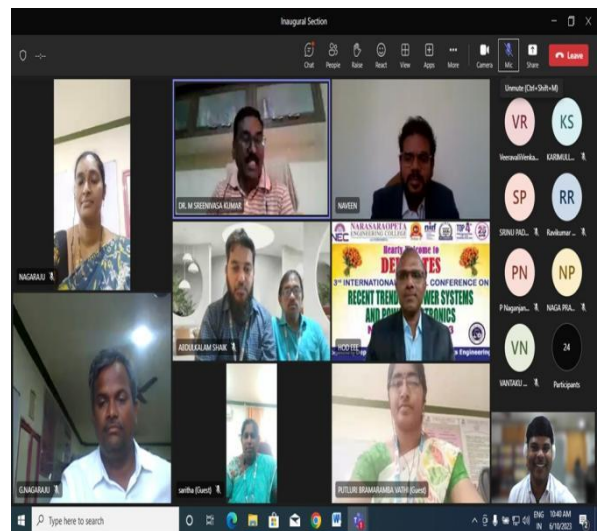
Organized by **Department of Electrical & Electronics Engineering**
In Association with **ISTE**

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



❖ Dr. PRATAPA RAJU M, Sr. Teaching Faculty SDC co-chair: Engineering Dept. College of Engineering

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



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Student Focus

NPTEL Course Details

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

| | | | |
|--|------------------------------------|-----------------|---|
| | and Innovation | | |
| | Cloud Computing | Jan-April, 2023 | 3 |
| | Introduction to Internet of Things | Jan-April, 2023 | 3 |

AICTE - PARAKH

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



Student Learning Assessment
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI





PULLETIKURTHI SAI LAKSHMI PRASANNA (SLAS269756)
4th Year
ELECTRICAL AND ELECTRONICS ENGINEERING
NARASARAOPETA ENGINEERING COLLEGE (1-2146711)


Date : 09-03-2023
Type : Self-Assessment

Overall Rating


★★★★★


★★★★★ Excellent | ★★★★☆ Very Good | ★★★☆☆ Good

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



Student Learning Assessment
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI





PERLA LINGESWARA RAO (SLAS269619)
3rd Year
ELECTRICAL AND ELECTRONICS ENGINEERING
NARASARAOPETA ENGINEERING COLLEGE (1-2146711)

Date : 22-03-2023
Type : Self-Assessment

Overall Rating

★★★★★

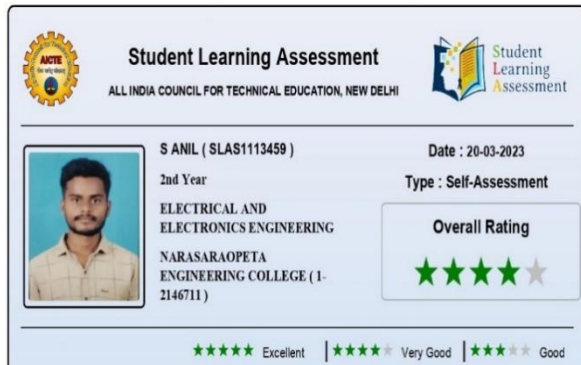
★★★★★ Excellent | ★★★★☆ Very Good | ★★★☆☆ Good

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



STUDENT ACHIEVEMENTS:

TECHNO – MANAGEMENT FEST

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

ESSAY WRITING COMPETITION

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

POSTER PRESENTATION

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

ELOCUTION COMPETITION

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

REPUBLIC DAY CELEBRATIONS-2K23

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

1. U. Muthaiah (21471A0228)
2. M. Venkata Suswanth (21471A0207)

ARTISTIC YOGASANA SOLO

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

TRADITIONAL YOGASANA

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

MAHOSTAV GOT TALENT

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



INTER COLLEGE SPORTS FEST-2023

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

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



PROJECT EXPO

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

1. K. Pavan Kalyan (20475A0209)
2. U. Prasanna Kumar (20475A0229)
3. K.Srikanth (20475A0243)

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

1. B. Venkata Sumanth (20475A0267)
2. A. Balaji (19471A0202)
3. Sk. Gouse Basha (19471A0224)

TECHNICAL QUIZ

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

1. V. Pranay Naga Sai (21475A0230)
2. M. Kesava Krishna (21475A0221)
3. K. Durga Sankar (21475A0226)

TECHNICAL PAPER PRESENTATION

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



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

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

INTERNATIONAL WOMEN'S DAY

- ❖ **K.SAILEELA (22475A0226)**, II EEE has won the Third Prize in the event of **ESSAY WRITING** held as a part of International Women's Day 2023 organized by Narasaraopeta Engineering College held on **01-03-2023**.
- ❖ **A.SUSMITHA (22475A0225)**, II EEE has won the Third Prize in the event of **Best From Waste & Painting Art** held as a part of International Women's Day 2023 organized by Narasaraopeta Engineering College held on **17-03-2023**.

TEC PRAYAGA-2K23

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

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

VIDYOUTH-2K23

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

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

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

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

INTERNATIONAL DAY OF YOGA

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

Student Publications:

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

| S.No. | Student Names | Title of Published Paper |
|-------|------------------------|---|
| 1 | M.Nagendra Kumar | Detecting and addressing the interruption in electrical poles |
| | K.V.Mallikarjuna Reddy | |
| | P.Naveen | |
| | D.Govindu | |
| 2 | S.Srinivasa Rao | Four quadrant DC motor controlled by android applications |
| | K.Gopi | |
| | K.S.R. Akhil | |
| | D.Bhanu Prakash | |
| 3 | Ch Venkata Amarnadh | |

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| | | |
|----|---|---|
| | A. Padma Priyanka M.Praveen M. Ganesh | Dual axis solar tracking with weather monitor |
| 4 | B. Venkata Sumanth V. Harsha Vardhan A.Balaji Sk. Gouse Basha | Real Time Alert System for Auxiliary Transformer failures |
| 5 | B. Mythili Hemanth Kumar.K B.Venkateswara Reddy P.Pedababu | Automatic Real Time Railway Fishplate Monitoring System For Early warning using IoT |
| 6 | S.Adharsh M.Anil Kumar K.Siva Teja Sk.John Saida | A model of Smart Energy Meter Using GSM |
| 7 | K.Francis B.Jaansan D.Amaresh Sk Abdul Rafi | Real-Time Street Light Monitoring and Control |
| 8 | Ravi Kumar Ramya M.S.Lidiya N.Lokesh Sai P.Gopi Raju | Speed control of Dc Motor by using GSM |
| 9 | Y.Jeevan Kumar Tanikonda Balu Prasad B.Rajesh Veeranjaneyulu Kumba | Protection of Induction Motor from Overvoltage, Over Current And Temperature |
| 10 | G.N.Yaswanth Reddy Y. Vinay G. Phanindra Y.Yaswanth | Led Matrix Using Arduino |
| 11 | P.Ramanjaneyulu M.Praveen G.Bhargav K.Hanish | Multi Power Supply Using Four different Sources for No-Break Power Supply |
| 12 | S Vamsi Siva Kumar Reddy | Wireless Battery Charging for EV |

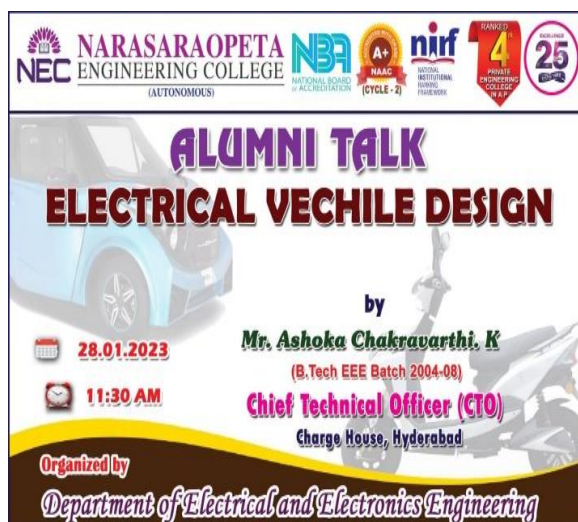
| | | |
|----|---|--|
| | S.Gowtham Yadav P.Venkata Manikanta Ch.Rakesh | |
| 13 | N.Sree Keerthi Sd Nizamuddin Ruthala Venkatarao Gottipati Srinivas | RFID Security Access control systems |
| 14 | K.Pavan Kalyan U.Prasanna Kumar K. Srikanth M.Pavan Kumar | Prototype of Advanced Highway Power Generation & EV'S Wireless Charging |
| 15 | Dasari Yamini V. Navya T. H.Krishna P. Bhanu Prasad | Novel Multilevel Inverter Design with Reduced Device Count |
| 16 | B Naga Pravallika Yelchuri Karunakar P. Sravani Pilli Mahesh | Human following Robot using Arduino with GPS Tracker |
| 17 | K.V.Naresh D.Akash T.Narendra Kumar B.Hemanth Naga Sai | Performance Improvement of three-phase dynamic programmable voltage source and PID controller |
| 18 | Dadi Yamuna V.Demudu Naidu Ch.Venkateswara Reddy Ch.Sai Varun | Design of power factor correction based full bridge converter circuit for charging of ev using matlab simulink |
| 19 | P. Srinuvasa Rao D.Govardhan K.B.Murali Krishna Kondru Raju | Switching Losses and Harmonic Investigations in Multilevel Inverters |
| 20 | U.Nagur Babu N.Veeranjaneyulu | Automatic Power Factor Correction |

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| | | |
|----|-------------------------|---|
| | M.U.Bhaskara Chari | with Measurement of Real Power, Reactive Power, Apparent Power |
| | Y. Sneha Sai Raju | |
| 21 | V.Naveen Kumar | Study and Analysis of CUK,SEPIC and ZETA Converters |
| | Ch.N.Malleswara Rao | |
| | A.Hemanth Kumar | |
| | Tippabathini Ranga Babu | |
| 22 | K.Roshan | A Prototype of Advanced Automotive Safety System with Obstacle Avoiding, Bluetooth & Voice Controls |
| | Vykuntam Nitish Kumar | |
| | Kantheti Vinay Kumar | |
| | Sk. Md.ABRAR | |
| 23 | Boni Tarun | RPM display for BLDC motor with speed controller |
| | P.Sai Lakshmi Prasanna | |
| | Sk.Md.Suhel | |
| | M.Ramu | |
| 24 | Anil Babu Ankam | IoT-Based battery monitoring system for electric vehicle |
| | B. Mamatha | |
| | A Sai Siva Vara Prasad | |



ALUMNI INTERACTION:

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

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

Department of EEE

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JANUARY TO JUNE-2023

VOLUME-7, ISSUE-1



NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

ALUMNI TALK
DESIGN AND TESTING OF TRANSFORMERS

06.02.2023
11:30 AM


by
Mr. Sharukh Shaik
(B.Tech EEE Batch 2019-22)
Graduate Engineer Trainee
TOSHIBA, Hyderabad

Organized by
Department of Electrical and Electronics Engineering



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 (2022 Batch)

| | | | | |
|--|---|---|---|---|
|  SK MABU SUBHANI 22471A0228 9.69 |  V.S.DURGA CHARITHA 22471A0238 9.69 |  P. SAMEENA 22471A0223 9.53 |  SK.ASMIN 22471A0225 9.53 |  V.VENKATA SIVA 22471A0237 9.53 |
|--|---|---|---|---|

Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in I B.Tech. I Sem

I – B.Tech I – SEM



NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
II B.Tech. I Semester, EEE Toppers List (2021 Batch)

| | | | | |
|---|--|---|---|--|
|  K.VINAY 21471A0210 8.19 |  V.TSIVENI 21471A0230 8.19 |  B.MAHESH 22475A0263 8.12 |  D.VIJAYALAKSHMI 22475A0223 8.07 |  V.SAI RAM 22475A0252 8.07 |
|  N.PAVAN KUMAR 22475A0253 7.98 |  M.B.VENKATA SAI 22475A0220 7.79 |  Y.SIREESHA 21471A0232 7.77 |  B.RINJANAN REDDY 22475A0248 7.72 |  A.SOFIA 22475A0254 7.72 |








Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in II B.Tech. I Sem

II – B.Tech I – SEM



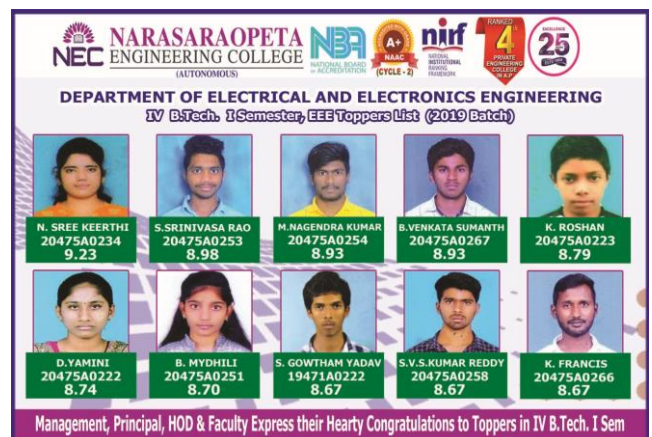
NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
III B.Tech. I Semester, EEE Toppers List (2020 Batch)

| | | | | | |
|---|---|---|--|---|--|
|  M.VENKATESWARAO RAO 20471A0221 8.88 |  M. SUPRIYA 20471A0226 8.60 |  Y. ABHIRAM 20471A0260 8.60 |  S.BHAAVANTI 21475A0204 8.60 |  S. NAVEEN 21475A0237 8.47 |  K. MANIKANTA 20471A0217 8.05 |
|  M. GOPI KRISHNA 20471A0225 8.05 |  R. SRIESWARI 20471A0238 8.05 |  V. RAMYA 20471A0255 8.05 |  K.JITHENDRA 21475A0208 8.05 |  J. BALA ANKA RAO 21475A0214 8.05 |  D. B.T. SUNDARI 21475A0220 8.05 |











Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in III B.Tech. I Sem

III – B.Tech I – SEM



NARASARAOPETA ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
IV B.Tech. I Semester, EEE Toppers List (2019 Batch)

| | | | | |
|---|--|---|--|---|
|  N. SREE KEERTHI 20475A0234 9.23 |  S.SRINIVASA RAO 20475A0253 8.98 |  M.NAGENDRA KUMAR 20475A0254 8.93 |  B.VENKATA SUMANTH 20475A0267 8.93 |  K. ROSHAN 20475A0223 8.79 |
|  D.YAMINI 20475A0222 8.74 |  B. MYDHILI 20475A0251 8.70 |  S. GOWTHAM YADAV 19471A0222 8.67 |  S.V.S.KUMAR REDDY 20475A0258 8.67 |  K. FRANCIS 20475A0266 8.67 |

Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in IV B.Tech. I Sem

IV – B.Tech I – SEM

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



NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

Department of EEE

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INDUSTRIAL VISITS:

- ❖ As a part of Academics students are required to visit industries in order to get the practical knowledge and industrial exposure.
- ❖ The II B.Tech Lateral students are visited Mittapalli Spinners Ltd. On 31-01-2023.

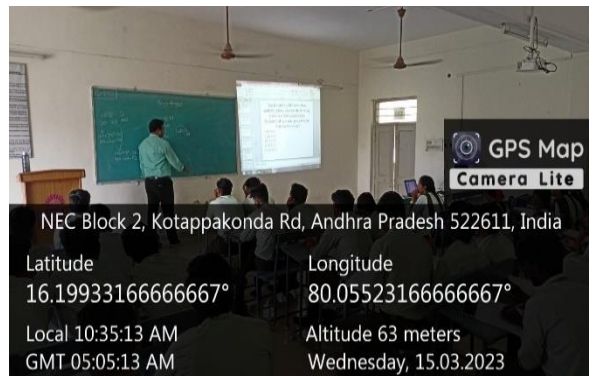


TRAINING PROGRAMS ORGANIZED

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



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



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



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ALUMNI VOICE:

- ❖ The systematic approach towards imparting Education at NEC made me as a competent individual. In four years of my graduation, I faced different aspects of life. Those years at NEC are the best for concerning learning, experience & gaining exposure to fields.
- ❖ The faculty are very supportive & encourage students to reach above expectations, NEC focus on overall development of every student in education, cultural awareness & practical of business world. Finally, I would take to thankful to the entire NEC family for their support & motivation in my carrier building & to fulfill my dreams.



B.V.SUMANTH

TCS

Assistant Trainee Engineer

STUDENT'S VOICE:

- ❖ As a third year student. I would like to share my experience in Narasaraopeta Engineering College. Till now I had completed five semesters & participated so many competitions in & out of the campus to improve my skills.
- ❖ Our department faculty are so supportive & encourage me & my friends to participate in various programs like Technical Quiz, paper Presentations & Cultural

activities to eliminate stage fear. NEC College provides Pradhan Mantri Yuva Yojana Programs for students to implement their ideas as an entrepreneurs



B. BALA TRIPURA SUNDARI

21475A0220

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