

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)

### ABOUT THE DEPARTMENT:

Electrical engineers synthesize science, mathematics, technology, and application-oriented designs into world-class consumer products, timely microprocessors, state-of-the-art computers, advanced electronic components, and much more. From cutting-edge technology revolutions to real life applications, the innovations of electrical engineers continue to lead the future and elevate the standards in the marketplace. With a shortage of electrical engineering talent in the job market, the demand for graduates with an electrical engineering degree remains at an all-time high.

### VISION:

To mould Electrical and Electronics Engineers with competent knowledge and skills to solve real time problems in Industry and Society.

### MISSION:

- To facilitate students to adept latest technology in addressing the challenges in transmission and distribution of electricity.
- To engage and collaborate with industry to build unified technology.
- To kindle the students to innovate in designing and developing new products to solve real time problems in society and industry.
- To inculcate the need of green energy in the minds of students to sustain Mother nature.





# SRI RANGANATHAR

## INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)  
(An ISO 9001:2015 Certified Institution)

Athipalayam, Coimbatore - 641 110. Web site: www.sriet.ac.in Ph: 0422 2697792





## SRIET – EEE NEWSLETTER

Academic Year 2020-21 (ODD SEM)

December 2020

### SRIET Profile:

*Sri Ranganathar Institute of Engineering and Technology (SRIET) came into existence in 2011, out of an ardent desire of Dr. V. Narayanasamy to contribute manifold to the society that nurtured him. SRIET is an Innovative Educational Institution where the curiosity, creativity and intellectual joy of students all drive to academic excellence. Our Institution provides complex problem-solving skill and imbibes service to the public good. SRIET is defined by strong association and working in ways that excel in traditional boundaries.*

*SRIET's academic excellence is rooted in a student-centred model of learning. The Curriculum is an accurate approach to education that pushes the students to be creative thinkers, intellectual risk-takers and entrepreneurial problem-solvers. SRIET leaves students prepared to thrive as independent and innovative leaders and equipped with the tools they need to become the next generation of leaders in their respective fields.*

### LIST OF CONTENT:

- Students Activity
- Program Organized
- Faculty Activity-Seminar/Workshop Attended
- FDP/STTP Attended

### Editorial Board (Student):

**Chief Editor:** Mr Pandiyaraj N IV-EEE

**Editor :** Ms Sivasona C III-EEE

**Designer :** Mr Pramod kumar panda II-EEE

### Editorial Board (Staff):

**Member 1 :** Dr J Maalmarugan HoD/EEE

**Member 2 :** Mr K Muthuraj AP/EEE



### **PROGRAM OUTCOMES (PO)**

<b>PO1: Engineering knowledge</b>	Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
<b>PO2: Problem analysis</b>	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
<b>PO3: Design/ development of solutions</b>	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.
<b>PO4: Conduct investigations of complex problems</b>	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.
<b>PO5: Modern tool usage</b>	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.
<b>PO6: The engineer and society</b>	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.
<b>PO7: Environment and sustainability</b>	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
<b>PO8: Ethics</b>	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
<b>PO9: Individual and team work</b>	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
<b>PO10: Communication</b>	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.
<b>PO11: Project management and finance</b>	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.
<b>PO12: Life-long learning</b>	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 (PSO)**

<b>PSO1</b>	Capable to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.
<b>PSO2</b>	Comprehend, analyses and design products in core domains namely power, control and energy to meet the ever-changing demands of industry and society.



## Students Activity:

- **Rohini. R** form IV EEE attended **Webinar on “Careers in Banking and Financial Services”** organised by SRIET during 24.07.2020.
- **Rohini. R** attended Webinar on **“Barriers and Opportunities in Renewable Cooling and Heating Systems”** organized by Nehru Institute of Engg and Tech on 27.08.2020.
- **Rohini. R** attended **E-Quiz** organized by Rathinam Technical Campus and **got 84%** on 27.08.2020.
- **Sivasona C** attended webinar on **“Real time Implementation of Voltage Regulation of Power System using dSPACE simulator”** organized by Velalar college of engineering and technology during 16.10.2020.
- **Agunan A** attended **Guest Lecture on “Advancement in Control Engineering with MATLAB Application”** organized by SRIET during 28.10.2020.
- **Aswinprabhu K** attended **Guest Lecture on “Advancement in Control Engineering with MATLAB Application”** organized by SRIET during 28.10.2020.
- **Shanmugapriya S** attended **Guest Lecture on “Advancement in Control Engineering with MATLAB Application”** organized by SRIET during 28.10.2020.
- **Mathankumar M** attended **Guest Lecture on “Advancement in Control Engineering with MATLAB Application”** organized by SRIET during 28.10.2020.
- **A. Dharmalingam III** year participated in **Workshop “How to become a student Entrepreneur”** organized by Center for Entrepreneur Development Chennai during 27.10.2020 To 29.10.2020.
- **S.Balamurugan and J.Pandiaraj III** year Completed their **INTERNSHIP at ABEE INDUSTRIALS, COIMBATORE** during 28.10.2020 to 10.11.2020.
- **R.Rahul II** year participated in **one-week AICTE sponsored online SSTP on “Machine Learning and its Applications”** phase II organized by Lendi Institute of Engineering and Technology, Andre Pradesh during 23.11.2020 to 28.11.2020.
- **R.Rahul II** year Participated in Webinar on **“My Story from Being an Enthusiastic Engineer to a Passionate Entrepreneur”** organized by B.N College of Engineering and Technology, Lucknow on 23.12.2020.

## Program Organized:

- EEE Organized one day **National Level webinar on “Careers in Banking & Financial Services”** on 24.07.2020.
- EEE organized 1 day FDP on **“Ample Platform e-learning”** in coordinates with Amritha University.
- Organized **Guest Lecture on “Smart Grid Automation”** under the banner of EMEER2K20 on 08.10.2020



- Organized **Guest Lecture** on “**Advancement in Control Engineering with MATLAB Application**” on 28.10.2020.
- Organized **one day National Level Webinar** on “**How to Build a Successful Startup**” on 29.10.2020.
- Organized **One Day Webinar** on “**New Dimension of Higher Education-Opportunities for Innovation and Entrepreneurship**” presented by “**Dr P Pradeepa AP/ Jain University, School of Engineering and Technology**” Bangalore during 07.11.2020.
- Organized **Seminar cum Hands on Training** on “**Smart Manufacturing**” presented by “**Mr.Karthikeyan ARK Automation, Coimbatore**” dated on 22.12.2020.

### **FDP/STTP/Seminar/Workshops:**

- Mr.P.Meenakshi Sundaram submitted paper “**Optimal Location of STATCOM for Voltage Stability Assessment using Nature Inspired Firefly Algorithm**” in Journal of Engineering Research during 02.08.2020.
- Mrs.M.Shanthi attended 5 days **STC** on “**Power Electronics Application in Smart Grid and electric vehicle**” organised by Sri Ramakrishna engineering college from 03.08.2020 to 07.08.2020
- Mr.Alex George attended 3 days **FDP/STTP** activity on “**Building smart Automation design without coding**” organised by SRM from 05.08.2020 to 07.08.2020
- Mr.Alex George attended “**Tec-quiz**” organised by SNS on 06.08.2020.
- Mr.P.Meenakshi Sundaram attended **Webinar** on “**NAAC Revised Accreditation guidelines and role of IQAC in post COVID-19 Era**” organised by IQAC cell, SVP CET during 06.08.2020.
- Mrs.M.Shanthi attended **Webinar** on “**NAAC Revised Accreditation guidelines and role of IQAC in post COVID-19 Era**” organised by IQAC cell, SVP CET on 06.08.2020.
- Mrs.D.Nivea attended **Webinar** on “**NAAC Revised Accreditation guidelines and role of IQAC in post COVID-19 Era**” organised by IQAC cell, SVP CET on 06.08.2020.
- Mr.Alex George attended **webinar** on “**Transformers-diagnostic techniques for life enhancement**” organized by ST. Joseph on 07.08.2020.
- Mr.D.Palanivel attended **Webinar** on “**Evolving as a Healthy Engineer** ” organised by Sri Easwar College of Engineering, Coimbatore on 07.08.2020.
- Mr.Alex George attended **webinar** on “**Internet of drone things**” organised by Ganadipathy tulsis jam engineering college on 11.08.2020.
- Mr.D.Palanivel attended **Webinar** on “**Enhancing Customer Experience using AI**”organised by Sri Easwar College of Engineering, Coimbatore on 13.08.2020.
- Mr.D.Palanivel attended **Webinar** on “**Study Engineering with Learn by doing Practices**” organised by Sri Easwar College of Engineering, Coimbatore on 14.08.2020.
- Mr.Alex George attended **webinar** on “**Coal fundamentals and utilization**” organised by FXEG on 15.08.2020.



- Mr.Alex George attended “E-QUIZ” organised by Annapoorna engineering college on 16.08.2020.
- Mr.D.Palanivel attended Webinar on "How passionate Developers Built ZOHO in to World Class" organised by Sri Easwar College of Engineering, Coimbatore on 21.08.2020.
- Dr.J.Maalmarugan participated in the online webinar on “A Journey of an Entrepreneur” Organized by Sri Easwar College of Engineering on 28.08.2020.
- Mr.D.Palanivel attended Webinar on "A Journey of an Entrepreneur" organised by Sri Easwar College of Engineering, Coimbatore on 28.08.2020.
- Mrs. K. Bagyalakshmi attended online FDP on “Internet of things” Organized by NITTTR Chennai from 07.09.2020 to 11.09.2020
- Mr.D.Palanivel attended 5 days FDP on "Machine Learning & Deep Learning For Data Science & Engineering" organised by Panimalar Engineering College, Chennai from 07.09.2020 to 11.09.2020
- Mr. Alex George attended 6 days STTP on “Emerging trends in Robotics and its Applications” organized by PSNA College of Engineering from 09.09.2020 to 14.09.2020
- Dr.J.Maalmarugan attended free introductory program on “Why softskill is considered as a Carrier Booster?” Conducted by SVCT Virtual Campus in association with Goalmotiv Academy on 12.09.2020.
- Mr.D.Palanivel attended webinar on "Why Softskills considered as a Career Booster?" Organised by SVCT Virtual Campus on 12.09.2020
- Mr.D.Palanivel attended webinar on "Introduction to Blockchain Technologies: Energy perspective" Organised by K.Ramakrishnan College of Technology, Trichy on 12.09.2020
- Mrs.D.Nivea attended Webinar on “Why Softskill in considered as a career booster?” organized by SVCT Virtual Campus on 12.09.2020.
- Mrs. K. Bagyalakshmi attended online one-week STTP on” Emerging trends in wireless sensor networks & applications” Organized by Malla Reddy Engineering College for Women from 14.09.2020 to 19.09.2020.
- Mrs. M Shanthi attended webinar on “National Education Policy” organized by MHRD on 16.09.2020.
- Mr. Alex George attended 5 days FDP on “Energy Engineering-AICTE-ATAL” organized by Vellammal Engineering college on 17.09.2020 to 21.09.2020.
- Mrs. K. Bagyalakshmi attended online webinar on “Machine learning” Organized by K.Ramakrishnan college of Technology on 19.09.2020.
- Mrs. K. Bagyalakshmi published a book chapter entitled “Effective use of deep learning and image processing for cancer diagnosis”, Springer on 21.09.2020.
- Dr.J.Maalmarugan participated 3days Online FDP on “Intellectual Property Rights-Emphasis on patent Drafting and research Innovation” organized by Sri Venkateshwara College of engineering and Technology, Puducherry on 23.09.2020 to 25.09.2020.



- Mr. P. Meenakshi Sundaram participated 3days Online FDP on “Intellectual Property Rights-Emphasis on patent Drafting and research Innovation” organized by Sri Venkateshwara College of engineering and Technology, Puducherry from 23.09.2020 to 25.09.2020.
- Mr.D.Palanivel participated 3days Online FDP on “Intellectual Property Rights-Emphasis on patent Drafting and research Innovation” organized by Sri Venkateshwara College of engineering and Technology, Puducherry from 23.09.2020 to 25.09.2020.
- Mrs.D.Nivea participated 3days Online FDP on “Intellectual Property Rights-Emphasis on patent Drafting and research Innovation” organized by Sri Venkateshwara College of engineering and Technology, Puducherry from 23.09.2020 to 25.09.2020.
- Mr. K. Muthuraj participated 3days Online FDP on “Intellectual Property Rights-Emphasis on patent Drafting and research Innovation” organized by Sri Venkateshwara College of engineering and Technology, Puducherry from 23.09.2020 to 25.09.2020.
- Dr.J.Maalmarugan participated in Web conference on “Diverse Computing: Agro- Socio-Health-Bossiness Revolution” Organized by Christian College on 25.09.2020.
- Mr.D.Palanivel attended webinar on "Diverse Computing : Agro - Socia - Health - Business Revolution" Organised by Kodaikanal Christian College on 25.09.2020.
- Mr.D.Palanivel attended webinar on "Women Empowerment" Organised by Panimalar Engineering College, Chennai 25.09.2020.
- Mrs.D.Nivea attended Webinar on “Diverse Computing: Agro- Socio- Health- Bussiness Revolution” organized by Kodaikanal Christian College 25.09.2020.
- Mrs.D.Nivea attended Webinar on “Women Empowerment” organized by IEEE Panimalar Institute of Technology, Chennai 25.09.2020.
- Mr. P. Meenakshi Sundaram submitted paper “Assessment of Voltage Stability Improvement of Power System with STATCOM using Optimization Technique” in Journal of Engineering Research on 26.09.2020.
- Mrs.D.Nivea attended Webinar on “How to Overcome Startup Difficulties” organized by SVCT Virtual Campus on 26.09.2020.
- Mr.D.Palanivel attended webinar on "How to Overcome Startup Difficulties" organised by SVCT Virtual Campus on 26.09.2020.
- Mrs. K. Bagyalakshmi organized a online Webinar on “National Education policy 2020 through UBA cell” on 30.09.2020.
- Mrs.D.Nivea attended Webinar on “Dissemination of Information on National Education Policy 2020” organized by Sri Ranganathar Institute of Engineering and Technology, Coimbatore on 30.09.2020.
- Mrs. M Shanthi motivated 12 students to participate Webinar on “National Education policy 2020 through UBA cell” organized by SRIET on 30.09.2020.



- Mr. Alex George attended ATAL-AICTE FDP on “ELECTRICAL VEHICLE” conducted by All India Shri Shivaji Memorial Society College of Engineering PUNE 05.10.2020 to 09.10.2020.
- Mrs K Bagyalakshmi attended online FDP on “Artificial Intelligence” Organized AICTE Training and Learning (ATAL) at Coimbatore Institute of Technology 05.10.2020 to 09.10.2020.
- Mr D. Palanivel attended AICTE sponsored six days STTP titled on “IoT based WSN using COOJA Network simulator” organised by Department of Electrical and Electronics Engineering, IFET College of Engineering, Villupuram 05.10.2020 to 10.10.2020.
- Mr D. Palanivel attended One Week Faculty Development Programme on “Scientific Writing Using Latex under the banner of Kanyaabi-An initiative in Career Development” organized by Department of Computer Sciences, BGSB University, Rajouri from 05.10.2020 to 09.10.2020
- Mrs D. Nivea attended One Week Faculty Development Programme on “Scientific Writing Using Latex” under the banner of Kanyaabi-An initiative in Career Development, organized by Department of Computer Sciences, BGSB University, Rajouri 05.10.2020 to 09.10.2020.
- Mr. Alex George attended AICTE sponsored STTP on “Electrical vehicle for integration of renewable resources” conducted by RMK Engineering college 12.10.2020 to 17.10.2020.
- Mrs M Shanthi attended AICTE Sponsored Six Day Online STTP on “ELECTRIC CARS TECHNOLOGIES AND MODERN POWER SYSTEM” SERIES-III” organized by Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, S.P.G.C Nagar, K.Vellakulam, Madurai 12.10.2020 to 17.10.2020.
- Mr D. Palanivel attended in AICTE sponsored online six days STTP titled “Optimization of Communication & Signal Processing with Machine Learning Perspectives” organized by Velammal Engineering College, Chennai 12.10.2020 to 17.10.2020.
- Mr D. Palanivel attended AICTE Sponsored Six Day Online STTP on “ELECTRIC CARS TECHNOLOGIES AND MODERN POWER SYSTEM” SERIES-III” organized by Department of Electrical and Electronics Engineering, Kamaraj College of Engineering and Technology, S.P.G.C Nagar, K.Vellakulam, Madurai 12.10.2020 to 17.10.2020.
- Mr D. Palanivel attended AICTE Training and Learning (ATAL) Academy Online FDP on "Emerging Technologies (IOT, Robotics & UAV)" organized by Centre for Development of Advanced Computing 12.10.2020 to 16.10.2020.
- Mr D. Palanivel attended Three days National Level Faculty Development Programme on “National Education Policy 2020” at Sri Ramakrishna mission Vidhyalaya College of Education, Coimbatore 14.10.2020 to 16.10.2020.
- Mrs D. Nivea attended Three Day National Level FDP on “National Education policy 2020” organised by Department of Physical Education, Sri Ramakrishna Mission Vidyalaya College of Education, Coimbatore 14.10.2020 to 16.10.2020



- Mrs D. Nivea attended AICTE Training and Learning (ATAL) academy online FDP on “Internet of Things and its Applications” organized by Shetty
- Institute of Technology, Kalaburagi 15.10.2020 to 19.10.2020.
- Mrs K Bagyalakshmi motivated 5 Third year student and 4 final year student to attend webinar on “Real time implementation of Voltage regulations of Power system using D space simulator” 16.10.2020.
- Mr D. Palanivel attended one day national level online workshop on “creation of educational videos with video editor” at Tunkur University, Karnataka 18.10.2020.
- Mrs D. Nivea attended TUTEA One day National Workshop on "Creation of Educational Video with Video Editor" 18.10.2020.
- Mrs K Bagyalakshmi attended online one-week STTP on “Integrative Internet of Things and deep learning for smart health care” Organized by KPR Institute of Engineering and technology, Coimbatore 19.10.2020 to 24.10.2020
- Mr P Meenakshi Sundaram attended AICTE-ISTE sponsored induction program on “Feature Analysis using AI/ML” organized by Sri Krishna College of Engineering and Technology 19.10.2020 to 24.10.2020
- Mrs M Shanthi attended AICTE sponsored six days STTP titled “Electric Vehicle: Evolution, Integration and Challenges – Series I” organised by Department of Electrical and Electronics Engineering, Sri Krishna College of Engineering, Coimbatore 19.10.2020 to 24.10.2020.
- Mr D. Palanivel attended AICTE sponsored one-week STTP on “Challenges and Opportunities in Smart City Implementation in IoT Era” organized by Department of Electronics and Telecommunication Engineering, JSPM’s Rajarshi Shahu College of Engineering, Pune from 19.10.2020 To 24.10.2020.
- Mr D. Palanivel attended AICTE sponsored six days STTP titled on “Potential and challenges for integrating 5G Networks and IoT applications in smart city Environment” organised by Department of Information Technology, Hindustan College of Engineering, Coimbatore from 19.10.2020 To 24.10.2020.
- Mr D. Palanivel attended AICTE sponsored six days STTP titled “Electric Vehicle: Evolution, Integration and Challenges – Series I” organised by Department of Electrical and Electronics Engineering, Sri Krishna College of Engineering, Coimbatore from 19.10.2020 To 24.10.2020.
- Mr D. Palanivel attended AICTE Training and Learning (ATAL) Academy Online FDP on “IOT Applications in Smart Grid” at Thiyakarajar College of Engineering, Madurai from 19.10.2020 To 23.10.2020.
- Mrs D. Nivea attended AICTE sponsored one-week STTP on “Challenges and Opportunities in Smart City Implementation in IoT Era” organized by Department of Electronics and Telecommunication Engineering, JSPM’s Rajarshi Shahu College of Engineering Pune from 19.10.2020 To 24.10.2020.
- Dr.J.Maalmarugan participated Anna University “NBA Awareness Workshop on Outcome Based Education and Accreditation” Sponsored by NBA, New Delhi on 20.10.2020.





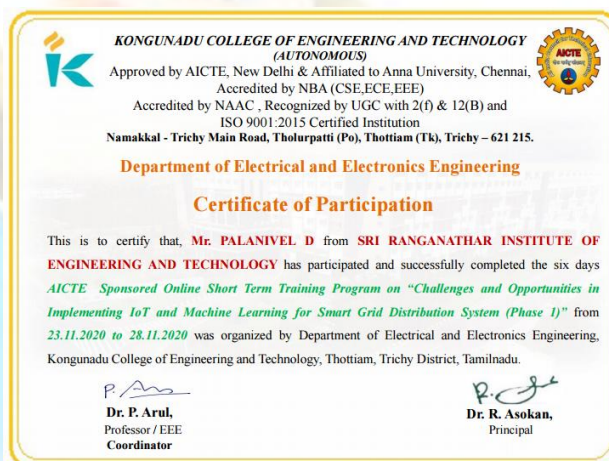
- Mrs K Bagyalakshmi submitted a proposal to conduct an online STTP on “Artificial Intelligence and deep learning for health care application” from 07.12.2020 to 12.12.2020 to Centre of Faculty development Anna university Chennai on 21.10.2020.
- Mrs K Bagyalakshmi motivated 3 final year student to attend two days online workshop on “Fabrication of power supplies and controller for electric vehicles” Organized by Vel tech Rangarajan Dr.Sagunthala R&D Institute of Science and technology on 21.10.2020 & 22.10.2020.
- Mrs D. Nivea attended IEEE Workshop on “IoT for Agriculture Applications” organised by IEEE Mumbai Chapter P.R.Pote College of Engineering & Management , Amaravathi & Pantech E Learning from 22.10.2020 to 24.10.2020.
- Dr.J.Maalmarugan participated in Quiz on “Innovation, Entrepreneurship and Start-ups” organized by Institution’s Innovation Council, Vinayaka Mission’s Kirupananda Variyar Engineering College, Salem - 636 308, Tamilnadu, India on 23.10.2020.
- Mr. Alex George attended AICTE sponsored STTP on “Data analysis for smart grid Technology” conducted by St. Joseph institute of technology from 26.10.2020 To 31.10.2020.
- Mrs M Shanthi attended one week Research Orientation Program organized M.M Institute of Computer Technology and Computer Management from 26.10.2020 to 31.10.2020.
- Mrs D. Nivea attended AICTE Training and Learning (ATAL) academy online FDP on “Innovation Management” organized by Inderprastha Engineering College from 26.09.2020 to 30.09.2020.
- Mrs D. Nivea attended AICTE Sponsored Six Days Online Short- Term Training Program on “Advanced Remote Sensing” from 26.10.2020 to 31.10.2020.
- Mrs D. Nivea attended AICTE Sponsored Six Days Online Short- Term Training Program on “EMERGING TRENDS IN MICRO/NANO SENSOR AND ACTUATORS FOR INDUSTRIAL APPLICATION” by Sri Manakula Vinayagar Engineering College (An Autonomous Institution), Puducherry from 26.10.2020 To 31.10.2020.
- Dr.J.Maalmarugan participated in AICTE Sponsored Three Days Online National Workshop on “Research Challenges in Advanced Power Converters for Electrical Engineering Applications – RCAPCEEA - 2020”, organized by the Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru in association with IEEE NHCE Student Branch Chapter from 27.10.2020 To 29.10.2020
- Mr D. Palanivel attended AICTE Sponsored Three Days Online National Workshop on “Research Challenges in Advanced Power Converters for Electrical Engineering Applications – CAPCEEA - 2020”, organized by the Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru in association with IEEE NHCE Student Branch Chapter from 27.10.2020 to 29.10.2020.



- Mrs D. Nivea attended AICTE Sponsored Three Days Online National Workshop on “Research Challenges in Advanced Power Converters for Electrical Engineering Applications – RCAPCEEA - 2020”, organized by the Department of Electrical and Electronics Engineering, New Horizon College of Engineering, Bengaluru from 27.10.2020 To 29.10.2020.
- Mr P Meenakshi Sundaram attended Webinar on “Educational Facts about the Sun and Solar Supergranulation” organised by Mysore Astronomical Society in association with Gravity Science Foundation (Affiliated to VIPNET, Vigyan Prasara on 30.10.2020
- Mrs D. Nivea attended Webinar on “Educational Facts about the Sun and Solar Supergranulation” organised by Mysore Astronomical Society in association with Gravity Science Foundation (Affiliated to VIPNET, Vigyan Prasara on 30.10.2020.
- Mr. Alex George attended AICTE SPONSORED STTP on “Advanced in power electronics for smart grid” organized by Agni college of technology from 26.10.2020 to 07.11.2020.
- Mrs M Shanthi attended FDP on “Research Trends in Electrical and Electronics” organized by NITTTR, Chandigarh from 26.10.2020 to 30.10.2020. Mrs M Shanthi attended Webinar on “Role of Smart Technology in Maritime Industries” STTP, organized by AMET University from 02.11.2020 to 07.11.2020.
- Mrs D. Nivea attended STTP on “Long range wireless area Network a Futuristic Approach” organized by KSR Institute of Engineering & Technology from 02.11.2020 to 07-11-2020.
- Mrs D. Nivea attended AICTE SPONSORED STTP on “Modelling and Simulation of Renewable Energy Systems using MATLAB” organized by Misrimal Navajee Munoth Jain Engineering College from 02.11.2020 to 07-11-2020.
- Mr.P.Meenakshi Sundaram attended AICTE SPONSORED STTP on “Modelling and Simulation of Renewable Energy Systems using MATLAB” organized by Misrimal Navajee Munoth Jain Engineering College from 02.11.2020 to 07-11-2020.
- Mr. Alex George attended AICTE SPONSORED STTP on “Approach for design and implementation of digital circuits using open-source CAD” organized by SRM Vallammal Engineering college from 02.11.2020 to 07-11-2020.
- M Shanthi, Mr.D.Palanivel, Mrs. D.Nivea and Mr. Muthuraj K attended Webinar on “Intellectual Property Rights, Startup and Innovations” organized by Hindustan College of Engineering & Technology during 07.11.2020.
- Mr. Alex George attended AICTE SPONSORED STTP on “IOT based control for AC/DC microgrid in smart city” organized by SREC from 23.11.2020 to 28.11.2020.
- Mr. Alex George attended AICTE SPONSORED STTP on “Advanced power electronics converters for electric vehicle” organized by QIS college of Engineering from 23.11.2020 to 28.11.2020.



- Mr. Alex George attended AICTE SPONSORED STTP on “Wisdom for Engineering the Education” organized by KIT from 23.11.2020 to 28.11.2020.
- Mrs K Bagyalakshmi attended online STTP on “IoT Application Development using Python” organized by Narasaraopeta Engineering College from 23.11.2020 to 28.11.2020.
- Mr D. Palanivel participated in AICTE Sponsored - Six-Days Online STTP on “Emerging Trends in Micro/Nano Sensor and Actuator for Industrial Applications” organized by Sri Manakula Vinayagar Engineering College, Puducherry from 23.11.2020 to 28.11.2020.
- Mr D. Palanivel participated and successfully completed the six days AICTE Sponsored Online STTP on “Challenges and Opportunities in Implementing IoT and Machine Learning for Smart Grid Distribution System (Phase 1)” organized by Kongunadu College of Engineering and Technology, Thottiam, Trichy from 23.11.2020 to 28.11.2020.



## Technical Message:

**John Hopkinson, FRS, (27 July 1849 – 27 August 1898)** was a British physicist, electrical engineer, Fellow of the Royal Society and President of the IEE (now the IET) twice in 1890 and 1896. He invented the **three-wire (three-phase) system** for the **distribution of electrical power**, for which he was granted a patent in 1882. He also worked in many areas of **electromagnetism and electrostatics**, and in 1890 was appointed professor of electrical engineering at King's College London, where he was also director of the Siemens Laboratory. In 1883 Hopkinson showed mathematically that it was possible to connect **two alternating current dynamos in parallel**, a problem that had long bedevilled electrical engineers. He also studied magnetic permeability at high temperature, and discovered what was later called the Hopkinson peak effect.

