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Accredited by NAAC with 'A' Grade | NBA (ECE, EEE, CSE, MECH & IT)

EEE NEWS

JULY '20 - DEC '20



**DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING**

2020-2021

Vision and Mission of the Department:

Vision:

To provide students with sound knowledge of Electrical and Electronics Engineering, that they become capable of facing the current and impending challenges to extend their expertise in the global arena.

Mission:

- Impart high quality education and training to the students in the field of Electrical and Electronics Engineering
- Transforming our students into enterprising technologies by giving them excellent facilities by qualified, committed members of faculty.
- Motivating them to contribute immensely for the benefit of the entire humanity.

Program Educational Objectives (PEOs)

PEO1: Graduates will synthesize mathematics, science, engineering fundamentals, laboratory and work-based experiences to formulate and solve problems in Electrical and Electronics engineering and the related domains and will develop proficiency in Computer-based engineering and the use of computational tools.

PEO2: Graduates will communicate and work team-based on the multidisciplinary engineering projects in the allied fields of Electrical Science and will practice the ethics of their profession.

PEO3: Graduates will realize the importance of self-learning and engage in lifelong learning to become experts either as an entrepreneur or an employee so as to broaden their knowledge in the domain.

Programme Outcomes (POs)

PO1: Engineering knowledge

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: 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.

PO3: 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.

PO4: 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.

PO5: Modern tool usage

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: 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.

PO7: 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.

PO8: Ethics

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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.

Program Specific Outcomes (PSOs):

PSO 1: Apply the knowledge in the field of electrical and electronics engineering to analyse, design and develop solutions for real world problems.

PSO 2: Demonstrate the skill in core and allied domain to work in interdisciplinary teams.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DEPARTMENT ACTIVITIES

- ❖ Organized an Faculty development programme on " Research Avenues in Electrical Engineering" from 6th to 10th July 2020
- ❖ Organized a Webinar on " Renewable source and energy resource" on 18th July 2020
- ❖ Organized a Webinar on " Industry 4.0 ideas opportunities and their way forward" on 23rd July 2020
- ❖ Organized a Webinar on " DeSign and troubleshooting of Emergency Diesel Generator" on 24th July 2020
- ❖ Organized a Webinar on " Industrial Automation" on 6th August 2020
- ❖ Organized an Faculty development programme on " Recent Developments in Electrical Engineering " from 10th to 14th August 2020
- ❖ Organized Selfie Contest on 18th October 2020
- ❖ Organized an International Conference on "Advances and Development in Electrical and Electronics Engineering" on 5th and 7th November 2020
- ❖ Organized an IEEE sponsored International Conference on "Advances and Development in Electrical and Electronics Engineering" on 10th and 11th December 2020



- ❖ Signed MOU with VEI Technologies, Chennai on 15th December 2020.



FACULTY ACHIEVEMENTS

Journal Publication – International/ National

Dr.P.Vijayakumar, Principal

- ❖ Published a paper titled "Banana Disease Diagnosis Using Computer Vision And Machine Learning Methods" in Journal of Ambient Intelligence and Humanized Computing Vol. 12, No. 3, pp. 6537–6556, July 2020 ISSN: 1868-5145
- ❖ Published a paper titled "Quadcopter based emergency medikit delivery system for hill stations" in International Journal of Reconfigurable and Embedded Systems Vol. 9, No. 3, pp. 201-212, November 2020 ISSN: 2089-4864

Dr.C.R.Balamurugan, Professor & Head

- ❖ Published a paper titled "Quadcopter based emergency medikit delivery system for hill stations" in International Journal of Reconfigurable and Embedded Systems Vol. 9, No. 3, November 2020, pp. 201-212 ISSN: 2089-4864
- ❖ Published a paper titled "Topology Improvements Review on Reduced Switch Multilevel Inverters" in Journal of Xidian University Vol. 14, No. 7, 020, pp. 882-888, 2020, ISSN: 1001-2400
- ❖ Published a paper titled "Assessment and Prediction of Various Variable Amplitude Carriers for Multilevel Inverters" in International Journal of Grid and Distributed Computing Vol. 13, No. 01, 2020, pp. 968-980,2020, ISSN: 2005-4262

Dr.T.Ram Mohan, Professor

- ❖ Published a paper titled "Implementation of 16 bit ALU with three different multiplier algorithms and power optimization technique using Xilinx Power Estimator" in International Journal of Advanced Science and Technology Vol. 9, No. 3, November 2020, pp. 201-212,2020, ISSN: 2089-4864

Dr.S.Sivasubramanian, Professor

- ❖ Published a paper titled “BLDC Motor-Based on CUK Converter by Utilizing Fuzzy Controller” in International Journal of Advanced Science and Technology Vol. 29, No.4, 2020, pp. 5996-6004 ISSN: 2005-4238

Dr.V.TamilSelvan, Professor

- ❖ Published a paper titled “BLDC Motor-Based on CUK Converter by Utilizing Fuzzy Controller” in International Journal of Advanced Science and Technology Vol. 29, No.4, 2020, pp. 5996-6004 ISSN: 2005-4238

Mr. C.S.Sundar Ganesh, Assistant professor

- ❖ Published a paper titled “Soft computing-based fuzzy time series model for dynamic vehicle routing problem” in Soft Computing-A Fusion of Foundations, Methodologies and Applications, Vol 24, issue 22, pp 17431 – 17444,2020, ISSN:1432-7643
- ❖ Published a paper titled “Implementation of 16 bit ALU with three different multiplier algorithms and power optimization technique using Xilinx Power Estimator Screen reader support enabled.” in International Journal of Advanced Science and Technology, Vol. 29 No. 6s, 2020,pp 2262 – 2268,2020, ISSN: 2005-423

Mr.P. Jagadeesh Kumar, Assistant Professor

- ❖ Published a paper titled “Analysis of Energy Management in Micro-grid with Distributed Generation System” in American Journal of Modern Energy, Science Publishing Group, Volume 6, Issue 6, 117-123, December 2020, ISSN: 2575-3908
- ❖ Published a paper titled “Analysis of Energy Management in Micro-Grid with Distributed Generation and Hybrid Energy Storage System” in International Research Journal of Engineering and Technology, Volume 7, Issue 12, pp 1040-1046, 2020, ISSN: 2347-3878
- ❖ Published a paper titled “Management of Block chain Based Hybrid P2P Energy Trading Market”, in International Journal of Current Science Research and Review, Volume 3, Issue 12, pp 203-212, 2020, ISSN: 2581-8341

Ms.R.Vidyalakshmi, Assistant professor

- ❖ Published a paper titled “Recent Development of Electric Vehicle Technology and its Applications” in International Journal of Scientific & Technology Research, Vol 9, No 8, pp 2275 – 2278, 2020 ,ISSN: 2277-8616

Mr. T.Gowthamraj, Assistant professor

- ❖ Published a paper titled “Design of Five Level Cascaded H – Bridge Multilevel Inverter” in Bioscience biotechnology research communications, Vol 13 No (5) 2020, pp 78 – 82, 2020,ISSN: 0974-6455
- ❖ Published a paper titled “Asymmetric Cascaded Multi Level Inverter Using Two Unequal DC Sources By Fuzzy Controller” in International Journal of Advanced Sciences and Technology, Vol. 29 No. 6s, 2020,pp 2246 – 2255, 2020,ISSN: 2005-4238

Paper Presentation– International/ National conferences**Dr.C.R.Balamurugan, Professor**

- ❖ Presented a paper titled “Solar Tracking System” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November 2020, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “Performance Analysis of Reduced Switch Multilevel Inverter Using Pulse Width Modulation Technique” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November 2020, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “Vehicle Tracking System Using GPS & GSM Module” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November 2020, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “Home Automation Using Bluetooth” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November 2020, ISBN: 978-93-5407-320-5

Dr.T.Ram Mohan, Professor

- ❖ Presented a paper titled “Automatic Solar Tracking System” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November 2020, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “Power Generation Using Piezoelectric Transducer” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November 2020, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “Automatic Watering Of Plants Using Arduino” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November 2020, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “Enhancement of Transient Stability in Power System Machine Using Facts Device” in IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020) at Karpagam College of Engineering, Coimbatore from 10th to 11th December 2020, ISBN: 978-1-7281-9251-2

Dr.S.Sivasubramanian, Professor

- ❖ Presented a paper titled “Home Automation Using Google Assistant” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “Raspberry Pi Based Smart Reader for Visually Impaired People” in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled “A Review on Lung Nodule Segmentation Techniques for Nodule Detection”, in 4th International Conference on Electronics, Communication and Aerospace Technology at RVS Technical Campus, Coimbatore from 5th to 7th November 2020, ISBN: 978-1-7281-6387-1
- ❖ Presented a paper titled “Agricultural Robot for Automized Fertilizing and Vigilance for Crops” in IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020) at Karpagam College of Engineering, Coimbatore from 10th to 11th December 2020, ISBN: 978-1-7281-9251-2
- ❖ Presented a paper titled “Automatic True Vessel Identification by Efficient Removal of False Blood Vessels for Detection of Retinal Diseases” in IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020) at Karpagam College of Engineering, Coimbatore from 10th to 11th December 2020, ISBN: 978-1-7281-9251-2

Dr.V.TamilSelvan, Professor

- ❖ Presented a paper titled "Power Theft Detection System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Cargo Tracking System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Smart Meter" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Dr.Meenu D Nair, Associate Professor

- ❖ Presented a paper titled "Car Accident Alert System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "WIFI Enabled Solar Power Monitoring System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Temperature and Humidity Monitoring System Using IOT And LCD" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Mr.A. Charles, Assistant Professor

- ❖ Presented a paper titled "IOT Based Smart Home through Node MCU" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Weather Monitoring Station" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Mr.A.Nagarajan, Assistant Professor

- ❖ Presented a paper titled "Automation of Electrical Loads with Smart Key in the Industrial Sectors" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Smart Socket Using IOT" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "IOT Based Smart Motion Alert System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Mr. M.Sivaramkrishnan, Assistant Professor

- ❖ Presented a paper titled "Smart Security System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Mr. C.S.Sundar Ganesh, Assistant Professor

- ❖ Presented a paper titled "Automatic Toll Gate Operating System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Smart Home" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Hybrid Piezo and Biomechanical Energy Harvester with Multiport DC-DC Converter" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Mr.P.Jagadeesh Kumar, Assistant Professor

- ❖ Presented a paper titled "Enhancement of Transient Stability in Power System Machine Using Facts Device" in IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020) at Karpagam College of Engineering, Coimbatore from 10th to 11th December 2020, ISBN: 978-1-7281-9251-2

Ms.A.Anci Manon Mary, Assistant Professor

- ❖ Presented a paper titled "Landmine Detection Using Drone" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Automatic Smart Irrigation System Using Solar Power" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Life Aid Application" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Ms.R.Vidyalakshmi, Assistant Professor

- ❖ Presented a paper titled "Solar Cell Monitoring Using Labview" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Power Theft Identification and Protection System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Mr. T.Gowthamraj, Assistant Professor

- ❖ Presented a paper titled "Implementation of Fuzzy PID for Level Control of Three Tank Interacting System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Smart Irrigation System Using Arduino and Servo Motor" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Digital Door Lock System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5
- ❖ Presented a paper titled "Smart Egg Incubator System" in 2nd International Conference on Advances and Developments in Electrical and Electronics Engineering at Karpagam College of Engineering, Coimbatore from 6th to 7th November, ISBN: 978-93-5407-320-5

Book/Chapter Publication

Dr.S.Sivasubramanian, Professor

- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/Analysis of thyristor controlled series capacitor" published by Manglam Publications
- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/A Review of unified power flow controller" published by Manglam Publications

Dr.V.TamilSelvan, Professor

- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/Analysis of thyristor controlled series capacitor" published by Manglam Publications
- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/A Review of unified power flow controller" published by Manglam Publications

Mr. M.Sivaramkrishnan, Assistant Professor

- ❖ Published a book/chapter titled "Contemporary research in engineering and technology/ Conduction and breakdown in gaseous liquid and solid dielectrics" published by Manglam Publications
- ❖ Published a book/chapter titled "Contemporary Research in Engineering and Technology/Economics of Power Generation" published by Manglam Publications
- ❖ Published a book/chapter titled "Contemporary Research in Electronics, Computing and Mechanical Sciences/Electrical Machines DC Generators" published by Manglam Publications
- ❖ Published a book/chapter titled "Contemporary Research in Electronics, Computing and Mechanical Sciences/Measuring Instruments" published by Manglam Publications
- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/A Review of unified power flow controller" published by Manglam Publications
- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/A Review on SVC-SVC interaction" published by Manglam Publications

Ms.R.Vidyalakshmi, Assistant Professor

- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/Emerging FACTS controllers" published by Manglam Publications
- ❖ Published a book/chapter titled "Recent Developments in Computing, Electronics and Mechanical Sciences/A Review on SVC-SVC interaction" published by Manglam Publications

Seminar / Workshop / FDPs / STTPs – Presented / Attended

- ❖ Dr.C.R.Balamurugan, Professor attended three days National Level FDP on Real Challenges & Development with Integrated Energy Sources for Electric Vehicles in Modern Days at Sir M.Visvesvaraya Institute of Technology from 01st to 03rd July 2020.
- ❖ Dr.C.R.Balamurugan, Professor attended five days International Level FDP on Trends in Electric Vehicles at NIT, Manipur from 20th to 24th July 2020.
- ❖ Dr.C.R.Balamurugan, Professor attended three days National Level FDP on Overview of issues and challenges in power sector at FAMT from 10th to 12th July 2020.
- ❖ Dr.C.R.Balamurugan, Professor attended One Week Short Term Training Program on "Futuristic Innovations, Trends in Renewable Energy and Utilization Technologies (Phase –I)" from 19th to 24th October 2020.
- ❖ Dr.C.R.Balamurugan, Professor attended One Week Short Term Training Program on "Futuristic Innovations, Trends in Renewable Energy and Utilization Technologies (Phase –II)" from 23rd to 28th November 2020.
- ❖ Dr.C.R.Balamurugan, Professor attended One Week Short Term Training Program on "Challenges and Opportunities in Implementing IoT and Machine Learning for Smart Grid Distribution System (Phase –II)" from 07th to 12th December 2020.
- ❖ Dr.C.R.Balamurugan, Professor attended One Week Short Term Training Program on "Futuristic Innovations, Trends in Renewable Energy and Utilization Technologies (Phase –III)" from 14th to 19th December 2020.
- ❖ Dr.T.Ram Mohan, Professor attended six days FDP on Digital Education at Educational Television Centre and IMCO National Institute of Technical Teachers Training and Research (NITTTR) Sector-26, Chandigarh from 27th June to 3rd July 2020.
- ❖ Dr.T.Ram Mohan, Professor attended five days FDP on ML Essential for Every Researcher from 6th to 10th July 2020.
- ❖ Dr.T.Ram Mohan, Professor attended three days Faculty Development Programme on Overview of Issues and Challenges in Power Sector at St.Joseph College of Engineering from 10th to 12th July 2020.
- ❖ Dr.T.Ram Mohan, Professor attended FDP on Recent Trends in Electronics & Communication at Sinhgad College of Engineering, Pune from 13th to 18th July 2020.
- ❖ Dr.T.Ram Mohan, Professor attended Seven day FDP on "Recent Trends In Management at Gates institute of technology from 13th to 19th July 2020.

- ❖ Dr.T.Ram Mohan, Professor attended Faculty Development Program on New Paradigms in e-Learning Tools and Techniques for Teaching Learning from 17th to 19th July 2020.
- ❖ Dr.T.Ram Mohan, Professor attended FDP on Cyber Attacks & Digital Forensics at SRM University from 20th to 24th July 2020.
- ❖ Dr.T.Ram Mohan, Professor attended Faculty Development Programme on Emerging Trends in Electrical Engineering: A Research Perspective at LBS College of Engineering from 27th to 31st July 2020.
- ❖ Dr.T.Ram Mohan, Professor attended FDP on Research Perspectives Of Artificial Intelligence In Electrical Engineering from 27th July to 1st August 2020.
- ❖ Dr.T.Ram Mohan, Professor attended five days faculty development program on Opportunities and Challenges of online Teaching from 28th July to 1st August 2020.
- ❖ Dr.T.Ram Mohan, Professor attended STTP on Automation and Intelligent Control of Electrical Systems at Gudlavalluru Engineering College from 3rd to 8th August 2020
- ❖ Dr.T.Ram Mohan, Professor attended FDP on ICT tools for teaching, learning process and institution at Siddhartha Academy of General and Technical Education from 10th to 21st August 2020
- ❖ Dr.S.Sivasubramanian, Professor attended FDP on Overviews in issues and challenges in power sector from 10th to 12th July 2020.
- ❖ Dr.S.Sivasubramanian, Professor attended FDP on Internet of Things at Rajarajeshwari Engineering college from 10th to 12th July 2020
- ❖ Dr.S.Sivasubramanian, Professor attended FDP on Future Challenges in Educational Practice & Research at St.Joseph College of Engineering from 15th to 12th July 2020
- ❖ Dr.S.Sivasubramanian, Professor attended FDP on Recent Trends in Research Methodology Using Data Science from 22nd to 28th July 2020
- ❖ Dr.S.Sivasubramanian, Professor attended STTP on Machine Learning and IoT for Industrial Applications at Dr.N.G.P College of technology from 27th July to 1st August 2020.
- ❖ Dr.S.Sivasubramanian, Professor attended Faculty Development Programme on Quality Sustenance and Enhancement Parameters – NAAC and NIRF Ranking Framework at MKJC from 6th to 7th August 2020
- ❖ Dr.S.Sivasubramanian, Professor attended Faculty Development Programme on Pedagogy towards Outcome based Education at NITTR, Chennai from 10th to 14th August 2020
- ❖ Dr.S.Sivasubramanian, Professor attended STTP on Industry IoT and Industry 4.0 – Smart Industry Automation at Sri Krishna College of Technology from 11th to 15th August 2020.
- ❖ Dr.S.Sivasubramanian, Professor attended STTP on Recent Trends and Challenges in Smart Grid Technology at Sriramakrishna Engineering College from 17th to 21st August 2020
- ❖ Dr.S.Sivasubramanian, Professor attended FDP on Research areas in Energy Audit and Conservation at LBS College of Engineering from 24th to 26th August 2020
- ❖ Dr.S.Sivasubramanian, Professor attended FDP on Future Energy Trends and It's Impact at Dr.Ambedkar Institute of Technology from 24th to 28th August 2020
- ❖ Dr.S.Sivasubramanian, Professor attended STTP on Research Perspectives & Sustainable applications of Artificial Intelligence in Electrical Engineering at Vignan's Institute of Engineering for Women from 21st to 28th September 2020
- ❖ Dr.S.Sivasubramanian, Professor attended workshop on Awareness workshop on Outcome Based Education & Accreditation at BPUT on 9th November 2020
- ❖ Dr.V.Tamilselvan, Professor attended FDP on Overviews in issues and challenges in power sector from 10th to 12th July 2020.
- ❖ Dr.V.Tamilselvan, Professor attended FDP on Internet of Things at Rajarajeshwari Engineering college from 10th to 12th July 2020
- ❖ Dr.V.Tamilselvan, Professor attended FDP on Future Challenges in Educational Practice & Research at St.Joseph College of Engineering from 15th to 12th July 2020
- ❖ Dr.V.Tamilselvan, Professor attended FDP on ICT tools for teaching, learning process and institution at Siddhartha Academy of General and Technical Education from 10th to 21st August 2020
- ❖ Dr.V.Tamilselvan, Professor attended STTP on Recent Trends and Challenges in Smart Grid Technology at Sriramakrishna Engineering College from 17th to 21st August 2020
- ❖ Dr.V.Tamilselvan, Professor attended FDP on Future Energy Trends and its Impact" at Dr.Ambedkar Institute of Technology from 24th to 28th August 2020
- ❖ Dr.V.Tamilselvan, Professor attended STTP on Digitization in Industrial Automation at St.Joseph College of Engineering from 23rd to 28th November 2020.
- ❖ Dr.V.Tamilselvan, Professor attended workshop on Energy Management in Electrical and Thermal Utilities on 17th October 2020.
- ❖ Attended workshop on Rapid Software Development with Advanced MIT APP Inventor at Vellore Institute of technology on 17th October 2020
- ❖ Dr.V.Tamilselvan, Professor attended STTP on Design and Control of Power Electronics Converters and its Applications at kakatiya Institute of Technology on 19th to 23rd October 2020
- ❖ Dr.Meenu D Nair, Associate Professor attended FDP on "Electric vehicles: new trends and technologies " from 20th to 25th July 2020
- ❖ Mr. M.Siva Ramakrishnan, Assistant Professor attended FDP on Research Paper Drafting, Funding & Patent Methodologies at Dr.N.G.P College of technology from 2nd to 4th July 2020.
- ❖ Mr.P.Gajendran, Assistant Professor attended AICTE STTP Machine Learning and Internet of Things IoT for Industrial Applications from 24th to 29th August 2020
- ❖ Mr.S.Sajeesh, Assistant Professor attended FDP on Renewable Energy Application in Smart Grid, Micro Grid and EV's from 13th to 17th July 2020
- ❖ Mr.S.Sajeesh, Assistant Professor attended FDP on Recent Development in Electrical Engineering from 10th to 14th August 2020
- ❖ Ms.P.S.Sumy, Assistant Professor attended FDP on Role of Teacher in enhancing the quality of Technical Education from 26th to 27th September 2020
- ❖ Ms.P.S.Sumy, Assistant Professor attended FDP on Open Source Tools for Research at Priyadarshini Institute of Science & Technology For Women from 10th to 15th August 2020
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended FDP on Contemporary challenges in electrical engineering and aiding technologies at St.Joseph college of Engineering from 6th to 10th July 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended FDP on Design thinking at ILLM from 20th to 24th July 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended FDP on "Emerging Trends in Data Science & IoT at ARKA Jain University from 20th to 25th July 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended STTP on Recent Advancements in Integration of Distributed Energy Resources for Electric Vehicle Charging Stations and Energy Management using Internet of Energy at MDPI from 20th to 25th July 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended One Week Faculty Development Programme on Current Research Trends in Power Systems and Power Electronics" from 20th to 25th July 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended FDP on Recent Trends in Electrical Engineering at SSN College of Engineering from 25th to 27th July 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended FDP on Research Perspectives of Artificial Intelligence In Electrical Engineering at Sriramakrishnan college of Engineering from 27th to 31st July 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended FDP on Recent trends in Communication Technologies at Vaagdevi College of Engineering from 10th to 14th August 2020.
- ❖ Mr. M.Sivaramkrishnan, Assistant Professor attended FDP on Recent Trends and Opportunities in Electricity: Generation, Transmission and Distribution at Vellore Institute of Technology from 17th to 21st August 2020.

- ❖ Mr.M.Muthukumar, Assistant Professor attended FDP on Recent Development In Electrical Engineering at Karpagam College of Engineering, Coimbatore from 10th to 14th August 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor attended FDP on “Recent Innovation and futuristic scope for research in internal combustion engine at St.Joseph College of Engineering from 29th June to 4th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor STTP on Introduction to PLECS tool for power electronics application at SRM University from 2nd to 6th July 2020.
- ❖ Ms.A.Anci Manon Mary, Assistant Professor STTP on Big Data Analysis at Ramakrishna Mission Vivekananda Educational and Research Institute from 6th to 10th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on “Empowerment as enrichment, the language teacher and new order at St.Agnes College of Engineering from 6th to 10th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Research avenues in electrical engineering at Karpagam College of Engineering from 6th to 10th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Future Nano Electronics Devices and Circuits at GPREC from 6th to 10th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Overview of issues and challenges in power sector from 10th to 12th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor STTP on Engineering Capstone project at NITTR from 13th to 17th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Recent Research trends in electrical engineering at Gautama Budhha University from 14th to 18th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Micro grid: Operation and Control at SSN college of Engineering from 16th to 18th July 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor STTP on “Programming Enhanced Mid-range PIC Microcontroller using MPLABX IDE and digital and Proteus at SSN college of Engineering from 20th to 22nd July 2020.
- ❖ Ms.A.Anci Manon Mary, Assistant Professor two weeks FDP on Matlab, Labview Programming and Engineering Application at VNRVJiet from 27th July to 7th August 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor six days FDP on “Recent Developments in Solar Energy Recovery and Storage Technologies at Anurag University from 3rd to 8th August 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Electric Vehicles at Manipal University from 24th to 28th August 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Application of Matlab in Engineering at MNIT from 24th to 28th August 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor Six days STTP on Fundamentals of OBE at NITTR from 31st August to 4th September 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor STTP on Innovative Smart Grid Technologies at SSN College of Engineering from 2nd to 4th September 2020.
- ❖ Ms.A.Anci Manon Mary, Assistant Professor Six days STTP on Electric Car Technologies and Modern Power Systems at KCET from 7th to 12th September 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor Six days STTP on Mitigation of Power Quality Issues in Distributed Generation Systems using Custom Power Devices-III from 14th to 19th September 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor FDP on Robotics at LBREC from 21st to 25th September 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor two weeks FDP on ICT Tools for Teaching and Learning at ILLM college of Engineering from 5th July to 16th October 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor five days FDP on Recent Trends on Green Energy at GMRIT from 12th to 16th October 2020
- ❖ Attended Six days STTP on Electric Cars Technologies and Modern Power System at St.Joseph College of Engineering from 12th to 17th October 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor one week FDP on Professional Ethics and Sustainable Development at NITTR from 26th to 30th October 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor one week STTP on Research Avenues for Machine Application for Pattern Recognition at MGIT from 2nd to 7th November 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor one week STTP on Role of Smart Technologies in Maritime Industries at AMET University from 2nd to 7th November 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor Six days STTP on Hybrid and Electric Vehicles : Development, Integration and Challenges at Kakatiya Institute of Technology from 23rd to 28th November 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor one week STTP on Recent Developments and Entrepreneurship in Sustainable Green Energy Technologies and Smart Grids at BVIT from 23rd to 28th November 2020
- ❖ Ms.A.Anci Manon Mary, Assistant Professor one week STTP on Green Internet of Things at PSNACET from 7th to 12th December 2020
- ❖ Ms.R.Vidyalakshmi, Assistant Professor attended six days FDP on “Digital Education at SNSCT from 27th June to 3rd July 2020
- ❖ Ms.R.Vidyalakshmi, Assistant Professor attended FDP on ICT based Teaching and learning process at Roorkee College of Polytechnic from 1st to 5th July 2020.
- ❖ Ms.R.Vidyalakshmi, Assistant Professor attended FDP on Recent Challenges in Industrial Automation & Embedded system at AKRA JAIN University from 6th to 11th July 2020
- ❖ Ms.R.Vidyalakshmi, Assistant Professor attended Short Term course on Insights Into Electrical Energy Management at KCT from 7th to 11th July 2020
- ❖ Ms.R.Vidyalakshmi, Assistant Professor attended STTP on Programming Enhanced Mid-range PIC Microcontroller using MPLABX IDE and digital and Proteus at SSN College of Engineering from 20th to 22nd July 2020.
- ❖ Mr. T.Gowthamraj, Assistant Professor attended five days FDP on Research Avenues in Electrical Engineering at Karpagam College of Engineering from 6th to 10th July 2020

Students – Curricular and Extra-Curricular Activities

- ❖ Athira Soundar from III EEE Participated and won first Prize in selfie contest on 18.10.2020
- ❖ Abisidhu M S from II EEE Participated and won second Prize in selfie contest on 18.10.2020

The Editorial Board:

- 1) Chief Editor : Dr. C. R. Balamurugan, Professor and Head
- 2) Editor : Dr. Meenu. D. Nair, Associate Professor
- 3) Faculty Coordinator : Mrs. A. Anci Manon Mary, Assistant Professor

- 4) Student Council :
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 - Ms. Abinaya. S (IV EEEB)
 - Mr. Dhinesh Kumar. A (III EEE A)
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 - Mr. Sabarish Shetty.G (II EEEA)
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