



Kongunadu

College of Engineering & Technology
[Autonomous]

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai, Accredited by NBA(CSE,ECE,EEE), Accredited by NAAC with B++ Grade, Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution)

Namakkal - Trichy Main Road, Tholurpatti (Po), Thottiyam (Tk), Trichy (Dt) - 621 215.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KNCET ELECTRUM

Department Advisory Committee

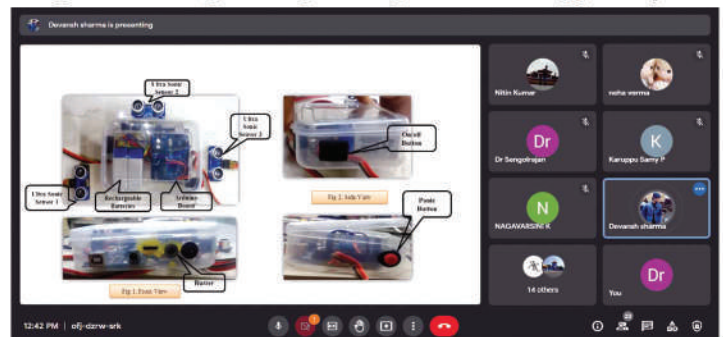
The department advisory committee for the Even Semester of the academic year 2021-22 held on 16.02.2022 through online Google Meet. Dr.PSK.R.Periaswamy, Chairman, Kongunadu Institutions, Dr.R.Asokan, Principal, Dr.J.Yogapriya, Dean (R&D), Dr.P.Ponnambalam, ASP/EEE, VIT University, Vellore as Academic Expert Member, Mr.G.Pravin Babu, Senior Solution Specialist, ABB Power Technology Services Private Limited, Chennai as Industry Expert, Ms.G.Vinothini, QA Associate, Expleo Solutions Limited, Chennai as alumni representee, Mrs.J.Savari Packia Mary, Assist (Admin office), St.Micheal College of Engineering and Technology, Madurai as Employers/Stakeholders nominee, Student nominees of II, III & IV year, Dr.P.Arul, CoE and Professor/EEE as Chairperson, Dr.R.Shankar, HoD & Professor/EEE as Programme Co-ordinator, Dr.T.Sengolrajan, ASP/EEE and other senior faculty members were involved in addressing and reviewing the Assessment method for attainment of Programme Specific Outcomes and Programme Outcomes.

Common Activities

• Inter-Department Talent Show & 24-Hours Hackathon "Electroblitz-2022" was organized on 18th & 19th March 2022. The chief guest was Thiru V.A.Subramaniam, Director, Tamilnadu Banana Producer Company Ltd, Thottiyam and Thiru.K.Marimuthu, Managing Partner, Aranya Health Care, Trichy.



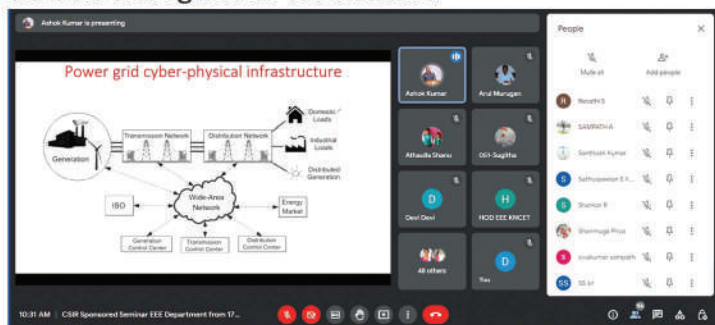
• Sixth National Conference on "Electrical Power and Energy Systems (EPES- 2022)" was organized on 9th April 2022. The chief guest was Dr.K.Amudha, Associate Professor, Department of Electronics and Communication Engineering, Kongunadu College of Engineering and Technology, Trichy.



❖ Mini Project Expo for even semester 2021-2022 was conducted for internal participant on 17th June 2022. Dr.M.Dharmalingam, Professor & Head, Department of Electronics and Communication Engineering keenly examined the student's projects and appreciated for their creative and innovative skills.



❖ Council of Scientific & Industrial Research (CSIR) Sponsored Two Days National Level Seminar (Virtual mode) organized on “Introduction to Cyber Security Issues and Unit Commitment Problems in Power System” on 17th & 18th June 2022. Dr.L.Ashok Kumar, Professor/EEE, PSG College of Technology, Coimbatore and Mrs.A.Sheela, Associate Professor & Head/EEE, Kongu Engineering College, Erode were the chief guest for the sessions.



❖ Programme Conducted by the Department

❖ (Workshop / Seminar/ Guest Lecture / Training / Webinar/ Others)

- Webinar on ‘Energy management and auditing’ was organized on 30th December 2021. The resource person was Dr.K.Dhayalini, Professor and Head, Department of Electrical and Electronics Engineering, K.Ramakrishnan College of Engineering, Samayapuram, Tiruchirappalli.

- Webinar on ‘Impacting the Future Development in IoT’ was organized on 31st December 2021. The resource person was Er.G.Gokul, Programmer, SRM Technologies Pvt Ltd, Chennai.

- Guest Lecture on ‘Recent Trends in Artificial Intelligence and its Applications’ was organized on 5th January 2022. The resource person was Dr.A.Athif Shah, Chief Executive Officer, ABE Intelligence Groups, Ashok Nagar, Chennai.



- Webinar on ‘Embedded Systems Development and its Applications’ was organized on 29th January 2022. The resource person was Mr. Shamir Basha Shamsudeen, Embedded Design Engineer, RAACTs- RAAJ Consulting and Technology services, Trichy.

- Webinar on ‘Analysis of Control Methods in BLDC Drive for Various Applications’ was organized on 08th March 2022. The resource person was Dr.R.Ganesan, Assistant Professor, Department of Electrical and Electronics Engineering, R.V.S College of Engineering and Technology, Coimbatore.

- Webinar on ‘Life after GATE & ESE’ was organized on 21st May 2022. The chief guest was Mr.Pabba Ramesh, Sr.Faculty EE Engineering, ACE Engineering Academy, Chennai.

❖ Energy Club

- Guest Lecture on “Energy Conservation to Preserve upcoming Generation’s” was organized on 14th December 2021. The resource person was Dr.M.Vivekanandan, Founder & CEO, TryCAE Industrial Engineering Pvt Ltd, Trichy.

- Webinar on ‘A Prologue for Renewable Power in Distributed System’ was organized on 31st December 2021. The resource person was Dr.M.Suman, Assistant Professor, Department of Electrical Engineering, Motilal Nehru National Institute of Technology, Allahabad.

- Guest Lecture on ‘Increasing Energy Efficiency of the Industrial Electrical Distribution’ was organized on 2nd April 2022. The resource person was Dr.K.Suresh, Assistant Professor, Department of Electrical and Electronics Engineering, Coimbatore Institute of Technology, Coimbatore.



❖ Tamil Mandram:

- Motivational programme on “Towards the Victory” was organized on 30th December 2021. The chief guest was Dr.I.Senavarayan, Assistant Professor, Government Arts college, Coimbatore.

- Competition on Essay writing, Speech, Painting and Quiz was conducted in view of “Matribhasha Diwas” on 17th February 2022.

- Competition on Speech, Slogan and Poster Design was conducted in view of “Special day to hold voter awareness contest” on 28th March 2022.



❖ Staff Contribution

❖ Staff Achievements and Awards

- Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering department received a ‘AICTE Lilavati Award 2021-2022’ for ‘Women Entrepreneurship’ and ‘Women Empowerment’ on 8th March 2022 by AICTE at New Delhi.



- Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering department completed consultancy work for ABE Semiconductor Designs, Chennai from 1st January to 31st March 2022 (3 months) for Rs.1,22,264/-.

- Dr.R.Shankar, Professor and Head and Mrs.S.Revathi, AP, Electrical and Electronics Engineering department received a grant of Rs.10,000/- from CSIR, New Delhi for 'Introduction to Cyber Security Issues and Unit Commitment Problems in Power System' on 23rd May 2022.

- Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering department & Head (IPR & Product Development) receives 'Bhumi CAMPUS AWARDS 2022', TamilNadu Edition for 'Best Waste Management in Campus' on 11th June 2022 from Government of TamilNadu.

◆ Staff as a resource person

- Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering gave a lecture on 'Innovation Development, Technology Readiness Level, Commercialisation of Lab Technologies & Tech Transfer' at APC Mahalaxmi College for Women, Thothukudi on 3rd February 2022.

- Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering gave a lecture on 'Mentoring for Institutional Social Responsibility and Facilitation for Community Engagement' at online 5-Day FDP by MGNCRE for the faculty of Higher Education Institutions in Tamilnadu from 31st January 2022 to 4th February 2022.

- Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering gave a lecture on 'Awareness Program on 'Entrepreneurship Development & Innovation' at Kongunadu Polytechnic College, Thottiam on 30th March 2022.

- Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering & Head (IPR & Product Development) gave a lecture on 'Waste to Wealth' at Kings College of Engineering, Pudukkottai on 28th April 2022.

◆ Publication of Book

- Dr.R.Shankar, Mr.S.Arun & Mrs.S.Amuthameena, Basic Electrical Electronics and Measurement Engineering, The Charulatha Publications, Chennai, ISBN No: 978-93-93479-54-9, January 2022.

- Mr.P.Tamilnesan, Mr.S.Ragul and Mrs.A.C.Divya, Basic Electrical and Electronics Engineering, The Charulatha Publications, Chennai, ISBN No: 978-93-93479-48-8, January 2022.

- Mr.T.Muthukumar, Mr.V.Kalairajan and Mr.K.Mohanraj, Basic Electrical Electronics and Instrumentation Engineering, The Charulatha Publications, Chennai, ISBN No: 978-93-93479-49-5, January 2022.

- Dr.R.Shankar, Mr.S.Ragul and Mr.V.Kalairajan, Solid State Drives, The Charulatha Publications, Chennai, ISBN No: 978-93-93479-59-4, June 2022.

- Dr.P.Arul, Mrs.S.Revathi and Mr.R.Gopalakrishnan, Power System Analysis, The Charulatha Publications, Chennai, ISBN No: 978-93-93479-67-9, June 2022.

◆ Publication in Journals

1. Dr.Suresh Pandiarajan P, Tamilnesan P, Karthik K & Dr.Umayal SP '27-Level inverter using Multi-Tapped Multi-Winding transformer with Single Input DC Source' International Journal of Mechanical Engineering (IJME), ISSN: 0974-5823, Vol.6, Issue.3, pp.1371-1379, December 2021, Scopus Indexed.

2. Srinivas Rao M P, Revathi S, Rajaprasanna R, Vijay Muni T, Asha A, Manoj Prabakaran A 'Nitrogen (N₂) based Antenna Design for Real-time Mechanical Applications' Materials today: Proceedings, Elsevier, ISSN: 2214-7853, January, 2022 (In press), Scopus Indexed.

3. Sankaran A, Amuthameena S, Vimalraj S, Vivek C, Karthik Kumar R, Balraj B and Kumaraguru K 'Influence of Gd₂O₃ on ZnO Nanomaterials for the Enhancement of Catalytic Behaviour' Journal of Superconductivity and Novel Magnetism, ISSN:1557-1939, April 2022(online), SCIE.

4. Amuthameena Subramanian, Dhayalini Karuppiiah and Balraj Baskaran 'La₂O₃/ Nd₂O₃ Incorporated SnO₂ Nanomaterials for Solar Cell and Electrochemical Supercapacitor Applications' Journal of Electronic Materials, ISSN:0361-5235, Vol.51, Issue.7, pp. 3958-3969, May 2022 (online), Springer, SCIE.

◆ Publication in Conference

1. Amuthameena Subramanian, Dhayalini Karuppiiah & Balraj Baskaran 'Investigations on Electrical Energy Generation and Storage using Nanotechnology' 1st International Conference on 'Advanced Developments in Chemistry and Allied sciences-2021(ADCAS-21)' at Deenbandhu Chhotu Ram University of Science and Technology, Sonapat, India, 16th - 17th December, 2021.

2. R.Gopalakrishnan 'Power Quality Improvement of Microgrid under Demand Response Schemes' International Conference on 'Energy Power Integrated Circuits and Systems (EPICS-2021)' at Bannari Amman Institute of Technology, Sathiyamangalam on 22nd - 23rd December, 2021.

3. S.Ragul, S.Revathi, S.P.Raghavendran & R.Gopalakrishnan 'Design and Development of Automated Solar based Grass Cutter with Sprinkler and Cleaning in Agricultural System' International Conference on 'Smart Technologies and Applications- 2022(ICSTA 2022)', Ramco Institute of Technology, Virudhunagar on 11th & 12th March, 2022.

4. Dr.K.Rajalashmi, Dr.A.Sheela, Dr.K.Prithivi, V.Gowrishankar & S.Revathi 'A Battery Charger with Bridgeless AC-AC Converter for Electric Vehicles' International Conference on 'Advanced Technologies in Chemical, Construction and Mechanical Sciences (iCATCHCOME 2022)', KPR Institute of Engineering & Technology, Coimbatore, 24th - 25th March, 2022.

5. P.Tamilnesan, M.Mohamed Aslam, B.Santhosh, M.Poovarasam & M.Harikrishnan 'IoT Enabled Optimized MPPT Techniques for Solar Power Generation in Smart Building' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

6. P.Tamilnesan, Dr.R.Shankar, S.Karthika, M.Suwathy & J.Vidhya, 'Supervisory Control and Monitoring of IoT Enabled Paddy Cultivation' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

7. R.Abirami, P.Berlin Glary, J.Jeya Priya, G.Praveena & T.Rajamanikandan, 'Design and Fabrication of Micro Machined Hot/Wire anemometer using Embedded Systems' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

8. S.Amuthameena, P.Kousika, S.Nalini, M.Sangavi & A.Sowmiya 'Automatic Gear Lubrication System in Rotary Turbine using IoT' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

9. S.Sathish Kumar, R.Gokul, M.Priyadharsan, P.Parthiban & S.Ragul 'Novel Improved Hybrid Charge Controller for Renewable Energy Applications' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

10. V.Kalairajan & S.Arun 'IoT based Weather Monitoring System with Sensors and Node MCU for Agriculture' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

11. S.Revathi, N.V.Shobana, S.Swetha, P.Kabarthini, & C.Kalaivani 'Integration of Residential Power Plant through Microgrid using Particle Swarm Optimization' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

12. S.Nandhini, G.Sathya, M.Saranya, K.Sujeetha & A.C.Divya 'Gear System and Coupling Management in Horizontal Wind Turbine using Artificial Intelligence Techniques' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

13. S.Arun, S.Sudharsan, M.Sanjay, Y.Praveen Kumar & S.Praveenkumar 'Instrumentation of IoT based Tablet Making Machine' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

14. V.Kalairajan, S.Prabhu, A.Kaviraj, V.Manikandan and T.Lekkaiyaraja 'Design and Fabrication of IoT based Tablet Making Machine' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

15. J.Karthikeyan, K.Mohana Priya, S.Dhivya, S.Nivetha & T.Deepa, Voltage/Frequency Control in Power Inverter using AI, DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy 21st – 22nd April, 2022.

16. K.Balaji, Z.Akthar Farvees, R.D.Gowtham, S.Manoj & K.Mohanraj 'Battery Management System for Renewable Energy Production using Artificial Intelligence' Virtual International Conference on 'Technological Advancements in Mechanical Engineering (ICTAME 2022)', AMET University, Chennai, 22nd - 23rd April, 2022.

17. J.Harivignesh, M.Guru Prasanth, R.Sandheep, R.Gowrishankar & T.Rajamanikandan 'Artificial Intelligence based Solar Tracking System' Virtual International Conference on 'Technological Advancements in Mechanical Engineering (ICTAME 2022)', AMET University, Chennai on 22nd - 23rd April, 2022.

18. R.Gopalakrishnan, E.M.Harish, A.Shahir Ahamed, P.Thirumoorthy and R.Ragul Prasad, 'Efficiency Improvement of Power Converters using FPGA' International Conference on 'Recent Trends in Emerging Technologies and Engineering –ICRTETE-2022', IIRM, Andhra Pradesh, 24th April, 2022.

19. Dr.T.Sengolrajan, P.Nitheesh Kumar, P.Vasanth babu, K.Vignesh & A.Kishore, 'Design and Development of Hybrid Solar and Wind Energy Systems' AICTE Sponsored International Conference on 'Newer Engineering Concepts and Technology (CONNECT-2K22)', Ramakrishnan College of Technology, Samayapuram, 28th - 29th April 2022.

20. K.Premkumar, T.Naveen Kumar, P.Rajesh, P.Bharathmano & K.Karthik, 'Design and Fabrication of Smart Switch Board using COIR', AICTE Sponsored International Conference on 'Newer Engineering Concepts and Technology (CONNECT-2K22)', Ramakrishnan College of Technology, Samayapuram, 28th - 29th April 2022.

21. J.Karthikeyan, V.Suriya Prakash, T.Guhan, S.Vignesh & G.Navin Kishore, Fabrication of IoT based E-Vehicle for Physically Challenged People, AICTE Sponsored International Conference on 'Newer Engineering Concepts and Technology (CONNECT-2K22)', Ramakrishnan College of Technology, Samayapuram, 28th - 29th April 2022.

22. P.Kavinshore, S.Gobinath, V.Manosh, L.Mathiyazhagan, & T.Muthukumar 'Climate Monitoring System using IoT in Thottiyam Block for Wind Power' National Conference on 'Mechatronics and Automation Systems (NCMAS 2022)', Bannari Amman Institute of Technology, Sathyamangalam, 21st April, 2022.

23. Dr.A.Sheela, Dr.T.Logeswaran, S.Revathi and Dr.K.Rajalakshmi, 'Distributed MPPT Configuration for Improving Solar Energy Production' 3rd International Conference on 'Emerging Technology (INCET 2022)', Jain College of Engineering, Belagavi, Karnataka, 27th - 29th May, 2022.

🌟 Webinar/ Seminar/ Workshop/ FDP/ Other Events Attended

1. Dr.P.Arul, Professor, Electrical and Electronics Engineering department & CoE attended AICTE FDP on 'Future Automation of Power System Protection in Indian Power sector (FAPSP'21)' organized by Anna University, Chennai from 11th to 24th December 2021.

2. Mr.P.Tamilnesan, AP, Electrical and Electronics Engineering department attended AICTE FDP on 'Future Automation of Power System Protection in Indian Power sector (FAPSP'21)' organized by Anna University, Chennai from 11th to 24th December 2021.

3. Dr.T.Sengolrajan, ASP of Electrical and Electronics Engineering department attended seminar on 'Battery Management System in Electric Vehicle' at IFET College of Engineering, Villupuram on 27th December 2021.

4. Mr.K.Karthik, AP, Electrical and Electronics Engineering department attended FDP on 'Challenges of Electric Vehicle and Charging Infrastructure in India' organized by Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai from 27th to 31st December 2021.

5. Mr.K.Mohanraj, AP, Electrical and Electronics Engineering department attended ATAL FDP on 'Smart Grid-Drivers, Challenges and Opportunities' organized by Sastra Deemed to be University, Thanjavur from 4th to 8th January 2022.

6. Mr.R.Gopalakrishnan, AP, Electrical and Electronics Engineering department attended AICTE FDP on 'Inculcating Universal Human Values in Technical Education' organized by AICTE from 31st January to 4th February 2022.

7. Dr.T.Sengolrajan, ASP, Electrical and Electronics Engineering department attended Dept. of HE, MoE, Govt. of India FDP on 'Mentoring for Institutional Social Responsibility and Facilitation for Community Engagement' organized by MGNCRE, Tamilnadu from 31st January to 4th February 2022.

8. Mr.P.Tamilnesan, AP of Electrical and Electronics Engineering department attended Workshop on 'Advanced Technologies for Electrical Engineering' at Sri Sivasubramaniya Nadar College of Engineering, Chennai on 4th - 5th February 2022 through online mode.

9. Mr.V.Kalairajan, AP, Electrical and Electronics Engineering department attended AICTE FDP on 'Arduino and Raspberry Pi Programming' organized by NITTTR, Chennai from 31st January to 5th February 2022.

10. Dr.T.Sengolrajan, ASP of Electrical and Electronics Engineering department attended Mentor-Mentee Orientation session on 'Innovation & Entrepreneurship' at Sri Venkateswara College of Engineering, Chennai on 10th February 2022 through online mode.

11. Mrs.S.Amuthameena, AP, Electrical and Electronics Engineering department attended

- AICTE FDP on 'Grid Connected Electric Vehicle Charging Station with Renewable Energy Power' organized by A.V.C College of Engineering, Mayiladuthurai from 23rd to 30th December 2021.

- ATAL FDP on 'Implementation of National Education Policy-2020' organized by ATMEE college of Engineering from 24th to 28th January 2022.

- ATAL FDP on 'Magnetic Levitation System' organized by NIT, Mizoram from 7th to 11th February 2022.

12. Mr.S.Ragul, AP, Electrical and Electronics Engineering department attended

- ATAL FDP on 'Smart Grid-Drivers, Challenges and Opportunities' organized by Sastra Deemed to be University, Thanjavur from 4th to 8th January 2022.

- ATAL FDP on 'Avenues for Energy Conservation in Thermal Power Plants' Anna University from 7th to 11th February 2022.

13. Mr.S.Revathi, AP, Electrical and Electronics Engineering department attended

- ATAL FDP on 'Smart Grid-Drivers, Challenges and Opportunities' organized by Sastra Deemed to be University, Thanjavur from 4th to 8th January 2022.

- ATAL FDP on 'Avenues for Energy Conservation in Thermal Power Plants' Anna University from 7th to 11th February 2022.

14. Mrs.S.Amuthameena, AP & Mr.V.Kalairajan, AP of Electrical and Electronics Engineering department attended Workshop on 'Innovative Techniques in Digital Media Productions with mobile Apps' at Sathyabama Institute of Science and Technology, Chennai on 22nd February 2022 through online mode.

15. Dr.R.Shankar, Professor & Head, Electrical and Electronics Engineering department attended

- AICTE FDP on 'Inculcating Universal Human Values in Technical Education' organized by AICTE from 31st January to 4th February 2022.

- ATAL FDP on 'Basics of Electric Vehicles' organized by Thapar Institute of Engineering & Technology from 25th February to 1st March 2022.

16. Mr.R.Gopalakrishnan, AP of Electrical and Electronics Engineering department attended Workshop on 'Charging Infrastructure and Challenges for EV and ESS Charging' at National Fire Service College, Ministry of Home Affairs, Govt. of India in collaboration with Underwriters Laboratories Inc. on 10th March 2022 through online mode.

17. Mr.T.Rajamanikandan, AP, Electrical and Electronics Engineering department attended

- Dept. of HE, MoE, Govt. of India FDP on 'Mentoring for Institutional Social Responsibility and Facilitation for Community Engagement' organized by MGNCRE, Tamilnadu from 31st January to 4th February 2022.

- COIR Board, MSME, Govt. of India Training on 'Entrepreneurship Development Programme' organized by Kongunadu College of Engineering and Technology, Thottiam from 21st to 23rd March 2022.

18. Mr.T.Rajamanikandan, AP of Electrical and Electronics Engineering department & Head (IPR & Product Development) attended Orientation Session of 'Sastra Incubation and Innovation Centres' on 9th April 2022 through online mode.

19. Mr.T.Rajamanikandan, AP of Electrical and Electronics Engineering department & Head (IPR & Product Development) attended webinar on 'IPR Rights for Green Energy Initiatives in Startups' at HVM Drives Pvt Ltd, TIDES, IIT, Roorkee on 19th April 2022 through online mode.

20. Dr.R.Shankar, Professor & Head of Electrical and Electronics Engineering attended Workshop on 'Demystifying NAAC Accreditation and getting A/A+/A++ Grade' at Aasaan Edu Care Foundation, Bangalore on 4th May 2022.

21. Mr.K.Mohanraj, AP of Electrical and Electronics Engineering department attended NAAC Sponsored Seminar on 'Revised assessment and Accreditation Framework of NAAC: Understanding and Opportunities in HEIS' at Kongunadu College of Engineering and Technology from 6th to 7th May 2022.

22. Mr.K.Karthik, AP, Dr.T.Sengolrajan, ASP and Mrs.S.Revathi, AP, Electrical and Electronics Engineering department attended CSIR Sponsored two days National Level seminar (Virtual mode) on 'Introduction to Cyber Security Issues and Unit Commitment Problems in Power System' organized by Kongunadu College of Engineering and Technology, Thottiam from 17th to 18th June 2022.

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- Dr.R.Asokan, Dr.J.Yogapriya, Dr.M.Dharmalingam, Dr.R.Shankar, Dr.B.Umarani, Dr.T.Sengolrajan, Dr.T.Yuvaraja, Mrs.T.Meenal, Mr.R.Gopalakrishnan & Mr.S.Ragul - 'Cellular IoT Irrigation System using Machine Learning Algorithms and NORDIC', Appln. No: 202241005541 filed on 2nd February 2022 and published on 11th February 2022.

- T.Rajamanikandan, Dr.R.Asokan, Dr.P.Arul, Dr.R.Shankar, Dr.T.Sengolrajan, R.Gopalakrishnan, P.Tamilnesan and K.S.Vignesh,' Design and Development of an Intelligent Wild Animal Drive Back System for Crop Protection based on Artificial Intelligence and Deep Neural Network', Appln. No: 202241026622A filed on 9th May 2022 and published on 20th May 2022.

◆ Centre of Excellence: IoT & Embedded Systems

- A Value Added Course on 'Applications of sensors with Arduino and Node MCU' was organized on 1st September 2021 to 28th April 2022. The resource person was Mr.V.Kalairajan, Assistant Professor/EEE, Kongunadu College of Engineering and Technology.

- A Workshop on 'IoT Based Smart Home Appliances using ESP 32' was organized on 1st & 2nd April 2022. The resource person was Mr.K.Baskar, Technical Lead, Vthink Technologies Pvt Ltd, Chennai.

◆ Centre of Excellence: Industrial Automation

1. A Two Days Hands on Training titled 'SIEMENS S7 1200 PLC – TIA Portal' was organized on 31st March and 01st April 2022. The chief guest was Mr.Mohamed Rafeeq P and Mr.Aravinth S Ingenious Power and Control Systems Pvt.Ltd., Chennai.

◆ MoU Signed

- ABE Semiconductor Designs, Chennai
- Aranya Health Care, Trichy.

◆ Faculty Industrial Training

- ❖ Salem Steel Plant SAIL, Salem
- ❖ Apex Solar Power Plant, (30MW), Trichy

◆ Value Added Course

- Applications of Sensors with Arduino and Node MCU
- Basic Industrial Automation

◆ Students Contribution

◆ Prize Won

1. C.Sundar, R.Kishore, S.Gokul and R.Bharath Kumar of III year Electrical and Electronics Engineering department won II prize in Engineering project presentation on Agriculture and food processing held at 7th India International Science Festival-2021, Panaji, Goa from 11th to 12th December 2021.

2. G.Kamalesh and M.Gopinath of III year Electrical and Electronics Engineering department won I prize in 24 Hrs Hardware Fest-TECHSNAG held at Kongunadu College of Engineering and Technology from 3rd to 4th March 2022.

3. R.Bharathkumar of III year Electrical and Electronics Engineering department won II prize in 24 Hrs Hardware Fest-TECHSNAG held at Kongunadu College of Engineering and Technology from 3rd to 4th March 2022.

4. R.Rishanth, S.Adaikalraj and S.Vignesh of II & III year Electrical and Electronics Engineering department won I prize in Smart India Hackathon- Electroblitz – 2K22 held at Kongunadu College of Engineering and Technology from 18th to 19th March 2022.

5. S.Vignesh of II year Electrical and Electronics Engineering department won II prize in Primary Lobe based Lunge Diseases Detection using Deep Learning held at Government College of Engineering, Thanjavur on 12th April 2022.

6. K.S.Vignesh of IV year Electrical and Electronics Engineering department won ISTE Best Student Award (for the year 2021) held at Indian Society for Technical Education, Tamilnadu Section on April 2022.

7. C.Kalaivani of IV year Electrical and Electronics Engineering department won Department Best Outgoing Students Award (2018-2022 Batch) held at Kongunadu College of Engineering and Technology, Trichy on 30th April 2022.

◆ Paper Presentation in seminar / Symposium:

1. Vignesh K S of IV Year EEE Department presented a paper on 'Silent Sound Technology' in a National Technical Symposium 'INFIERNIX 2K21' at Rajalakshmi Institute of Technology, Chennai, 05th June 2021.

2. Kaviyadharshini M K of II Year EEE Department presented a paper on 'Autonomous Vehicle Technology' in a National Technical Symposium 'INFIERNIX 2K21' at Rajalakshmi Institute of Technology, Chennai, 05th June 2021.

3. Gokul S of III Year EEE Department presented a paper on 'IoT Based Smart Power Conception' in a National Technical Symposium 'POWER FEST @ 2K21' at Geethanjali Institute of Science and Technology, Nellore, 2nd August 2021.

4. Kishore R & Sundar C of III Year EEE Department presented a paper on 'Smart Agriculture Techniques' in a National Technical Symposium 'POWER FEST @ 2K21' at Geethanjali Institute of Science and Technology, Nellore, 2nd August 2021.

5. Sundar C & Kishore R of III Year EEE Department presented a paper on 'Smart Agriculture Techniques' in a National Technical Symposium 'SZIKRA 2K21' at Jai Shriram Engineering College, Thirupur, 1st October 2021.

6. Chowmya C of III Year EEE Department presented a paper on 'Smart Sensors' in the seisson- SPP02 of SENSORS 2K21 at Annamalai University, Chidambaram, from 9th to 10th October 2021.

7. Kishore R of III Year EEE Department presented a paper on 'Smart Agriculture Techniques' in the 10th National Technical Symposium 'ACME 2K21' at M.A.M. School of Engineering, Tiruchirappalli, 13th November 2021.

8. Gokul S of III Year EEE Department presented a paper on 'Smart city with less power consumption based on IOT' in the 10th National Technical Symposium 'ACME 2K21' at M.A.M. School of Engineering, Tiruchirappalli, 13th November 2021.

9. Vignesh S of III Year EEE Department presented a paper on 'Sixth sense technology' conducted by Department of CSE on 17th to 18th December 2021.

10. Sathish S & Monish E of III Year EEE Department presented a paper on 'Advanced Energy Monitoring System' conducted by Department of CSE on 17th to 18th December 2021.

11. Vimalraj J of III Year EEE Department presented a paper on '3D - internet' conducted by Department of CSE on 17th to 18th December 2021.

12. Vignesh M of III Year EEE Department presented a paper on 'Smart Home based IOT' conducted by Department of CSE on 17th to 18th December 2021.

13. Chowmya C of III Year EEE Department presented a paper on 'Smart electric hand held device for female and children safety' conducted by Department of CSE on 17th to 18th December 2021.

14. Lalithapriya K of III Year EEE Department presented a paper on 'Humanoid robot sofia' conducted by Department of CSE on 17th to 18th December 2021.

15. Malathi T of III Year EEE Department presented a paper on 'Nanotechnology in medical field' conducted by Department of CSE on 17th to 18th December 2021.

16. Meera P of III Year EEE Department presented a paper on 'Wireless communication technology' conducted by Department of CSE on 17th to 18th December 2021.

17. Kishore R of III Year EEE Department presented a paper on 'Smart Agricultural techniques and machinery control' conducted by Department of CSE on 17th to 18th December 2021.

18. Sathish Kumar S of II Year EEE Department presented a paper on 'Project Oxygen' in a National Technical Symposium 'Creoscadz-2K22' at K.Ramakrishnan College of Technology, Tiruchirappalli, 23rd March 2022.

19. Sedhupathi R & Infant Steve T of II Year EEE Department presented a paper on 'Data Mining' in a National Technical Symposium 'Creoscadz-2K22' at K.Ramakrishnan College of Technology, Tiruchirappalli, 23rd March 2022.

20. Alageshwaran R S & Vignesh M of II Year EEE Department presented a paper on 'Sixth Sense Technology' in a National Technical Symposium 'Creoscadz-2K22' at K.Ramakrishnan College of Technology, Tiruchirappalli, 23rd March 2022.

21. Kirubananthan A & Nishanth R of II Year EEE Department presented a paper on 'Crypto Currency' in a National Technical Symposium 'Creoscadz-2K22' at K.Ramakrishnan College of Technology, Tiruchirappalli, 23rd March 2022.

22. Santhosh Kumar P of II Year EEE Department presented a paper on 'Project Oxygen' in a National Technical Symposium 'Creoscadz-2K22' at K. Ramakrishnan College of Technology, Tiruchirappalli, 23rd March 2022.

23. Karthikeyan P & Prasanth M of III Year EEE Department presented a paper on 'Third Eye for Blind People' in a National Level Technical Symposium 'Voltrik 2022' at M.Kumarasamy College of Engineering, Karur, 8th April 2022.

24. Gopinath G & Kishore R of III Year EEE Department presented a paper on 'Eco-friendly modern agriculture machinery control and monitoring with IoT' in a National Level Technical Symposium 'Voltrik 2022' at M.Kumarasamy College of Engineering, Karur, 8th April 2022.

25. Thinagaran T of II Year EEE Department presented a paper on 'Blue Brain' in the event of 'MACHINE FORTZ-2022' at Government College of Engineering, Thanjavur, 12th April 2022.

26. Ragavendra C of II Year EEE Department presented a paper on 'Implementation of Bloom Energy-A Heterogeneous Wave of Eco-Friendly Energy' in the event of 'MACHINE FORTZ-2022' at Government College of Engineering, Thanjavur, 12th April 2022.

27. Thomas Maria Jones A of II Year EEE Department presented a paper on 'Silent Sound Technology' in the event of 'MACHINE FORTZ-2022' at Government College of Engineering, Thanjavur, 12th April 2022.

28. Anas Mohamed A of II Year EEE Department presented a paper on 'Project Oxygen' organized by IEEE Students Branch - STB 29741 at Kongu Engineering College, Erode, 12th April 2022.

29. Winmathi M of II Year EEE Department presented a paper on 'Coco Coir' organized by IEEE Students Branch - STB 29741 at Kongu Engineering College, Erode, 12th April 2022.

Paper Presentation in Conference

1. P.Tamilnesan, M.Mohamed Aslam, B.Santhosh, M.Poovarasam & M.Harikrishnan 'IoT Enabled Optimized MPPT Techniques for Solar Power Generation in Smart Building' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

2. P.Tamilnesan, Dr.R.Shankar, S.Karthika, M.Suwathy & J.Vidhya, 'Supervisory Control and Monitoring of IoT Enabled Paddy Cultivation' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

3. R.Abirami, P.Berlin Glary, J.Jeya Priya, G.Praveena & T.Rajamanikandan, 'Design and Fabrication of Micro Machined Hot/Wire anemometer using Embedded Systems' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

4. S.Amuthameena, P.Kousika, S.Nalini, M.Sangavi & A.Sowmiya 'Automatic Gear Lubrication System in Rotary Turbine using IoT' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

5. S.Sathish Kumar, R.Gokul, M.Priyadharsan, P.Parthiban & S.Ragul 'Novel Improved Hybrid Charge Controller for Renewable Energy Applications' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

6. S.Revathi, N.V.Shobana, S.Swetha, P.Kabarthini, & C.Kalaivani 'Integration of Residential Power Plant through Microgrid using Particle Swarm Optimization' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

7. S.Nandhini, G.Sathya, M.Saranya, K.Sujeetha & A.C.Divya 'Gear System and Coupling Management in Horizontal Wind Turbine using artificial Intelligence Techniques' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st - 22nd April, 2022.

8. S.Arun, S.Sudharsan, M.Sanjay, Y.Praveen Kumar & S.Praveenkumar 'Instrumentation of IoT based Tablet Making Machine' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

9. V.Kalairajan, S.Prabhu, A.Kaviraj, V.Manikandan and T.Lekkaiyaraja 'Design and Fabrication of IoT based Tablet Making Machine' DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy, 21st – 22nd April, 2022.

10. J.Karthikeyan, K.Mohana Priya, S.Dhivya, S.Nivetha & T.Deepa, Voltage/Frequency Control in Power Inverter using AI, DST-SERB Sponsored 1st International Conference on 'Emerging Trends in Electric Vehicles and Smart Technologies (ICETEVST-22)', SRM TRP Engineering College, Trichy 21st – 22nd April, 2022.

11. K.Balaji, Z.Akthar Farvees, R.D.Gowtham, S.Manoj & K.Mohanraj 'Battery Management System for Renewable Energy Production using Artificial Intelligence' Virtual International Conference on 'Technological Advancements in Mechanical Engineering (ICTAME 2022)', AMET University, Chennai, 22nd - 23rd April, 2022.

12. J.Harivignesh, M.Guru Prasanth, R.Sandheep, R.Gowrishankar & T.Rajamanikandan 'Artificial Intelligence based Solar Tracking System' Virtual International Conference on 'Technological Advancements in Mechanical Engineering (ICTAME 2022)', AMET University, Chennai on 22nd - 23rd April, 2022.

13. R.Gopalakrishnan, E.M.Harish, A.Shahir Ahamed, P.Thirumorthy and R.Ragul Prasad, 'Efficiency Improvement of Power Converters using FPGA' International Conference on 'Recent Trends in Emerging Technologies and Engineering – ICRTE-2022', IIRM, Andhra Pradesh, 24th April, 2022.

14. Dr.T.Sengolrajan, P.Nitheesh Kumar, P.Vasanth babu, K.Vignesh & A.Kishore, 'Design and Development of Hybrid Solar and Wind Energy Systems' AICTE Sponsored International Conference on 'Newer Engineering Concepts and Technology (ICONNECT-2K22)', Ramakrishnan College of Technology, Samayapuram, 28th - 29th April 2022.

15. K.Premkumar, T.Naveen Kumar, P.Rajesh, P.Bharathmano & K.Karthik, 'Design and Fabrication of Smart Switch Board using COIR', AICTE Sponsored International Conference on 'Newer Engineering Concepts and Technology (ICONNECT-2K22)', Ramakrishnan College of Technology, Samayapuram, 28th - 29th April 2022.

16. J.Karthikeyan, V.Suriya Prakash, T.Guhan, S.Vignesh & G.Navin Kishore, Fabrication of IoT based E-Vehicle for Physically Challenged People, AICTE Sponsored International Conference on 'Newer Engineering Concepts and Technology (ICONNECT-2K22)', Ramakrishnan College of Technology, Samayapuram, 28th - 29th April 2022.

17. P.Kavinshore, S.Gobinath, V.Manosh, L.Mathiyazhagan, & T.Muthukumar 'Climate Monitoring System using IoT in Thottiyam Block for Wind Power' National Conference on 'Mechatronics and Automation Systems (NCMAS 2022)', Bannari Amman Institute of Technology, Sathyamangalam, 21st April, 2022.

18. Jeya Priya J, Praveena G, Abirami R & Berlin Glary P 'Design and Fabrication of Micro Machined Hot Wire Anemometer using Embedded System' Virtual 'International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2022)' at AMET University (Deemed to be University), 22nd to 23rd April 2022.

✿ Student Participation in Seminar:

- N.Thirisha, K.Lalithapriya and M.Vignesh of II & III year Electrical and Electronics Engineering department attended a Seminar on 'Intellectual Property Rights' held at Vel Tech R&D Institute of Science and Technology, Chennai on 12th January 2022.

- M.Sridharshini of III year Electrical and Electronics Engineering department attended a Seminar on 'Innovation and Entrepreneurship' held at Sri Venkateswara College of Engineering, Chennai on 10th February 2022.

- R.Bharath Kumar, N.Thirisha, M.Vignesh, S.Adaikalraj, D.Prasanth, S.Suresh, P.Pavithra and M.K.Kaviyadharshini of II & III year Electrical and Electronics Engineering department attended a Seminar on 'Climate change and Energy Management' held at Swarnandhra College of Engineering and Technology, Andhra Pradesh on 19th February 2022.

- R.Aswinth and A.Rishanth of III year Electrical and Electronics Engineering department attended a Seminar on 'Recent trends in Electric Vehicles' held at Gnanamani College of Technology, Namakkal on 29th April 2022.

✿ Student Participation in Webinar:

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Webinar on 'How Tesla self-driving car works?' held at Tech Learn on 10th January 2022.

- R.Kishore of III year Electrical and Electronics Engineering department attended a Webinar on 'Let's create a website using VSCODE' held at Microsoft Learn Student Ambassador on 17th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Webinar on 'Stocks and Investment' held at NITB on 17th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Webinar on 'Research Methodology' held at Barns College of Arts, Science & Commerce, Panvel on 21st January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Webinar on 'How to clear job interviews effortlessly' held at HIEE empowering engineers pvt ltd on 22st January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Webinar on 'Create your self-portrait using adobe indesign' held at Digisaksham on 23st January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Webinar on 'Time management' held at Digisaksham on 29st January 2022.

- N.Gokul and S.Sathya of II year Electrical and Electronics Engineering department attended a Webinar on 'Cyber Secutity & Ethical Hacking' held at Kongunadu College of Engineering and Technology on 02nd March 2022.

- M.Keerthana, S.Suresh, R.Balaji, M.Winmathi and N.Gokul of II year Electrical and Electronics Engineering department attended a Webinar on 'Webinar on Data Science & its Application' held at Kongunadu College of Engineering and Technology on 24th March 2022.

Student Participation in Workshop:

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Data Science and Analytics' held at Skill lync on 13th December 2021.

- S.Jeevanantham, S.Sathish and S.Anbarasan of III year Electrical and Electronics Engineering department attended a Hands on training on "Learn how to use this technology and expand your Business Ideas" held at University College of Engineering, BIT campus, Trichy on 18th December 2021.

- T.Malathi, M.Sridharshini, P.Meera and R.Aswinth of III year Electrical and Electronics Engineering department attended a Workshop on 'Innovative Techniques in digital media productions with mobile apps' held at Sathyabama Institute of Science and Technology, Chennai on 22nd December 2021.

- M.Keerthana, S.Kiruthika, P.Meera, K.Lalithapriya, A.Srilekha, R.Aswinth, V.Harija and M.Sridharshini of II & III year Electrical and Electronics Engineering department attended a Workshop on 'Intellectual Property Rights' held at Pemraj Sarda College, Ahmednagar on 23th December 2021.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Introduction to Robotics Technology and its features' held at Skill lync on 26th December 2021.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Next Generation Computing and its Applications' held at Kamaraj College of Engineering and Technology, Madurai from 18th to 24th December 2021.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Power Python' held at LUDIFU on December 2021.

- S.Gokul of III year Electrical and Electronics Engineering department attended a Workshop on 'ArcGIS platform developer workshop' held at Chalapathi Institute of Engineering and Technology, Guntur on 7th January 2022.

- S.Gokul of III year Electrical and Electronics Engineering department attended a Workshop on 'ArcGIS platform developer workshop' held at Chalapathi Institute of Engineering and Technology, Guntur on 7th January 2022.

- G.Gopinath, K.Lalithapriya, V.Harija, A.Swetha, A.Sanfarrenosha, S.Kiruthika, S.Sathya and M.Keerthana of II & III year Electrical and Electronics Engineering department attended a Workshop on 'Innovative Techniques in SPSS and Data Analysis' held at Sathyabama Institute of Science and Technology, Chennai from 3rd to 7th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Advanced Technologies in Electrical and Electronics Systems' held at KLS Gogte Institute of Technology, Belagavi from 3rd to 7th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Mathematical Optimization and its application' held at Skill Lync on 9th January 2022.

- A.Swetha and A.Sanfarrenosha of II year Electrical and Electronics Engineering department attended a Workshop on 'Intellectual Property Rights' held at Vel Tech R&D Institute of Science and Technology, Chennai on 12th January 2022.

- K.Lalithapriya, S.Manoj and M.Sridharshini of III year Electrical and Electronics Engineering department attended a Workshop on 'Power Python' held at LUDIFU on January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Hydrodynamics and convective heat transfer studies of air and water jet impingement' held at Skill Lync on 20th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Entrepreneurship in 21st century' held at Kakatiya Institute of Technology and science, Warangal on 29th January 2022.

- M.Keerthana of II year Electrical and Electronics Engineering department attended a Workshop on 'Internet of Things' held at Bhavan's Vivekanandha College, Secunderabad from 24th to 29th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department attended a Workshop on 'Advanced technologies for Electrical Engineering' held at SSN College of Engineering, Chennai from 4th to 5th February 2022.

- M.Sridharshini of III year Electrical and Electronics Engineering department attended a Workshop on 'Innovation and Entrepreneurship' held at Sri Venkateswara College of Engineering, Chennai on 10th February 2022.

- R.Kishore of III year Electrical and Electronics Engineering department attended a Workshop on 'Non isolated and isolated DC to DC converter using PSIM' held at SRM TRP Engineering College, Trichy, from 24th to 25th February 2022.

- A.Swetha, A.Anas Mohammed, K.Sugashini, S.Dharshini and S.Kiruthika of II & III year Electrical and Electronics Engineering department attended a Workshop on 'Entrepreneurship Development Programme' held at Ministry of Micro, Small & Medium Enterprises - GoI from 21st to 23rd March 2022.

- M.Vignesh, V.Harija, S.Sathish Kumar, P.Santhoshkumar, R.Nishanth, M.Winmathi, T.Infant Steve, A.Balamurugan, A.Kirubananthan, P.Vijay, M.Malini, M.Nithishkumar, M.Thayanithi, V.Dhanush, R.Aswinth and S.Midhunkumar of II & III year Electrical and Electronics Engineering department attended a Hands-on training on "SIEMENS S7 1200 PLC-TIA portal" held at Kongunadu College of Engineering and Technology, Trichy from 31st to 1st April 2022.

- C.Chowmya of III year Electrical and Electronics Engineering department attended a Workshop on '3-Days Boot Camp for TNSI- 2021' held at SASTRA University, Thanjavur from 31st March 2022 to 2nd April 2022.

- S.Dharshini, S.T.Sugitha, P.Pavithra, B.Kishore, T.Thinakaran, A.Thomas Maria Jones, C.Ragavendra, R.S.Alageshwaran, P.Muthamil Pandiyan, M.Mohamed Mydeen and M.Karthikeyan of II & III year Electrical and Electronics Engineering department attended a Two Days National Level Workshop on "IoT Based Smart Home Appliances using ESP 32" held at Kongunadu College of Engineering and Technology, Trichy from 1st to 2nd April 2022.

- A.Anas Mohammed, M.Winmathi and V.Harija of II year Electrical and Electronics Engineering department attended a Workshop (Q3-IIC Calendar activity) on "Business Model Canvas & Business Model Canvas Practice" held at Sri Venkateshwara College of Engineering, Sriperambudur on 5th April 2022.

- A.Rishanth and M.Dhanish of III year Electrical and Electronics Engineering department attended a Workshop on 'LABVIEW Programming and its Applications' held at M.Kumaraswamy College of Engineering on 8th April 2022.

Students Participation in other Events

- S.Hari Rajaram of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at K.Ramakrishnan College of Engineering, Trichy on 10th December 2021.

- C.Sundar of III year Electrical and Electronics Engineering department participated in the event 'Innovative ideas' held at Chalapathi Institute of Engineering and Technology, Guntur from 17th to 18th December 2021.

- B.Sureka of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at KPR Institute of Engineering and Technology, Coimbatore on 21st December 2021.

- K.Lalithapriya, B.Sureka, A.Srilekha, R.Nishanth, N.Gokul, M.Keerthana, M.Vignesh and V.Harija of II and III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at Kumaraguru College of Technology on 3rd January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at K.Ramakrishnan College of Engineering, Trichy on 3rd January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at K.Ramakrishnan College of Engineering, Trichy on 7th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at K.Ramakrishnan College of Engineering, Trichy on 10th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at K.Ramakrishnan College of Engineering, Trichy on 14th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at K.Ramakrishnan College of Engineering, Trichy on 17th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at K.Ramakrishnan College of Engineering, Trichy on 24th January 2022.

- N.Gokul, N.Thirisha, S.Kiruthika, M.Keerthana, R.Kishore, K.Lalithapriya, M.Vignesh, B.Kishore Kumar and P.Santhosh Kumar of II and III year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at Bell institute of hotel management & catering technology, Sivakasi on 25th January 2022.

- S.Adaikalraj and D.Prasanth of II year Electrical and Electronics Engineering department participated in the event 'Online quiz' held at Bell institute of hotel management & catering technology, Sivakasi on 26th January 2022.

- K.Lalithapriya of III year Electrical and Electronics Engineering department participated in the event 'Online quiz on energy management and auditing' held at K.Ramakrishnan College of Engineering, Trichy on 31st January 2022.

- K.Suganeshwari, C.Chowmya, S.Purushothaman and M.Saravana Kumar of III year Electrical and Electronics Engineering department participated in the event '24 Hrs Hardware Fest-TECHSNAG' held at Kongunadu College of Engineering and Technology, From 3rd to 4th March 2022.

- T.Thinakaran, S.T.Sugitha and A.Swetha of II year Electrical and Electronics Engineering department participated in the event '24 Hrs Hackathon' held at Kongunadu College of Engineering and Technology, from 4th to 5th March 2022.

- S.Purushothaman, K.Lalithapriya, S.Pooja, M.Saravana Kumar, C.Karuppasamy, V.Myuri, C.Chowmya, S.Jawahar, M.Sri Dharshini, A.Anas Mohamed, J.Devadharshini, R.Bharath Kumar, G.Kamalesh, B.Sureka, M.Vignesh, S.Adailakraj, N.Dhanish and R.S.Alageshwaran of II and III year Electrical and Electronics Engineering department participated in the event 'Smart India Hackathon - Electroblitz - 2K22' held at Kongunadu College of Engineering and Technology from 18th to 19th March 2022.

- M.K.Kavidharshini, M.Vignesh, M.Keerthana of II year Electrical and Electronics Engineering department participated in the event 'Hackathon-TECKTON 2.0' held at Kongunadu College of Engineering and Technology, Trichy on 21st to 22nd March 2022.

- M.Sridharshini, K.S.Vignesh, B.Kishore kumar and A.Anas Mohamed of II, III and IV year Electrical and Electronics Engineering department participated in the event '3-Days Boot Camp for TNSI-2021' held at SASTRA University, Thanjavur from 31st March 2022 to 2nd April 2022.

Internship :

- Nalini S, Nivetha S, Sangavi M and Sathya G of Electrical and Electronics Engineering department attended internship at National Small Industries Corporation Limited, Chennai from 01st to 15th June 2021.

- Gobinath G, Meera P, Mohamed Mydeen M, Prasanth M, Shankar M, Srinivasan K R, Gokul S, Bharathkumar R, Kamalesh G, Kishore R, Rishanth A, Saravana Kumar M and Suguneshwari K of Electrical and Electronics Engineering department attended internship at Spinspider Technology, Salem from 15th November 2021 to 15th December 2021.

- Gowtham R D and Vijayabalaji M of Electrical and Electronics Engineering department attended internship at Pantech e Learning, Chennai from 15th November 2021 to 14th December 2021.

- Gokul R and Parthipan P of Electrical and Electronics Engineering department attended internship at SD Pro Solutions, Trichy from 05th January 2022 to 05th February 2022.

- Ranjith Kumar C of Electrical and Electronics Engineering department attended internship at Pantech e Learning, Chennai from 20th January 2022 to 18th February 2022.

Placement Details :

S.No	Name of the Company	Number of Students Placed
1.	Wipro Limited	30
2.	Tata Consultancy Services Pvt. Ltd.	12
3.	Cappgemini Technology Services India Limited	6
4.	Infosys Limited	4
5.	Aspire Systems Pvt. Ltd.	1
6.	Centelon Limited	4
7.	Mindtree Ltd.	3
8.	MSys Technologies	6
9.	Maverick Systems	1
10.	Avasoft IT Services	5
11.	Syrma SGS Technology	1
12.	Aquasub Engineering	5
13.	Ettiksoft Technologies Private Limited	5
14.	Sakthi Auto Components Limited	10
15.	Texmo Industries	7
16.	Shree Abirami Engineering Works	12
17.	Sutherland Global Services	17
18.	VDart Inc	3
19.	Arthur Grand Technologies	2

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1 : Knowledge : Graduates will apply the knowledge of electrical drives and controls, embedded systems and power system engineering to solve the real-world problems using modern engineering tools.

PEO II : Skills : Graduates will be able to design, analyze and interpret data for various investigations to meet the needs of the society and industry.

PEO III : Attitude/Behavior : Graduates shall develop ethical values and interpersonal skills to work as a part of teams on multidisciplinary projects.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1 : Knowledge : Graduates will apply the knowledge of electrical drives and controls, embedded systems and power system engineering to solve the real-world problems using modern engineering tools.

PEO II : Skills : Graduates will be able to design, analyze and interpret data for various investigations to meet the needs of the society and industry.

PEO III : Attitude/Behavior : Graduates shall develop ethical values and interpersonal skills to work as a part of teams on multidisciplinary projects.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1 : Professional skills : Students shall have abilities to take challenges associated with electrical power and renewable energy generation, transmission, distribution and utilization.

PSO 2 : Competency : Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.

PROGRAM OUTCOMES (POs)

After completion of the course the graduates will have ability to:

PO 1 : Engineering Knowledge : Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2 : Problem Analysis : Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3 : Design/Development of Solutions : Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4 : Conduct Investigations of Complex Problems : Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5 : Modern Tool Usage : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO 6 : The Engineer and Society : Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7 : Environment and Sustainability : Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.

PO 8 : Ethics : Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9 : Individual and Team Work : Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10 : Communication : Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11 : Project Management and Finance : Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12 : Life-Long Learning : Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

COLLEGE VISION & MISSION

VISION

“To become an Internationally Renowned Institution in Technical Education, Research and Development by Transforming the Students into Competent Professionals with Leadership Skills and Ethical Values.”

MISSION

- ❖ Providing the Best Resources and Infrastructure.
- ❖ Creating Learner-Centric Environment and Continuous Learning.
- ❖ Promoting Effective Links with Intellectuals and Industries.
- ❖ Enriching Employability and Entrepreneurial Skills.
- ❖ Adapting to Changes for Sustainable Development.

DEPARTMENT VISION & MISSION

VISION

“To be a pioneer in Electrical and Electronics Engineering and to create electrical engineering experts with social responsibilities, for global industry needs”

MISSION

- ❖ To facilitate the students continuous learning with best infrastructure and environment.
- ❖ To provide the students with skills, knowledge and opportunities to function as member of multi- disciplinary teams
- ❖ To Empower the students towards popular needs of industry, research and development
- ❖ To enable ethics, values and contribution to the society

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