

Department of EEE

ELECTRA

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JULY-2022 TO DECEMBER-2022

VOLUME-6, ISSUE-2

Editorial Board

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4. Sanaka Bhaavani (III EEE)
5. Bidinne Venkata Sumanth (IV EEE)
6. Bodeddula Nagapraballika (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

BIOENERGY

Bioenergy is by far the largest renewable contributor to the transport and heating sectors, and also provides an important share of renewable electricity generation. In

2016 bioenergy supplied around 500 KWh of electricity, accounting for approximately 2% of global electricity generation with the total installed capacity reaching 110 GW. While over the period of 2010–2016 annual capacity additions were steady in the range of 5–7 GW per year, bioenergy only plays a prominent role in the electricity generation portfolios of a limited number of countries. Thus, in 2016 around 90% of all capacity was located in just 26 countries, which indicates that bioenergy is growing but not expanding strongly into a wider array of countries, in many cases despite biomass resource availability.



One of the major challenges of bioenergy within electricity production sector is relatively high cost of electricity generation and limited scope for lowering these costs due to general maturity of technology implemented. These technologies are mostly based on conventional power plant technologies like direct combustion of solid fuels or use of gaseous products of biomass within gas turbines or gas engines. Even combined in most of the cases with heat production, biomass electricity generation is still limited in improvements of project economics or technology.

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Blockchain Energy Management System



The blockchain framework uses entity mapping with a unique identity for each enterprise, natural person, or device, in order to avoid ineligible participants to join the microgrid. Each peer entity keeps the transaction information index of the whole network, but only keeps its own specific transaction information, so they can retrieve the transaction information of other peer entities but cannot obtain the details without permission. Moreover, this model could avoid communication delays and promote plug-and-play due to the distributed nature of the permissioned blockchain.

Faculty Focus

International Journals:-

- ❖ **Dr.P.Lakshmanan** has presented a paper on “**High Step-up DC-DC converter using 3-Winding Transformer & Soft-Switching for use in Photovoltaic Systems**” in 3rd International Conference of Emerging Technology (INCET – 2022) during 27 – 05 -2022 to 29 -07 – 2022 at Jain College of Engineering, Belagavi, India.

Faculty Newly Appointed

- ❖ **Mrs..P.Raghava Rani** newly joined as Assistant Professor.



- ❖ **Mrs..P.Raghava Rani**, completed B.Tech (EEE) from St.Anns Engineerign College (Chirala) (Affiliated to JNTUH, Hyderabad), Prakasam Dist. Andhra Pradesh state in the year 2008 & completed M.Tech (Power Electronics and Power Systems) from KrishnaVeni Womens’s Engineering College (Affiliated to JNTUK, Kakinada), Kesanupalli, Guntur Dist, Andhra Pradesh State in 2013. She has 9 years of Experience in teaching.

FDPs Attended

- ❖ **Dr.P.LAKSHAMAN** attended FDP on “**Simulation of Smart Electric Vehicles**” (in collaboration with Typoon HIL) during 18-07-2022 to 22-07-2022 organized by department of EEE, NITTTR, Chandigarh.
- ❖ **Dr.SK.MD.Shareef** attended FDP on “**Emerging Technologies in Electrical Engineering**” from 28-11-2022 to 02-12-2022 organized by PACE Institute of Technology & Science, Ongole.

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- ❖ **Dr.SK.MD.Shareef** attended FDP on “**Inculcating Universal Human Values in Technical Education**” from **14-11-2022 to 18-11-2022** organized by AICTE New Delhi Institute of Technology & Science, Ongole.
- ❖ **Mr.P.D.V.S.K.Kishore** attended FDP on “**Battery-Super capacitor hybrid energy storage systems for Electric Vehicle**” on 03-08-22 organized by Shrimitha Energy Solutions Private Limited.
- ❖ **Mr.G.Nagaraju** attended FDP on “**Power Electronics Applications to Smart Grid and Electric Vehicles**” during **27-06-22 to 29-06-22** organized by Department of EEE, Anil Neerukonda Institute of Technology and Sciences (ANITS), Visakapatnam.
- ❖ **Mr.G.Naveen** attended FDP on “**Power Electronics Applications to Smart Grid and Electric Vehicles**” during **27-06-22 to 29-06-22** organized by department of EEE, Anil Neerukonda Institute of Technology and Sciences (ANITS), Visakapatnam.
- ❖ **Mr.M.Chandra Sekhar** attended FDP on “**Power Electronics Applications to Smart Grid and Electric Vehicles**” during **27-06-22 to 29-06-22** organized by department of EEE, Anil Neerukonda Institute of Technology and Sciences (ANITS), Visakapatnam.
- ❖ **Mr.G.Naveen** attended and certified in one week FDP on “**Smart Grid & Micro Grids in Indian Context**” from 20-06-22 to 24-06-22 organized by Department of EEE, MGIT, Hyderabad.
- ❖ **Mr.P.V.S.K.Kishore** attended and certified in one week FDP on “**Smart Grid & Micro Grids in Indian Context**” from **20-06-22 to 24-06-22** organized by Department of EEE, MGIT, Hyderabad.
- ❖ **Mr.Sk.Karimulla** attended one week STTP through ICT mode “**Assessment and Evolution**” during **13-06-22 to 17-06-22** organized by NITTTR, Kolkata.
- ❖ The following faculty members are participated in five day online FDP on” **The role of artificial Intelligence in Renewable energy Application**” from 01-08-22 to 05-08-22 organized by department of EEE, KPR Institute of Engineering & Technology, Coimbatore, Tamilanadu,, India.
 1. Dr.P.Lakshman.
 2. Dr. SK.MD. Shareef
 3. P.D.V.S.K.Kishore
 4. G. Nagaraju
 5. M. Chandra Sekhar
 6. G. Naveen
 7. Sk. Karimulla
 8. Sk. Abdul Kalam
 9. P. Bramarambhavathi
 10. P. Naganjaneyulu
- ❖ The following faculty members are participated & certified in one week online FDP on “**Nano Sensors & devices**” from **22-08-22 to 26-08-22** organized by department of mechanical engineering in association with NITTTR, Chandigarh.
 1. Dr. SK.MD. Shareef

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2. P.D.V.S.K.Kishore
3. G. Nagaraju
4. M. Chandra Sekhar
5. G. Naveen
6. Sk. Abdul Kalam
7. P. Bramarambavathi
8. P. Naganjaneyulu

❖ The following faculty members are participated & certified in one week online FDP on “**Energy Harvesting and Storage Material & Devices**” from **12-09-22 to 16-09-22** organized by department of mechanical engineering in association with NITTTR, Chandigarh.

1. P.D.V.S.K.Kishore
2. G. Nagaraju
3. G. Naveen
4. k.Karimulla
5. Sk. Abdul Kalam
6. P. Naganjaneyulu

❖ The following faculty members are participated & certified in one week online FDP on “**Managerial Skills for Technical Teacher and Administrators**” from **26-09-22 to 30-09-22** organized by IQAC & Department of Mechanical Engineering in association with NITTTR, Chandigarh.

1. Dr.P.Lakshman.
2. Dr. SK.MD. Shareef
3. P.D.V.S.K.Kishore
4. G. Nagaraju
5. M. Chandra Sekhar
6. G. Naveen

7. Sk.Karimulla
8. Sk. Abdul Kalam
9. P. Bramarambavathi
10. P. Naganjaneyulu

❖ The following faculty members are participated & certified in one week online FDP on “**VLSI Devices and Circuits for AI Applications**” from **19-09-22 to 23-09-22** organized by IQAC & Department of Electronics & Communications Engineering in association with NITTTR, Chandigarh.

1. G. Nagaraju
2. K. Karimulla
3. P.Naganjaneyulu

❖ The following faculty members are participated & certified in one week online FDP on “**IoT Enabled PLC**” from **10-10-22 to 14-10-22** organized by IQAC & Department of Electrical & Electronics Engineering in association with NITTTR, Chandigarh.

1. Dr.P.Lakshman.
2. Dr. SK.MD. Shareef
3. P.D.V.S.K.Kishore
4. G. Nagaraju
5. M. Chandra Sekhar
6. G. Naveen
7. Sk.Karimulla
8. Sk. Abdul Kalam
9. P. Bramarambavathi
- 10.P. Naganjaneyulu
11. P.Raghava Rani
12. G.Saritha

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- ❖ **Mr.Chandra Sekhar** attended FDP on “Recent Advances in Electrical Engineering” during **17-10-22 to 21-10-22** organized by department of EEE, in association with IEEE Annanthapuram Subsection and IEEE student branch of G.Pullareddy College of Engineering (Autonomous), Kurnool.

Workshops Attended

- ❖ **Dr.P.Lakshmanan** has participated in one week online workshop on the “Design, Test & Validate, Power Electronics E-Mobility, Renewables, Microgrid using Typhoon HIL” during **27-06-2022 to 02-07-22** organized by department of EEE, NIT, Delhi..

Organized Programs:-

R20 BOS MEETING

- ❖ The department of EEE conducted BOS meeting on **19-07-2022** for the approval of,
 - R20–III & IV Year Course Structure and Syllabus.
 - Minors & Honors.

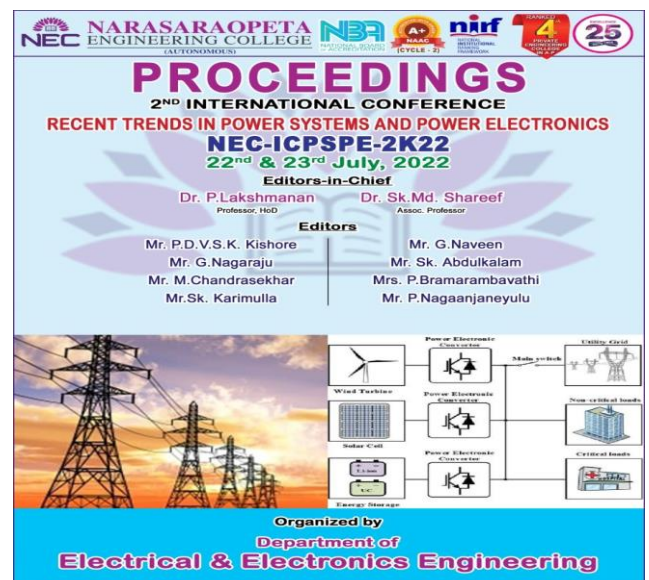


- ❖ **Dr.K.RAVINDRA**, Professor of EEE, UCEK, JNTUK participated as BOS subject expert by JNTUK and Resolutions made at BOS meeting.



SECOND INTERNATIONAL CONFERENCE

- ❖ The department of EEE organized second international conference on recent trends in power systems and power electronics – 2K22 (NEC-ICPSPE-2K22) which will be held on **22-07-2022 to 23-07-2022**.



- ❖ **Dr.UMASHANKAR SUBRAMANIAM**, Associate Professor and Distinguished Researcher in renewable energy lab, College of Engineering, Prince Sultan

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University, Riyadh Saudi Arabia, deliver Keynote address virtually on 22-07-2022 and his research experience and insides on emerging Technologies.



- ❖ The enthusiastic participants gave an outstanding feedback about keynote speaker and helped in attaining the knowledge on the topic “Renewable energy”.



CAREER GUIDANCE PROGRAM

- ❖ The Department of EEE & IQAC organized an Online Session on “**Build Self Confidence**” by Doctorite Miss.Sita on **13-09-2022** from 2 PM – 3PM.



MICHAEL FARADAY BIRTHDAY CELEBRATIONS

- ❖ The department of EEE celebrated 231st birth Anniversary of Michael Faraday on **22-09-2022**. He was the father of Electricity.



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The Honorable Secretary & Principal sir garlanded Faraday's portrait on this occasion. The EEE staff are accompanied with them.

CAREER GUIDANCE PROGRAM

- ❖ The Department of EEE organized A Guidance Program on Career Opportunities after B.Tech for the IV EEE students on 24-09-2022.

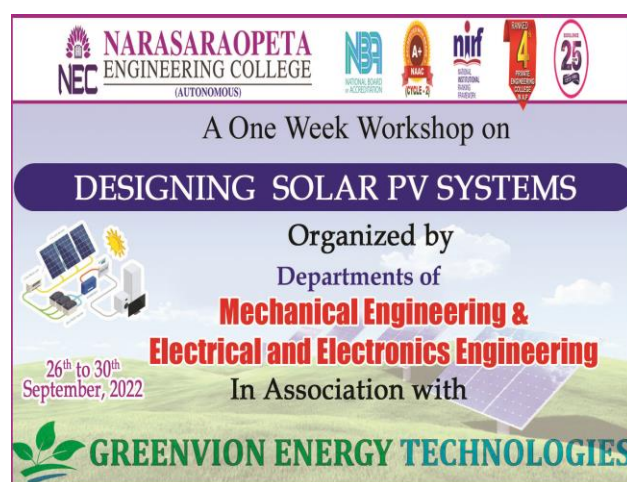


Mr. M.Ramesh, Senior Faculty Member at ACE, give a guidance about the opportunities after completion of B.Tech like GATE Exams, AE Exams and other competitive exams.



WORKSHOP

- ❖ The Department of EEE & ME Conducted one week Workshop on "Designing Solar PV Systems" in Association with GREENVION ENERGY TECHNOLOGIES from 26-09-2022 to 01-10-2022.



- ❖ The III B.Tech I Sem (A & B) Students are participated in this Workshop & explained by B.Purushotam Chary, Manager-GVET, Hyderabad.



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FDP PROGRAM

- ❖ The Department of EEE & IQAC organized one week Faculty Development Programme on “IOT Enabled PLC” in Association with NITTTR, Chandigarh from 10-10-2022 to 14-10-2022.



The poster for the IOT Enabled PLC FDP Program features the Narasaraopeta Engineering College (NEC) logo at the top left, along with accreditation logos for NAAC (A+), NIRF (4th rank), and ISO 9001:2015. The text reads: "A One Week Faculty Development Program on IOT ENABLED PLC during 10th - 14th October, 2022. In Association with National Institute of Technical Teachers Training & Research, Chandigarh. Organized by: Dept. of Electrical and Electronics Engineering".

NATIONAL ENERGY CONSERVATION DAY

- ❖ The Department of EEE and IQAC organized a program on the occasion of “NATIONAL ENERGY CONSERVATION DAY” on 14-12-2022.



The poster for National Energy Conservation Day features the NEC logo and accreditation logos. The text reads: "NATIONAL ENERGY CONSERVATION DAY Welcome to CHIEF GUEST Sri. S. Srinivasa Rao Executive Engineer, APCPDCL, Narasaraopet. Theme: SAVE ENERGY - SAVE EARTH. Date: 14-12-2022. Organized by IQAC & Department of Electrical and Electronics Engineering". The central image shows a hand holding a globe with a solar panel and a wind turbine.

- ❖ The Department of EEE invited as a Chief Guest Sri.S.Srinivasarao, Executive Engineer, APCPDCL, Narasaraopet for this program.



- ❖ On the occasion of “NATIONAL ENERGY CONSERVATION DAY” the department of EEE and IQAC conducted a poster Presentation with the theme “SAVE ENERGY-SAVE EARTH” and prizes are distributed for the winners.



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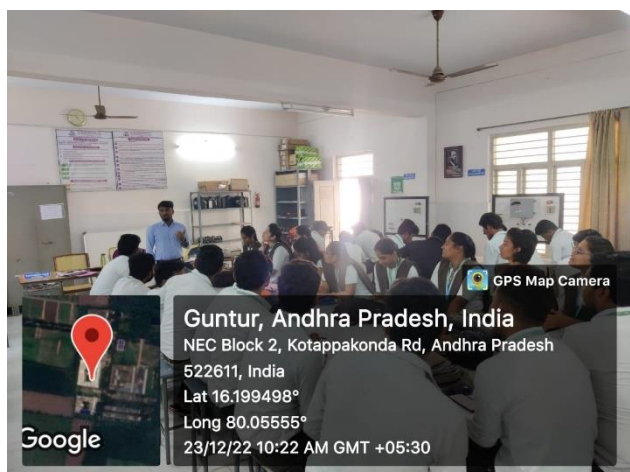
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PRACTICAL TRAINING PROGRAM

- ❖ The Department of EEE & IQAC organized A Two Week Practical Training Program with hands on Experience on “PLC & VFD” In Association with Axis Global Automation, Chennai from 19-12-2022 to 31-12-2022.



- ❖ The IV B.Tech II Sem (A & B) Students are participated in this Practical Training Program & explained by the Trainer Mr.M.Nagarjun, Application Engineer, AGIIT, Chennai.



Faculty Achievements

- ❖ On the Occasion of **Dr.Sarvepalli RadhaKrishnan Birth Anniversary (Teacher's Day)**, **Dr.P.Lakshmanan, HOD of EEE** received Academic Excellence Award for the Academic Year 2021-2022 on **05-09-2022**.



- ❖ The following faculty also received Academic Excellence Awards for the Academic Year 2021-2022 on **05-09-2022**.

1. Dr. SK.MD. Shareef
2. P.D.V.S.K.Kishore
3. Sk. Abdul Kalam
4. P. Bramarambavathi

Student Focus

NPTEL Course Details

Student Details	Title	Course Duration	No.of Students Completed
IV-I	DC Micro Grid & Control Systems	July to October, 2022	17

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III-I	Operating System Fundamentals	July to October, 2022	01
III-I	The Joy of Computing using Python	July to October, 2022	66

INTERNSHIP PROGRAM Details

S.No.	Organization Name	No.of Students	Status
1.	33/11 KV Substation, Piduguralla	3	Completed
2.	33/11 KV Substation, Vinukonda	3	Completed
3.	33/11 KV Substation, Phirangipuram	2	Completed
4.	Internshala - Programming with Python	1	Completed
5.	Internshala - Machine Learning	17	Completed
6.	132/33 KV Substation, Kothavalasa	2	Completed
7.	132/33 KV Substation, Macherla	3	Completed
8.	33/11 KV Substation, vissanapeta, NTR Dist.	1	Completed
9.	Jindal Steels, Annavaram	1	Completed

10.	RK POWER Control Systems, CPT	7	Completed
11.	VTPS, Vijayawada	14	Completed
12.	220 KV Substation, Markapuram	1	Completed
13.	NPTI, Bangalore	52	Completed
14.	Deep Learning using Pytorch	07	Completed
15.	Webdevelopment with PHP & My SQL Database	01	Completed
16.	765/400 KV, ROMPACHERLA	05	Completed
17.	APGENCO, SRISAILAM	03	Completed
18.	APTRANSCO, SATTENAPALLI	01	Completed
19.	APTRANSCO, TADIKONDA	01	Completed
20.	L&T SOFTWARE TECHNOLOGIES, VIJAYAWADA	15	Completed
21.	SCR, VIJAYAWADA	28	Completed
22.	ZHEST IT, CHILAKALRIPET	01	Completed

AICTE - PARAKH

- ❖ From IV B.Tech, I-Sem EEE, 65 Students are attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.

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 Student Learning Assessment <small>ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI</small>		 Student Learning Assessment
	BAIDINNEVENKATA SUMANTH (SLAS269790) 4th Year ELECTRICAL AND ELECTRONICS ENGINEERING NARASARAOPETA ENGINEERING COLLEGE (I-2146711)	Date : 20-10-2022 Type : Self-Assessment Overall Rating <div style="display: flex; justify-content: center; gap: 5px;"> ★ ★ ★ ★ ★ </div>
★★★★★ Excellent ★★★★★ Very Good ★★★★★ Good		

- ❖ From III B.Tech, I-Sem EEE, 30 Students are attended AICTE-PARAKH Student Learning Assessment and completed on their respective fields.

 Student Learning Assessment <small>ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI</small>		 Student Learning Assessment
	SANAKA BHAAVANI (SLAS269650) 3rd Year ELECTRICAL AND ELECTRONICS ENGINEERING NARASARAOPETA ENGINEERING COLLEGE (I-2146711)	Date : 12-03-2022 Type : Assessment by Institute Overall Rating <div style="display: flex; justify-content: center; gap: 5px;"> ★ ★ ★ ★ ★ </div>

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

 Student Learning Assessment <small>ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI</small>		 Student Learning Assessment
	K DILEEP KUMAR (SLAS1113499) 2nd Year ELECTRICAL AND ELECTRONICS ENGINEERING NARASARAOPETA ENGINEERING COLLEGE (I-2146711)	Date : 16-12-2022 Type : Self-Assessment Overall Rating <div style="display: flex; justify-content: center; gap: 5px;"> ★ ★ ★ ★ ★ </div>

Student Achievements:-

NATIONAL CADET CORPS ARMY ATT CAMP

- ❖ **M.JASWANTH KUMAR, III EEE** Attended Army Attachment Camp at 76 Infantry Brigade From 22-08-2022 to 31-08-2022 in the unit 23(A) BN CHIRALA with the CPL.

VINAYAKA IDOL COMPETITION

- ❖ **J. BALA ANKARAO (21475A0214) & P. RAOSIAH (21475A0209)** of III EEE has won second prize in the event of Vinayaka Idol Competition organized by Narasaraopeta Engineering College.

PHOTOGRAPHY COMPETITION

- ❖ **B.VENKATESWARA RAO (20471A0203)** of III EEE has won the **second prize** in the event of **Photography Competition** conducted by the Narasaraopeta Engineering College on the occasion of World Photography Day 2022.

BOOTCAMP + HACKATHON

- ❖ The following III EEE students are participated in the **12 hours Bootcamp + 32 hours Hackathon on Web Development** conducted from **24-08-2022 to 27-08-2022** organized by NEC in collaboration with Bainovision Solution India Pvt, Ltd.

- | | |
|---------------------------|--------------|
| 1. A.Bhargav Mahesh | (20471A0202) |
| 2. M.Venkateswara Rao | (20471A0221) |
| 3. Y.Abhiram | (20471A0260) |
| 4. S.Bhaavani | (21475A0204) |
| 5. D.Bala Tripura Sundari | (21475A0220) |
| 6. S. Naveen | (21475A0237) |

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NARASARAOPETA ENGINEERING COLLEGE

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- ❖ The following III EEE students are participated in the 12 hours Bootcamp + 32 hours Hackathon on Web Development conducted from 19-10-2022 to 22-10-2022 organized by NEC in collaboration with Bainovision Solution India Pvt, Ltd.

1. P.Rosaiah (21475A0209)
2. P.Teja Babu (21475A0225)
3. R.Shyam Sundar (21475A0232)

- ❖ **P.TEJA BABU (21475A0225)** of III EEE has won the second prize in the event of 12 hours Bootcamp + 32 hours Hackathon on Web Development conducted from 19-10-2022 to 22-10-2022 organized by NEC in collaboration with Bainovision Solution India Pvt, Ltd

2nd STATE LEVEL YOGASANA CHAMPIONSHIPS 2022

- ❖ **D.NAJANJALI (22475A0222)**, II EEE has won the third prize in the event of **TRADITIONAL YOGASANA** of age category senior girls held at PB Siddhartha College of Arts & Science, Vijayawada from 07-10-22 to 09-10-22.

22 ANDHRA BN NCC, TENALI

- ❖ **K.HANUMANTHU (20475A0241)**, III EEE Attended **COMBINED ANNUAL TRAINING CAMP –VII/ PRE RDC LAUNCH CAMP** at NATCO SCHOOL OF LEARNING, GOLLAMUDIPADU from 12-10-22 to 19-10-2022.

INDUSTRIAL ROBOTIC WORKSHOP

- ❖ **B. HARISH (20471A0205)**, III EEE Student attended and certified an **Industrial Robotic Workshop** is

Exclusively Conducted at Narasaraopeta Engineering College in collaboration with Skill AP, **APSSDC** on 09-11-2022.

INTERNATIONAL INTERNSHIP

- ❖ **B.HARISH (20471A0205)**, III EEE student successfully completed the International Internship on “**In Advance Certification on Emerging Technologies**” Organized by Andhra Pradesh Skill Development Corporation (**APSSDC**) and Indo-Euro Synchronization (**IES**) during 29-08-2022 to 21-10-2022.

NATIONAL ENERGY CONSERVATION DAY

- ❖ **K.SAI LEELA (22475A0226)** of II EEE has won the First Prize in the event of Poster Presentation Conducted on the occasion of National Energy Conservation Day on 14-12-2022.

IDEATHON-2022

- ❖ **B.V.SUMANTH (20475A0267)**, IV EEE has won First prize in the event of “**Ideathon – 2022**” organized by Institution’s Innovation Council, Narasaraopeta Engineering College conducted on 16-12-2022.

SAAP PHASE – II YOGA LEAGUE - 2022

- ❖ **D.NAGANJALI (22475A0222)**, II EEE has won First prize in the event of Traditional Yoga Asana in the state level **SAAP PHASE – II YOGA LEAGUE – 2022** organized by District Sports Authority, Kakinada held 29-12-2022.

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CLUSTER LEVEL SPORTS MEET – 2022

- ❖ **CH ANIL (21471A0206), K. KOTESTWARA RAO (21475A0209)** of II EEE won the First prize in the event of Kabaddi as a part of Cluster Level Sports Meet – 2022 held on 28-12-2022.



CLUSTER LEVEL SPORTS MEET – 2022

- ❖ **CH ANIL (21471A0206)** of II EEE has won the First prize in the event of 100mtr Running Race as a part of Cluster Level Sports Meet – 2022 held on 28-12-2022.

Student Publications:-

- ❖ **K.Akhil Kumar, IV EEE** Presented a paper on “**A Power Quality Improved EV Charger with Bridgeless cuk converter**” In the second international conference on resent trends in power systems and

power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **M.Maheswar, IV EEE** Presented a paper on “**A Power Quality Improved EV Charger with Bridgeless cuk converter**” In the second international conference on resent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **CH.Gopi, IV EEE** Presented a paper on “**A Power Quality Improved EV Charger with Bridgeless cuk converter**” In the second international conference on resent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **M.Amos, IV EEE** Presented a paper on “**Chopper based speed control of DC Motor**” In the second international conference on resent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **M.Ganesh, IV EEE** Presented a paper on “**Chopper based speed control of DC Motor**” In the second international conference on resent trends in power

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systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **N.V.S.Amarnadh Reddy**, IV EEE Presented a paper on **“Chopper based speed control of DC Motor”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.
- ❖ **A.Sai Krishna**, IV EEE Presented a paper on **“Chopper based speed control of DC Motor”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.
- ❖ **M.Mounika**, IV EEE Presented a paper on **“Transmission Line fault detection and Identification in an Interconnected Power Network using Phasor measurement units”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.
- ❖ **T.Nikhitha Reddy**, IV EEE Presented a paper on **“DTC control strategy for doubly fed Induction**

Machine under Low Voltage dips” In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **CH.Santhi Priyanka**, IV EEE Presented a paper on **“DTC control strategy for doubly fed Induction Machine under Low Voltage dips”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.
- ❖ **G.Sri Harsha**, IV EEE Presented a paper on **“A Gesture Controlled System”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.
- ❖ **K.Terse Subhashini**, IV EEE Presented a paper on **“Simulation on Single Phase Shunt Active Filter Based on p-q technique using MATLAB / Simulink”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

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- ❖ **G.Subhashitha, IV EEE** Presented a paper on **“Simulation on Single Phase Shunt Active Filter Based on p-q technique using MATLAB / Simulink”**

In the second international conference on recent trends in power systems and power electronics (NEC-ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **G.Pavan Chand, IV EEE** Presented a paper on **“Simulation on Single Phase Shunt Active Filter Based on p-q technique using MATLAB / Simulink”**

In the second international conference on recent trends in power systems and power electronics (NEC-ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **P.Venkata Naga Charan, IV EEE** Presented a paper on **“Design of Seven Level Inverter with reduced Switches ”** In the second international conference on recent trends in power systems and power electronics (NEC-ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **D.Anil Kumar, IV EEE** Presented a paper on **“Design of Seven Level Inverter with reduced Switches ”** In the second international conference on recent trends in power systems and power electronics (NEC-ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by

department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **V.Samba Siva Rao, IV EEE** Presented a paper on **“Dynamic Modelling of Generalized Three Phase Induction Motor Using MATLAB”** In the second international conference on recent trends in power systems and power electronics (NEC-ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **S.Sai Parabrahma, IV EEE** Presented a paper on **“Simulation and Fault Detection Techniques for Multilevel Inverters used in Smart Grids”** In the second international conference on recent trends in power systems and power electronics (NEC-ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **P. Chandra Sekhar, IV EEE** Presented a paper on **“Simulation and Fault Detection Techniques for Multilevel Inverters used in Smart Grids”** In the second international conference on recent trends in power systems and power electronics (NEC-ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

- ❖ **K. Ganesh, IV EEE** Presented a paper on **“Simulation and Fault Detection Techniques for**

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Multilevel Inverters used in Smart Grids” In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

❖ **Sk. Shamreen Kowser, IV EEE** Presented a paper on **“A Novel Single-Stage Buck-Boost Transformer less Inverter for Single- Phase Grid-Connected Solar PV Systems”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

❖ **D.V.N.Gupta, IV EEE** Presented a paper on **“A Novel Single-Stage Buck-Boost Transformer less Inverter for Single- Phase Grid-Connected Solar PV Systems”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

❖ **V.Pratap Reddy, IV EEE** Presented a paper on **“A Novel Single-Stage Buck-Boost Transformer less Inverter for Single- Phase Grid-Connected Solar PV Systems”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-

2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

❖ **B.Anil Kumar, IV EEE** Presented a paper on **“A Novel Single-Stage Buck-Boost Transformer less Inverter for Single- Phase Grid-Connected Solar PV Systems”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

❖ **B.Ashok, IV EEE** Presented a paper on **“IOT Based Smart Energy Meter”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

❖ **M.Lakshminarayana, IV EEE** Presented a paper on **“Solar Based Grid Interconnection using Multifunctional Grid-Interactive Converters using Intelligent Controller”** In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

❖ **U.Nagur babu, IV EEE** Presented a paper on **“Line to Line & Line to Ground Fault Detection in Three-**

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Phase Transmission Line” In the second international conference on recent trends in power systems and power electronics (NEC–ICPSPE-2K22) held on 22-07-2022 & 23-07-2022 organized by department of EEE, Narasaraopeta Engineering College, Narasaraopet.

Alumni Interaction:

- ❖ The Alumni student Mr.R.Venkateswarlu (15471A0233), working as Electrical Design Engineer, Challturu Engineering and Automation, Tirupathi shared his industry experience with final year students.



- ❖ The Alumni student Mr.K.Srikanth (16475A0209) shared his language translator experience with IV B.Tech, I - Sem students on 26-10-2022.




- ❖ The Alumni student Ms.CH.Haritha (13471A0225) shared her working experience in TCS & discuss with IV EEE Students regarding the process of admission in USA and Scholarship.



Academic Toppers:




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

     					
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING I B.Tech. II Semester, EEE Toppers List (2021 Batch)					
 V. TRIVENI 21471A0230 9.00	 T.V.S.S.N.ASHOK 21471A0226 8.54	 K. VINAY 21471A0210 8.46	 VAJRALA. SRUTHI 21471A0228 8.46	 SHAIKH SHAHID 21471A0222 8.31	 Y. AKSHITHANA 21471A0231 8.23
 Y.N.D.PRASAD 21471A0202 8.15	 Y. SIREESHA 21471A0232 8.15	 K.KOTESWARA RAO 21471A0209 7.77	 SK.INKOLLU MANSOOR 21471A0221 7.46	 T.KUSUMA REDDY 21471A0225 7.46	









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

I – B.Tech II – SEM


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 NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)     					
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING					
II B.Tech. II Semester, EEE Toppers List (2020 Batch)					
					
P. NARENDRA REDDY 21475A0213 8.88	V. PRANAY NAGA SAI 21475A0230 8.53	R. KARTHIK 20471A0242 8.47	S. BHAAVANI 21475A0204 8.47	M. KESAVA KRISHNA 21475A0221 8.47	M. SUPRIYA 20471A0226 8.33
					
M. VENKATESWARA RAO 20471A0221 8.30	K. MANIKANTA 20471A0217 8.26	S. NAVEEN 21475A0237 8.26	A. BHARGAV MAHESH 20471A0202 8.12	D. BALAKRISHNA SUNDARI 21475A0220 8.12	
Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in II B.Tech. II Sem					

II – B.Tech II – SEM

 NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)     					
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING					
III B.Tech. II Semester, EEE Toppers List (2019 Batch)					
					
S. SRINIVASA RAO 20475A0253 9.33	B. MYTHILI 20475A0251 9.12	M. NAGENDRA KUMAR 20475A0254 9.12	CH. V. AMARNAH 20475A0259 9.12	K. FRANCIS 20475A0266 9.12	
					
N. SREE KEERTHI 20475A0234 9.10	B. V. SUMANTH 20475A0267 9.05	D. YAMINI 20475A0222 8.90	K. ROSHAN 20475A0223 8.90	S. V. S. KUMAR REDDY 20475A0258 8.83	
Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in III B.Tech. II Sem					

III – B.Tech II – SEM

 NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)     					
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING					
IV B.Tech. II Semester, EEE Toppers List (2018 Batch)					
					
K. TERSE SUBHASHINI 18471A0218 9.59	S. SAI PARABRAHMA 18471A0232 9.59	K. UMADEVI 19475A0232 9.59	V. SAMBHA SIVA RAO 18471A0238 9.45	M. LAKSHMINARAYANA 19475A0231 9.45	
					
SHAIK SHARUK 19475A0234 9.45	G. MOUNIKA 18471A0214 9.32	SK. SHAREEN KOWSER 18471A0231 9.32	T. NIKHITHA REDDY 18471A0234 9.32	A. PRAMOD KUMAR 19475A0204 9.32	
Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in IV B.Tech. II Sem					

IV – B.Tech II – SEM

Industrial Visits:

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

- ❖ The IV B.Tech student visited Hydro Power plant located at Srisaillam on 29-10-2022.



- ❖ The III EEE A & B students visited 765/400 kV Substation Power Grid Corporation of India Ltd, Annavaram Village, Rompicherla Md, Narasaraopet on 31-10-2022 and 02-11-2022.



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Placements:

- ❖ R.Ramya (19471A0221), IV-EEE has selected in HCL with a package of 5 LPA on 18-08-2022.

- ❖ The following students are selected in SAVANTIS SOLUTIONS with a package of 3.6 LPA.

1. K. Hemanth	(18471A0206)
2. M. S.Lidiya	(19471A2015)
3. M. Nagendra kumar	(20475A0254)
4. A. Siva	(20475A0224)
5. N. Keerthi	(20475A0234)
6. D. Yamuna	(20475A0219)

- ❖ The following students are selected in TCS with a package of 4 LPA.

1. K. Venkata Naresh	(20475A0247)
2. U. Nagur Babu	(20475A0225)
3. V. Demudu Naidu	(20475A0226)

Training programmes Organized:

- ❖ The IV B.Tech-EEE students are attended online TCSNQT training on 25-07-2022.
- ❖ The IV B.Tech-EEE students are attended online TCSNQT training from 08-08-2022 to 12-08-2022.
- ❖ The Communication Skills Program was conducted to IV – EEE students by Dr.O.Ananda from 11-10-2022 to 13-10-22
- ❖ CRT - Training Programme is conducted for for III B.Tech_EEE from 13-10-2022 to 21-10-2022 Organized by Bycexl Team.

- ❖ CRT - Training Programme is conducted for for II B.Tech_EEE from 17-11-2022 to 26-11-2022 Organized by Bycexl Team.

Alumni Voice:

The systematic approach towards imparting Education at NEC made me as a competent individual. In four years of my graduation. I faced different aspects of life. Thus 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.



18471A0218.

K.TERSE SUBHASHINI

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Student's Voice:-

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

Our department faculty so supportive & encourage me to participate in various programs like Technical Quiz, paper Presentations & Cultural activities to eliminate stage fear. NEC College provides Pradhan Mantri Yuva Yojana Programs for students to implement their ideas as an entrepreneurs.



21471A0226

T. VENKATA SAI SIVA NAGA ASHOK

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