



# NELENA

(News of Electrical Engineers Activities)

## A Half Yearly News Letter

### Department of Electrical and Electronics Engineering

PVP Siddhartha Institute of Technology

Autonomous & Permanent Affiliation to JNTUK, Kakinada

AICTE Approved, Accredited with A<sup>+</sup> grade by NAAC, NBA Accredited and

ISO 9001: 2015 certified Institution

(Sponsored by Siddhartha Academy of General and Technical Education)

Kanuru, Vijayawada- 520007

Volume: 24

January-June-2024

#### Faculty Incharge :

Dr. R.Swathi

Dr.D.Ragaleela

#### Student Coordinator:

Ms.L Vinuthna

N.Pavan (23505A0212)

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#### Quotation

"Just one small positive thought in the morning can change your whole day."

Michael

#### MOU's EXECUTED:

Department executed MOU's with the following firms during Jan-June 2024. M/s. Sai Tesla Power, Surampally Village, Gannavaram

#### FACULTY PUBLICATIONS:

#### International Journals:

1. B. Mohan, M.V. Ramesh, published a paper titled “Designing of a Wireless Charging System For Electric Vehicles” in *Journal of Theoretical and Applied Information Technology*, Vol.102. Issue No. 2, Pages:426-440, ISSN:1992-8645, 31st January 2024.
2. M. V. Ramesh, P. Muthukumar published a paper titled, “Fuzzy Logic Controlled Current-Mode Switch Mode Power Supply with Enhanced Steady State Response” in *International Journal of Intelligent Systems And Applications In Engineering*, Volume 12, Issue 4s, PP: 251-256, ISSN:2147-6799, February 2024.
3. K Bhavana, Srinivasarao Thumati published a paper titled, “An Application of Hybrid Sine Cosine Optimization for Developing Sustainable Agriculture Distribution Feeders with Optimal Photovoltaic Systems” in *International Journal of Intelligent Engineering and Systems*, Vol.17, No.1, pp. 393-402, ISSN: 2185-3118, February 2024.
4. M. Devika Rani, V. Sai Geetha Lakshmi, P. Muthu Kumar published a paper titled, “Hybrid War Strategy Optimization with Power Loss Index for Optimal VAr Compensation in Distribution Feeders with Industrial Load Growth” in *International Journal of Intelligent Engineering and Systems*, Vol.17, No.1, ISSN: 2185-3118, PP:645-653,February 2024.

5. **Gudavalli Madhavi, Vemulapalli Harika** published a paper titled, “Investigation of Cascaded 2DOF-PID Controller With Improved Invasive Weed (IIW) Technique” in *Journal of Theoretical and Applied Information Technology*, . Vol.102, ISSN:1992-8645, No 4, pp.1502-1512, 29th February 2024
6. **Lenin Kanagasabai** published a paper titled, “Novel Enriched Indus River Flow Dynamics Optimization Algorithm to solve the Electrical Energy -Active Power Loss Reduction and Voltage Stability Enhancement” in *Journal of Engineering Science and Technology Review*, Volume 17, Issue 1, , PP. 213 - 232, ISSN: 1791-2377, February 2024.
7. **Lenin Kanagasabai** published a paper titled, “Hybrid-Tayberry, Self-Help Regime, Adam’s Ale Sequence, Metoza Appetite And Barbary Falcon Search Algorithm For Real Power Loss Reduction In Electrical Transmission Network” in *Suranaree Journal of Science and Technology*, Volume 31, Number 1, pp: 010284(1-11), ISSN: 0858-849X, January - February 2024
8. **Lenin Kanagasabai** published a paper titled, “Real power loss reduction by extreme learning machine based Drongos search algorithm” in *Herald of the Bauman Moscow State Technical University, Series Natural Sciences*, Volume 112, number 1, pp. 41–62, ISSN 1812-3368, February 2024.
9. **Lenin Kanagasabai** published a paper titled, “Novel Reminiscence Inspired and Approximation Based Measurement of Mount Kailash Optimization Algorithms” in *Suranaree Journal of Science and Technology*, Volume 31, Number 1, pp: 010288 (1-10), ISSN 0858-849X, January - February 2024.
10. **Seshu Moturu** published a paper titled, “A Novel Transformer Approach for the Recompensed Measurement Generation and Accurate Topology Identification” in *Engineering Letters*, Volume 32, Issue 3, Pages 601-613, ISSN: 1816-0948, March 2024.
11. **P. Karunakar** published a paper titled, “Prediction of microstrip antenna dimension using optimized auto-metric Graph Neural Network” in *Intelligent Systems with Applications*, Volume21, PP. 200326 (1-10), ISSN: 2667-3053, March 2024.
12. **Baddu Naik Bhukya** published a paper titled, “Integrating the Internet of Things to Protect Electric Vehicle Control Systems from Cyber Attacks” in *IAENG International Journal of Applied Mathematics*, Volume 54, Issue 3, Pages 433-440, ISSN: 1992-9986, March 2024
13. **M. V. Ramesh**, published a paper titled, “Improved Skill Optimization Algorithm Based Optimal Power Flow Considering Open-Access Trading of Wind Farms and Electric Vehicle Fleets” in *International Journal of Intelligent Engineering and Systems*, Vol.17, No.2, PP. 402-411, ISSN: 2185-3118, April 2024.

14. **Lenin Kanagasabai** published a paper titled, “[Hybridized Proscopiidae –Myrmeleontidae and Pampas Fox Inspired Optimization Algorithm](#)” in *Suranaree Journal of Science and Technology*, Volume 31, number 2, PP: 010296 (1-7), ISSN: 0858-849X, April 2024.
15. **Lenin Kanagasabai** published a paper titled, “[Novel Curing Ailments Through Music Inspired Optimization Algorithm](#)” in *Suranaree Journal of Science and Technology*, Volume 31, number 2, PP: 010299(1-10), ISSN: 0858-849X, April 2024.
16. **Bala Saibabu Bommidi** published a paper titled, “[ICEEMDAN-Informer-GWO: a hybrid model for accurate wind speed prediction](#)”, in *Environmental Science and Pollution Research*, Volume 31, Issue 21, pages 34056–34081, May 2024, ISSN: 1614-7499.
17. **Moturu Seshu, Maddukuri Venkata Ramesh** published a paper titled, “[A novel PQ improvement in multi-parallel feeder distribution system using multi-convertible UPQC device](#)” in *International Journal of Applied Power Engineering (IJAPE)*, Vol. 13, No. 2, , pp. 382~395, ISSN: 2252-8792, June 2024.
18. **Lenin Kanagasabai** published a paper titled, “[Real power loss reduction by Protist and Otocyon megalotis optimization algorithms](#)” in *5t (springer)*, Volume 28, Issue 4, pages 3107–3121, ISSN: 1432-7643, February 2024, (SCIE)
19. **N. Vijaya Anand** published a paper titled, “[Optimally Tuned Gated Recurrent Unit Neural Network-Based State of Health Estimation Scheme for Lithium Ion Batteries](#)” in *IEEE Access*, vol. 12, pp. 58597-58607, ISSN: 2169-3536, May 2024. (SCIE)

#### ***International Conferences:***

1. **Lenin Kanagasabai** published a paper titled, “[Hybridization of Human Supporter Optimization with Election Process of the Indian State Inspired Algorithm for Real Power Loss Reduction in WDN Egyptian Grid](#)” in *2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE)*, 17-20 December 2023, pp. 1-6, ISBN:979-8-3503-1058-0, 31 January 2024.
2. **Lenin Kanagasabai** published a paper titled, “[Enriched Melanosuchus search Optimization and Downhill snowboarding inspired Algorithm for True Power Loss Lessening in Electrical Transmission System](#)” in *2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE)*, 17-20 December 2023, pp. 1-6, ISBN:979-8-3503-1058-0, 31 January 2024.
3. **Lenin Kanagasabai** published a paper titled, “[Chaotic Lévy Based Supportive Action of Yellow Watchman Goby - Pistol Shrimp Search and Individual Deeds Based Optimization Algorithms for Active Power Loss Lessening in Electrical Transmission System](#)” in 2023 IEEE 3rd International

Conference on Smart Technologies for Power, Energy and Control (STPEC), 10-13 December 2023, ISBN:979-8-3503-0474-9, 19 February 2024.

4. **Lenin Kanagasabai** published a paper titled, “**Quality of Electrical Power Improvement by Novel Sonoran Pronghorn Movement and Quaking Aspen Optimization Algorithms**” in 2023 IEEE 3rd International Conference on Smart Technologies for Power, Energy and Control (STPEC), 10-13 December 2023, ISBN:979-8-3503-0474-9, 19 February 2024.
5. **Lenin Kanagasabai** published a paper titled, “**North West America Mackenzie Valley Wolf Population Updating during Hunting Inspired Optimization and Quasi-Opposition Based Indian Leopard Cat Swarm Algorithm for Real Power Loss Diminution in Electrical Grid Transmission System for Smart City**” in 2023 IEEE International Transportation Electrification Conference (ITEC-India), 12-15 December 2023, pp. 1-6, ISBN: 979-8-3503-3781-5, 25 March 2024.
6. **Kumar Cherukupalli** published a paper titled, “**Coupled Inductor Based SIDO-Buck Converter with Self-Adaptive Digital PWM Control for 12V/24V On-Board Lighting and Dashboard System for 48V-EV**” in 2023 IEEE International Transportation Electrification Conference (ITEC-India), 12-15 December 2023, pp. 1-6, ISBN:979-8-3503-3781-5, 25 March 2024
7. **M. Hemanth Sai** published a paper titled, “**Lemurs Algorithm for Optimal Location and Sizing of Distributed Generation in Electrical Distribution Network**”, in IEEE 2024 Third International Conference on Power, Control and Computing Technologies (ICPC2T), 18-20 January 2024, pp. 1-6, ISBN:979-8-3503-4921-4, 25 March 2024.
8. **Lenin Kanagasabai** published a paper titled, “**Enhanced African Queen Meliponula bee Mating Optimization Algorithm for Active Power Loss Diminution in Transmission System**” in *6th 2024 International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE)*, IEEE, 29 February 2024 - 02 March 2024, pp. 1-5, ISBN:979-8-3503-8289-1, 09 April 2024.
9. **Lenin Kanagasabai** published a paper titled, “**Active Power Loss Lessening and Voltage Stability Enhancement by Hybrid Parenting Optimization-Wealthy and Poverty-Stricken Inspired Algorithm**”, *6th 2024 International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE)*, IEEE, 29 February 2024 - 02 March 2024, Moscow, Russia Federation, ISSN: 2831-7262, ISBN:979-8-3503-8289-1, DOI: [10.1109/REEPE60449.2024.10479826](https://doi.org/10.1109/REEPE60449.2024.10479826), 09 April 2024, pp. 1-5 (**Scopus Indexed**).
10. **M. Devika Rani, Durga**, “**Model Based Design of Electric Vehicle Propulsion System Using Simulink**”, in IEEE Bangalore section, 3rd International Conference for Innovation in Technology (INOCON 2024), 1-3 March 2024, pp. 1-8, ISBN:979-8-3503-8193-1, 06 May 2024.

### **Books Published:**

1. Dr. Ch. Padmanabha Raju published a book chapter titled, “[Energy Optimization in Micro-Grid](#)”, Conference Proceedings International Conference on Emerging Advances and Applications in Green Energy (ICEAAGE-2024), published by the Department of Electrical and Electronics Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada, Andhra Pradesh, India, PP: 149-157, ISBN : 978-93-6128-558-5, 29<sup>th</sup> February 2024.
2. D. Ragaleela published a book chapter titled, “[Development And Performance Observation Of Battery Electric Vehicle](#)”, Conference Proceedings International Conference on Emerging Advances and Applications in Green Energy (ICEAAGE-2024), published by the Department of Electrical and Electronics Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada, Andhra Pradesh, India,, PP: 184-190, ISBN : 978-93-6128-558-5, 29<sup>th</sup> February 2024.

### **PROGRAMMES ORGANIZED:**

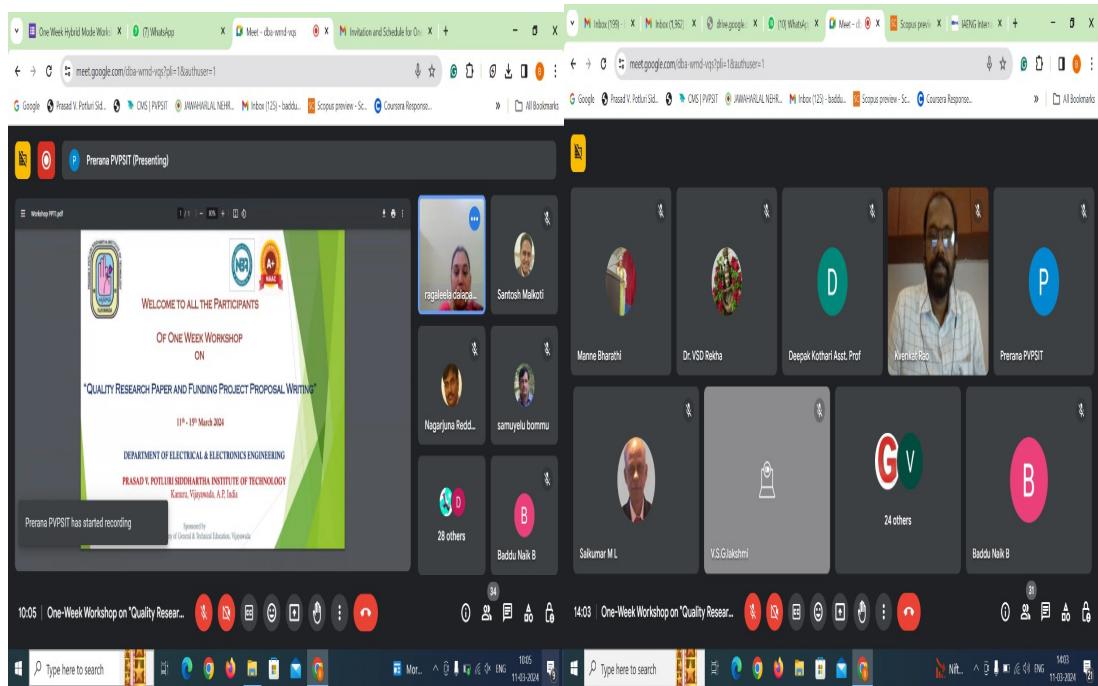
1. The department of Electrical and Electronics Engineering in association with ME & CE organized a seminar to II B.tech EEE on “[Technical Aspects in execution of Mega projects](#)” by sri Y. Vijaya Kumar, former head operations, Tata Projects Limited and former head, Mechanical, L&T constructions limited on 23rd February 2024.
2. The department of Electrical and Electronics Engineering in Association with Entrepreneurship Development Cell has conducted a guest lecture on “[Motivations to Engineers and Engineering Practices in Industry](#)” to faculty & III B.Tech EEE students 2024 by Mr. M.Narayana Prasad, M.D., Narayana Prasad electrical works, Vijayawada and Vizag, on 23rd February.
3. The department of Electrical and Electronics Engineering has conducted a guest lecture on “[Cyber Crimes in Online Gaming and Financial Transactions](#)” to faculty, II & III B.Tech EEE students by Mr. A.S.Venkata Bala Krishna, BranchManager, Chaitanya Godavari Bank, Eluru, on 24th February 2024.



4. The department of Electrical and Electronics Engineering has conducted a guest lecture on "[Overview on recent trends in Electrical Engineering](#)" to faculty, & III B.Tech EEE students by Dr. Sankar Peddapati, Assistant Professor, NIT Andhra Pradesh, on 2nd March 2024.



5. The department of Electrical and Electronics conducted a one week workshop on "[Quality Research Paper and Funding Project Proposal Writing](#)" in online mode, from 11th to 15th March, 2024.



6. Hardware model exhibition of IV B.Tech students was organized on 22.04.2024 (Monday) at Electrical Measurements Lab Room No: 133. Total 25 hardware models were demonstrated and submitted in working condition.



Vijayawada, Andhra Pradesh, India  
FMQV+6MH, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India  
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Long 80.693275°  
22/04/24 10:44 AM GMT +05:30



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Long 80.693275°  
22/04/24 10:44 AM GMT +05:30

7. The department of Electrical and Electronics Engineering has conducted a Training Program on “**AC & DC Servomotors**” to all the technicians on 17th May 2024 by Mr.Rajesh, Technical Assistant, Vimicro Systems, chennai.



8. The department of EEE conducted Three days training program on “[Installation and Erection of 500 kVA Distribution Transformer](#)” by N. Ajay Kumar Project Engineer, Narayana Prasad Electrical Works Vijayawada, Andhra Pradesh for EEE Technicians from 24th to 27th May, 2024.



### **PROGRAMMES ATTENDED BY STAFF (SEMINARS / GUEST LECTURES / WORKSHOPS):**

#### **a) Seminars/Webinars:**

1. **Ragaleela Dalapati Rao, B.Baddu Naik, M.Hemanth Sai and B.Bala Saibabu** attended a one day Webinar on “[AI in Electrical Power Systems](#)” organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, on 07<sup>th</sup> January, 2023.
2. **Dr. B. Baddu Naik** attended a one day webinar on “[Intellectual Property Rights](#)” organized by the Controller General of Patents, Designs, and Trade Marks (CGTDR), Government of India on 31<sup>st</sup> January 2023.
3. **Dr. C. Kumar** has participated in 5 days International seminar on “[Electric Vehicles-Exploring Inside The Box](#)”, organized by the department of EEE, SRM Institute of Science & Technology, Ramapuram campus, Chennai from 30<sup>th</sup> January to 3<sup>rd</sup> February 2023.

4. Dr N.Vijaya Anand attended a one day webinar on “Research and Development cell: Fostering the Research Eco-System in HEI’s”, organized by university grants commission on 2<sup>nd</sup> February 2023.

**b) Workshops:**

1. K.Bhavana, T.Srinivasa Rao and M.Hemanth Sai attended Self-Sponsored One week Workshop on “Building Energy Management using IOT” Organized by Department of Energy and Environment, National Institute of Technology Tiruchirappalli, from 5th -9th February 2024.
2. Dr.R.Swathi, J.Hemalatha, G.Madhavi and V.Harika attended a one week INDO-US International Workshop “IOT and ML based microgrid and energy management “organized by Electrical and Electronics Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad during 19th to 23rd February 2024
3. Dr N.Vijaya Anand attended a two day National Workshop on “Real Time Simulation of Electrical Systems” in association with OPAL-RT Technologies India Pvt Ltd Bangalore, organized by Electrical and Electronics Engineering, University college of Engineering, Science & Technology Hyderabad during 27<sup>th</sup> to 28<sup>th</sup> February 2024.
4. Dr. K. Lenin successfully completed E-Workshop on “Electrical Design of Advanced VLSI and Communication Systems” Technically Co-Sponsored by IEEE Delhi Section VTS Chapter, IEEE Delhi Section ComSoC Chapter, Organized under Scientific Social Responsibility (SSR) Policy of SERB Organized by Department of Electronics and Communication Engg, National Institute of Technology Hamirpur (HP), India, 26th February, 2024 to 01st March, 2024.
5. M.Seshu participated in a workshop titled “The digital leap in learning GENAI tools for academic empowerment” organized by the R&D cell in association with IQAC PVPSIT on 02th March, 2024.
6. Dr.C.Kumar, Dr.N.Vijaya Anand, J.Hemalatha, Dr.R.Swathi, K.Bhavana, V.Sai Geetha Lakshmi, G.Madhavi, B.Mohan, T.Srinivasa Rao, M.Devika rani, P.Karunakar, V.Harika attended one week workshop on " Quality Research Paper and Funding Project Proposal Writing" online mode organized by EEE department, PVPSIT, from 11th to 15th March, 2024.
7. EEE department faculty attended a one week workshop on "Quality Research Paper and Funding Project Proposal Writing" in online mode organized by, department of Electrical and Electronics Engineering, PVPSIT, from 11th to 15th March, 2024.

**c) STTP/STCs:**

1. Dr. C. Kumar participated in online mode short term course and Faculty Development Programme on “Applications of Machine Learning Techniques in Sustainable Technologies (AMLST-2024)” organized by the department of computer science and engineering and electrical engineering, National Institute of Technology Rourkela, Odisha from 24 to 28<sup>th</sup> January, 2024.

2. **K.Bhavana** attended one week short term course on “[Optimization and Control Design Techniques Innovations and Challenges, OCDT-2024](#)” organized by Department of Instrumentation and Control Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab from 25 to 29<sup>th</sup> January, 2024.
3. **Dr. K. Lenin** Successfully completed one week short term course on “[Enabling Power Electronics Technologies for EVs Ecosystem](#)” Organized By Department of Electrical Engineering National Institute of Technology, Uttarakhand Srinagar Garhwal- 246174 (Uttarakhand), Bharat, 05 to 09<sup>th</sup> February, 2024.
4. **V.Sai Geetha Lakshmi, M.Devika Rani** participated in 5 Day Short-Term Course on “[Artificial Intelligence and Machine Learning Techniques for Engineering Applications-Theory and Practice](#)”, organized by the Department of Electrical and Electronics Engineering, NIT Puducherry, India from 26th February to 1<sup>st</sup> March 2024.
5. **B. Mohan and M.Seshu** participated and completed the AICTE Sponsored Online Short Term Training Program (STTP) on Research Paper Writing & Publishing in High Impact Journals organized by the National Institute of Technology Nagaland, from 26<sup>th</sup> February, 2024 to 1<sup>st</sup> March, 2024.
6. **B. Mohan and M.Seshu** attended One Week Short Term Training Program (Hybrid Mode) on “[AI Techniques in Electrical Systems](#)” organized by EEE Department ,Bapatla Engineering College Bapatla, Andhra Pradesh, India, from 15<sup>th</sup> to 20<sup>th</sup> April, 2024.
7. **Dr. K. Lenin**, successfully completed “[7-Days Self-Sponsored Hybrid Mode Short-Term Course on Hands-On Machine Learning for Biomedical Signal Processing,](#)” organized by the Department of EEE at Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior, MP. (self - sponsored), from June 24<sup>th</sup> to 30<sup>th</sup> June, 2024.

**d) Faculty Development Programmes:**

1. **J. Hemalatha, Dr. R. Swathi, G. Madhavi and V. Harka** attended a one day faculty development program on Practical Implementation of Artificial Intelligence & IoT in Engineering Solutions on 25<sup>th</sup> January, 2024 Organized by Department of Electronics and Communication Engineering, PVPSIT, Vijayawada in association with Physitech Consultancy Services Pvt. Ltd.
2. **J. Hemalatha** attended a one week FDP on “[AI/ML and Data Science for Industry 4.0 \(Intermediate Level \)](#)” organized by the Department of Computer Science and Engineering Department, NITTTR, Chandigarh during 29<sup>th</sup> January, 2024 to 2<sup>nd</sup> February, 2024.

3. **Dr. B. Baddu Naik** Participated in the AICTE Recognized Faculty Development Programme on “Outcome Based Curriculum Development” Conducted by Curriculum Development Centre Department NITTTR, Chandigarh from 29<sup>th</sup> January, 2024 to 2<sup>nd</sup> February, 2024.
4. **M.Devika Rani** has completed One Week Faculty Development Programme/Short Term Training Programme on “Cloud Computing and HPC” Conducted by Department of Computer science and Engineering, NITTTR Kolkata from 5<sup>th</sup> to 9<sup>th</sup> February 2024.
5. **Dr. C. Kumar** participated in a one day National level faculty development programme on “RESEARCH FUNDING OPPORTUNITIES”, organized by Research and Development Cell, ACE Engineering College, Hyderabad held on 14th February 2024.
6. **B. Mohan and M.Seshu** attended a one-week FDP on “Looping Technologies for Sustainable Power and Hydrogen Production” organized by the Department of Chemical Engineering, NIT Warangal, Telangana, India from 12<sup>th</sup> to 16<sup>th</sup> February 2024.
7. **V.Sai Geetha Lakshmi** attended one week Faculty Development Programme on Big Data Applications in Electrical Engineering Conducted by Electrical Engineering Department, NITTTR, Chandigarh from 20<sup>th</sup> to 24<sup>th</sup> February, 2024.
8. **M.Devika Rani** has attended a one week faculty development programme on “Fundamentals of Machine Learning” organized by NITTTR Kolkata from 11<sup>th</sup> to 15<sup>th</sup> March, 2024.
9. **Dr.N.Vijaya Anand and B.Bala Sai Babu** has completed a NPTEL 12-week FDP on “Problem Solving through Programming in C” conducted by IIT Kharagpur during Jan to April 2024.
10. **Dr. C. Kumar, J. Hemalatha, G.Madhavi, V.Harika** actively participated in the 5-Day Online Faculty Development Program on “Unlocking Innovation: Exploring Intellectual Property Rights” organized by P V P SIDDHARTHA INSTITUTE OF TECHNOLOGY & P. B. SIDDHARTHA COLLEGE OF ARTS & SCIENCE from 16th to 21<sup>st</sup> May, 2024.
11. **M.Seshu and B.Bala Sai babu** participated in the Five-Day Faculty Development Program on “Advancing Power Grid Operations: Integrating Renewable Sources and EVs at scale” organized by SR University Warangal in association with Center for Emerging Energy Technologies from 20<sup>th</sup> to 24<sup>th</sup> May 2024.
12. **J. Hemalatha, G. Madhavi, V. Harika** actively participated in the Online Faculty Development Programme on “Entrepreneurial Perspectives on Green Energy and Electric Vehicle Innovation” organized by Department of EEE, Shri Vishnu Engineering College for Women (Autonomous) held during 21st to 26<sup>th</sup> May, 2024.

13. **V. Sai Geetha Lakshmi** actively participated in the 5-Day Online Faculty Development Program on “AI and Data Analytics Applications in Power Systems” organized by Department of Electrical Engineering, National Institute of Technology Hamirpur, (H.P.), India, from 3<sup>rd</sup> to 7<sup>th</sup> June 2024.
14. **J. Hemalatha, G. Madhavi and V. Harika** participated in one week Faculty Development Program on “Sustainable Power Generation and Advanced Electrical Systems: New Horizons”, organized by SR University, Warangal, from 3<sup>rd</sup> to 7<sup>th</sup> June 2024.
15. **Dr. M. V. Ramesh, Dr N. Vijaya Anand, Dr. D. Ragaleela, M. seshu and B. Bala Saibabu** Participated in Five- Day Online FDP on “Recent Trends in Renewable and Electric Vehicle Technologies” Organized by Department of Electrical and Electronics Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR (Dt.), A.P. from 3<sup>rd</sup> to 7<sup>th</sup> June, 2024.
16. **Dr N. Vijaya Anand** has completed the NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission Organized by Malaviya Mission Teacher Training Centre, Coimbatore Institute of technology Coimbatore from 10<sup>th</sup> to 19<sup>th</sup> June, 2024.
17. **G. Madhavi** has completed the NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME under Malaviya Mission Teacher Training Programme(MM-TTP) of University Grants Commission Organized by Malaviya Mission Teacher Training Centre, National Institute of Technology Warangal from 24<sup>th</sup> to 2<sup>nd</sup> July, 2024.

**e) Guest Lectures:**

1. EEE department faculty attended a guest lecture on “[Motivations to Engineers and Engineering Practices in Industry](#) ” to faculty & III B.Tech EEE students 2024 by Mr. M. Narayana Prasad, M.D., Narayana Prasad electrical works, Vijayawada and Vizag, on 23rd February.
2. EEE department faculty attended a guest lecture on “[Cyber Crimes in Online Gaming and Financial Transactions](#)”, by Mr. A.S. Venkata Bala Krishna, BranchManager, Chaitanya Godavari Bank, Eluru, on 24th February 2024.
3. EEE department faculty attended a guest lecture on “[Overview on recent trends in Electrical Engineering](#)” to faculty, & III B.Tech EEE students by Dr. Sankar Peddapati, Assistant Professor, NIT Andhra Pradesh, on 2nd March 2024.

## **FACULTY ACHIEVEMENTS“**

The following list of faculty enrolled and certified in Coursera / uLektz /NPTEL Online Course during January- June 20

1. **B. MOHAN** successfully completed a 6-week Coursera course on “[Electric Vehicle and Mobility](#)”, conducted by Ecoledes ParisTech on 30th Jan 2024.
2. **M.Seshu** successfully completed a 6-week Coursera course entitled, “[Electric Vehicles and Mobility](#)” organized by École des Ponts ParisTech and offered through Coursera on 19th February, 2024.
3. **M.Devika Rani** has successfully completed an 8-week course on “[Introduction to Soft Computing](#)” NPTEL online certification conducted by IIT Kharagpur with a score of 58% Jan to March 2024.
4. **M.Hemanth Sai** has completed a 12-week course on “[Programming In Java](#)” NPTEL online certification conducted by IIT Kharagpur with a score of 51% during Jan to April 2024.
5. **B.Bala Sai Babu** has completed a 12-week course on “[Problem ZSolving through Programming in C](#)” NPTEL online certification conducted by IIT Kharagpur with a score of 75% during Jan to April 2024.(Top 5%)
6. **Dr.N.Vijaya anand** has completed a 12-week course on “[Problem Solving through Programming in C](#)” NPTEL online certification conducted by IIT Kharagpur with a score of 62% during Jan to April 2024.
7. **G.Madhavi** has completed a 12-week course on “[Matlab Programming for Numerical Computation](#)” NPTEL online certification conducted by IIT Madras with a score of 79% during Jan to April 2024.
8. **J. Hemalatha** completed a 12-week course on “[Microprocessors and Interfacing](#)” NPTEL online certification conducted by IIT GUWAHATI with a score of 77% during Jan to April 2024.
9. **Dr.R.Swathi** has completed a 12-week course on “[Microprocessor and Interfacing](#)” NPTEL online certification conducted by IIT Guwahati with a score of 56% during Jan to April 2024.
10. **Dr. C. Kumar** has successfully completed the 6 weeks course “[Crash course on Python](#)” an online non- credit course authorized by Google and offered through Coursera with a score of 95.5% on 31st May 2024.

11. **P. Karunakar** successfully completed the 6 weeks edX course “[CSX0001: Computer Science 101](#)” offered by Stanford Online, an online learning initiative of Stanford University with a score of 96% on June 8th, 2024.
12. **V. Sai Geetha Lakshmi** successfully completed the course 7 weeks “[Python Data Structures](#)” an online non-credit course authorized by University of Michigan and offered through Coursera with a score of 97.6% on June 24th, 2024.

### **FACULTY INTERACTION WITH OUTSIDE WORLD:**

1. Dr. Ch.Padmanabha Raju acted as judge for technical paper presentation, event of LAKSHYA-2K24, 17th National level Technical and cultural Fest held on 1st march 2024 at Lakkireddy Balireddy college of Engineering, Mylavaram.
2. Dr.K.Lenin acted as reviewer for 2nd International conference on computer, Electronics and Electrical Engineering and their applications, organized by NIT Uttarakhand during 6th to 7th June 2024.

### **STUDENT PARTICIPATION:**

#### **a) Co-curricular Activities:**

1. **V. Manbhushan Vikas(21501A0286), P.Sandeep (21501A0266)** participated in “ELECTRIC IQ” event at Vidyut Tarang-2K24 a National level technical, cultural and sports fest held on 16-02-2024 organized by the Department of EEE, at RVR & JC College of Engineering, Chowdavaram, Guntur and Secured **Second Place**.
2. **T.Prem Kumar ((21501A0281) and T.Vijaya Naga Durga (21501A0282)** participated in “ELECTROVISTA” event at Vidyut Tarang-2K24 a National level technical, cultural and sports fest held on 16-02-2024 organized by the Department of EEE, at RVR & JC College of Engineering, Chowdavaram, Guntur and Secured **First Place**.
3. 28 students participated in the event, “AFOSEC-2024” conducted by VRSEC held on 28<sup>th</sup> February, 2024.
4. 61 Students participated in National level technical, cultural and sports fest held on 16-02-2024 organized by the Department of EEE, at RVR & JC College of Engineering, Chowdavaram, Guntur
5. 6 Students of EEE participated in “LAKSHYA 2k24”, Orgainzed by Lakireddy Balireddy College of Engineering held on 1<sup>st</sup> March 2024.

6. 21 II and III B.Tech EEE Students participated in “GREEN GYAN” (SEMINAR) SITAR 2k24, organized by PVP Siddhartha Institute of Technology on 6<sup>th</sup> March 2024.
7. 100 B.Tech EEE Students participated in “TECHNICAL QUIZ” SITAR 2k24, organized by PVP Siddhartha Institute of Technology on 6<sup>th</sup> March 2024.
8. III B.Tech S1 students participated in one day workshop on “Start up Eco System & Entrepreneur skills” on 23rd January 2024 conducted by IIC & MBA department, PVPSIT.

**b) Extra-curricular Activities:**

1. Conducted a Cultural Weekend Program for EEE students on 27-01-2024. A total of 25 II, III and IV B.Tech EEE students participated in 13 various cultural events.
2. 10 Students of EEE participated in “WESTERN DANCE” on the occasion of SITAR 2k24, organized by PVP Siddhartha Institute of Technology on 6<sup>th</sup> March 2024.
3. **JANGALA YASWANTH(21501A0233) & GUNTURU KOUSHIK KRISHNA(21501A0230)** participated in “WESTERN DANCE” event at SITAR-2K24 a National level techno cultural fest held on 6-03-2024 organized by the PVP Siddhartha Institute of Technology, Vijayawada and Secured **Third** Place.

**Coursera/NPTEL Details of the students:**

- The students of EEE completed 14 NPTEL certification courses conducted by IIT Kharagpur & IIT Madras.
- The students of EEE completed 6 Infosys Springboard certification courses.

**PLACEMENTS**

<b>S.No.</b>	<b>Roll.No.</b>	<b>Studentname</b>	<b>Company</b>
1	20501A0201	Abdul Parveen	RinexTechnologies
2	20501A0202	Ainaparthi Praveen Babu	TVSSFL
3	20501A0204	Appikatla Naveen	SURYATECH SOLUTIONS TVSSFL TEACHNOOK
4	20501A0205	Avula Ravikumar	SURYATECH SOLUTIONS Skillwinner
5	20501A0206	Badugu Yamini	Skillwinner
6	20501A0207	Bella Pusuma	AvalIntern
7	20501A0208	BEROTULA LAVANYA	Mssquare Technologies
8	20501A0209	Bhimani Keerthi Priya	TEACHNOOK
9	20501A0211	Chalamalasetty Mahathi	Academor
10	20501A0213	Chekuri Haritha	ACCENTURE
11	20501A0214	Chittibomma Benhar Sai Gowd	ACCENTURE

12	20501A0215	Danaboyina Srividya	TEACHNOOK
13	20501A0216	Dasari Priyanka	Skillwinner
14	20501A0217	Devarakonda Karthik	SURYATECH SOLUTIONS
			AvalIntern
			TVSSFL
15	20501A0219	Ganta Madhavalaksh Mansai	ACCENTURE
16	20501A0220	Gudipudi Aneesha	RinexTechnologies
17	20501A0222	GUNDIMEDA RAGHAVENDRA	SURYATECH SOLUTIONS
18	20501A0224	KAMBHAMPAKARTHIK	SURYATECH SOLUTIONS
			TVSSFL
19	20501A0225	Karanam Naveen	TVSSFL
20	20501A0226	Kattaven Katasaicharan	SURYATECH SOLUTIONS
21	20501A0227	Kodali Kiran	SURYATECH SOLUTIONS
22	20501A0229	KOLAPALLIYASWANTH	SURYATECH SOLUTIONS
			Technologics
			TEACHNOOK
			TVSSFL
23	20501A0230	Kolaventi Jasmine	RinexTechnologies
24	20501A0231	Kollu Ashokramji	TVSSFL
25	20501A0232	Komara Prathyusha	ACCENTURE
26	20501A0233	Konala Vamsibabu	SURYATECH SOLUTIONS
			TVSSFL
27	20501A0234	Kopparthi Chinnisivakumar	TVSSFL
28	20501A0235	Korada Pratyusha	ACMEGRADE TEACHNOOK
29	20501A0236	Kote Keerthi	ACCENTURE
30	20501A0237	Kudumula Sandeepkumar	Academor
31	20501A0238	KUNCHALA NEERAJRAJU	SURYATECH SOLUTIONS
32	20501A0240	Kundeti Durgasrinivas	TVSSFL
33	20501A0241	Kuppakula Nandini	Academor
34	20501A0243	Madu Lohitha	Technologics
35	20501A0244	Makanisai Anvesh	TVSSFL
36	20501A0245	MANIKONDA AKHIL	SURYATECH SOLUTIONS
			TVSSFL
37	20501A0246	Maringantisvsnr Yashoda	ACCENTURE
38	20501A0247	MARTHINENI RITHWAK	TEACHNOOK
			ACCENTURE
39	20501A0248	Medapalli Alekhya	ACCENTURE
40	20501A0249	MEDISETTI KAVYA	TEACHNOOK

			RinexTechnologies
41	20501A0250	MENDU KAVYA	Skillwinner
			AvalIntern
42	20501A0251	Mohammed Quadeer Pasha	TVSSFL
43	20501A0253	Muraharisetty Akshaya	ACCENTURE
44	20501A0254	NADELLAKHYATHI PRIYA	ACCENTURE TEACHNOOK
45	20501A0255	NAGAMOTU PAVAN	RinexTechnologies
46	20501A0256	Narisettinaga Sowmya	TEACHNOOK
47	20501A0257	NEDHURI LASKHMISAI	SURYATECH SOLUTIONS AvalIntern TVSSFL
48	20501A0258	PAILA LOKESH	SURYATECH SOLUTIONS
49	20501A0259	PAILA SHIVAJI	SURYATECH SOLUTIONS TVSSFL
50	20501A0261	PALLE ANIL	TVSSFL TEACHNOOK ACMEGRADE
51	20501A0262	Pappula Suryadeepak	TVSSFL
52	20501A0263	Pedapalli Suryaprathap	SURYATECH SOLUTIONS
53	20501A0264	Pedasana Gantishyam	SURYATECH SOLUTIONS
			TVSSFL
			TEACHNOOK
54	20501A0265	Pohanarao Padmavathi	ACCENTURE
			SURYATECH SOLUTIONS
55	20501A0266	Polipalli Mohankrishna	ACCENTURE
56	20501A0267	Polipilli Phanisankarganesh	Academor
57	20501A0268	Potu Ananya	Prathipati Guruyaswanth
58	20501A0269	Raminen Ivarsha	TVSSFL
59	20501A0270	REVALLADHA NADIVYA	ACMEGRADE
60	20501A0273		Skillwinner
			AvalIntern
61	20501A0274	SADHUEVI PRASAD	SURYATECH SOLUTIONS
			RinexTechnologies
62	20501A0275	Sagilipaul Samuel	TVSSFL
63	20501A0276	Samudrapu Gayathri	AvalIntern
			TEACHNOOK
64	20501A0277	Shabberalishaik	TVSSFL
65	20501A0278	Shaikashraff Sohail	SURYATECH SOLUTIONS
			TVSSFL

66	20501A0279	Shaikirfan	AvalIntern
			TVSSFL
67	20501A0280	Shaikmaqbulkhana	SURYATECH SOLUTIONS
			Academor
68	20501A0281	Siramdasuteja	TVSSFL
69	20501A0282	Sorapallisrujana Manaswini	TEACHNOOK
			RinexTechnologies
70	20501A0283	Srimaththirumalapeddinti Venkat Madhukumar	ACCENTURE
71	20501A0284	SUNKA RAMOHANKRISHNA	SURYATECH SOLUTIONS
72	20501A0285	Sunkari Aravind	TVSSFL
73	20501A0287	Tanneru Mahendra	ACCENTURE
74	20501A0288	Tativartha Lanagaraju	ACCENTURE
75	20501A0289	Tullimilli Syamili	RinexTechnologies
76	20501A0290	Vakkala Gaddaudaykiran	SURYATECH SOLUTIONS
			TVSSFL
77	20501A0292	Varada Ganesh	SURYATECH SOLUTIONS
78	20501A0293	Velamarthi Swaroopraj	SURYATECH SOLUTIONS
79	20501A0295	Venna Santhoshkumar	SURYATECH SOLUTIONS
80	20501A0296	Vipparlavenkata Sravani	RinexTechnologies
81	20501A0297	Vuyyuruveeravenkata Satyasai	Skillwinner
			AvalIntern
82	20501A0298	Yallaboyina Satish	ACCENTURE

83	20501A0299	Yanduru Lokesh Sivasai Manikanta Karthik	SURYA TECH SOLUTIONS TVSSFL
84	20501A02A1	Yelluri Giriprasad	TEACHNOOK TVSSFL
85	20501A02A2	Yerupalli Raviteja	TVSSFL
86	21505A0201	Bandaru Manikanta	ACCENTURE
87	21505A0203	Eddu Lavanya	Skillwinner Avalntern
88	21505A0204	Gadesiva Nagadurgaadhiyka	TEACHNOOK
89	21505A0205	Gundeboyina Durgabhavani	Academor
90	21505A0206	Janadurga Prasad	TVSSFL
91	21505A0207	Jubburi Prasanthkumar	RinexTechnologies TVSSFL
92	21505A0209	Kasani Srujangowd	TEACHNOOK
93	21505A0211	Kuppaldindivardhan	TVSSFL TEACHNOOK
94	21505A0213	Lingampallivinuthna	ACMEGRADE
95	21505A0214	Nakka Sudharsanarao	SURYATECH SOLUTIONS TEACHNOOK TVSSFL
96	21505A0216	Papasanipurija Gannathreddy	TVSSFL
97	21505A0217	Perumalla Sravya	TEACHNOOK
98	21505A0218	Ponugumatinii Harika	ACCENTURE
99	21505A0219	Pulimaddina Diya	TEACHNOOK
100	21505A0220	Pusunuru Meghana	Movate TEACHNOOK
101	21505A0221	Pydipati Rahul	ACCENTURE
102	21505A0222	Ryali Avinash	ACCENTURE
103	21505A0224	Tatipamu Lachakrapani	SURYATECH SOLUTIONS TVSSFL
104	21505A0223	Sangadi Rupeshsai	TVSSFL
105	21505A0225	Tokala Nagaraju	ACCENTURE

#### INDUSTRIAL VISITS:

- III B.Tech students of Electrical and Electronics Engineering visited Dr. NTPPS Ibrahimpatnam on 20.01.2024.

#### INTERNSHIPS:

- 121 students of IV B.Tech. (EEE) underwent internship from 19-12-2023 to 23-03-2024 for 240 hours organized by SkillDzire in collaboration with Andhra Pradesh State Council of Higher Education.
- 16 students of IV B.Tech underwent internship from 20-12-2023 to 25-03-2024 at National Institute of Technology, Andhra Pradesh.
- 189 students of III B.Tech.and II B.Tech (EEE) underwent internship from 21-04-2024 to 13-07-2024 in the companies listed below.

1	AICTE-Eduskills
2	Andhra Pradesh Central Power Distribution Corporation Limited.
3	Bharat Electronics Limited (BEL)
4	BIST Technologies Private Limited
5	Brain O Vision solutions India private limited
6	Corizo
7	DevSkillHub
8	EI SYSTEMS
9	Kodacy
10	Motion Cut
11	MSME - Tool Room(Central Institute of Tool Design)
12	Power Electronical, Nashik
13	POWER PLANT ENGINEERING WORKS,Visakhapatnam
14	Rashtriya Ispat Nigam Limited,Visakhapatnam Steel Plant
15	SkillDzire
16	Slash Mark in Collaboration with AICTE
17	South Central Railway, Vijayawada
18	Sri Savitr Solar Private Limited, Hyderabad
19	Andhra Pradesh Transmission Corporation Limited

### Other:

- 14 students of Sri Durga Malleswari mahila Kalasala did their internship under the guidance of Dr.Ch.Padmanabha Raju, Dr.C.Kumar and Dr.M.V.Ramesh during May 2024 to June 2024
- EEE organized a Value added course on “Computational Thinking for Problem Solving - I” for II B.Tech Students from 12-02-2024 to 16-02-2024, 11-03-2024 to 16-03-2024 and 01-04-2024 to 06-04-2024.

3. EEE organized a Value added course on “Computational Thinking for Problem Solving - II” for III B.Tech EEE Students from 01-12-2023 to 17-02-2024.

Electrical and Electronics Engineering