

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRO MEDIA

Department News Letter

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Vision

- To provide innovative teaching and learning methodologies for excelling in a high-value career, higher education and research to the students in the field of Electronics and Communication Engineering to meet the needs of the industry and to be a part of the advancing technological revolution.

Mission

- To create engineers of high quality on par with international standards by providing excellent infrastructure and well qualified faculty.
- To enhance the collaborative and multidisciplinary activities to develop human and intellectual qualities.
- To provide technical expertise to carry out research and development.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Graduates will be able to comprehend Mathematics, Science, Engineering fundamentals, laboratory and work based experience to formulate and solve problems related to the domain and shall develop proficiency in computer based engineering and the use of computational tools.

PEO2: Graduates will be prepared to communicate and work teambased on the multidisciplinary projects practicing the ethics of their profession with a great sense of social responsibility.

PEO3: Graduates will recognize the importance of lifelong learning to shine as experts either as entrepreneurs or as employees and thereby broadening their professional knowledge.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT ORGANIZED EVENTS

- ❖ Conducted One day National Level Workshop on "Industrial Control and Automation using PLC" on 13th February 2020.
- ❖ Conducted "One day National Level Hands – on Training on LabVIEW for Graphical System Design" on 26th February 2020.
- ❖ Conducted "One Day National Level Workshop on Introduction to e-Sim for Circuit Design Applications" on 29th February 2020.
- ❖ Conducted "One Day National Level Workshop on Real Time Applications of IoT" on 29th February 2020.
- ❖ Conducted "One Day National Level Workshop on Industrial Standard IP Core Flow using Verilog HDL" on 5th March 2020.
- ❖ Conducted "One Day National Level Workshop on Artificial Intelligence and Machine Learning" on 6th March 2020.
- ❖ Conducted "One Day National Level Seminar on Role of Internet of Things Technologies in Smart Agricultural Systems" on 7th March 2020.
- ❖ Conducted Webinar on "Industrial Aspects of Neural Networks" on 30th April 2020.
- ❖ Conducted Webinar on "Software Industry - What Next? "An Introduction to AI, Agile, Devops and Cyber Security" on 5th May 2020.
- ❖ Conducted Webinar on "Journey towards Chip Design" on 2nd May 2020.
- ❖ Conducted Webinar on "Development in Product based IT industry" On 3rd May 2020.
- ❖ Webinar on "Web and Mobile trends" on 4th May 2020.
- ❖ Conducted Webinar on "Software Programming Skills needed for Embedded and VLSI Job" on 5th May 2020.
- ❖ Conducted Webinar on "Smart Phone Troubleshooting" on 6th May 2020.
- ❖ Conducted Webinar on "Cloud Computing" on 7th May 2020.
- ❖ Conducted Webinar on "Industrial Automation and Communication Networks" on 8th May 2020.
- ❖ Conducted Webinar on "Web Development and Technologies" on 9th May 2020.
- ❖ Conducted Webinar on "Printers: An Embedded Technology" on 13th May 2020.
- ❖ Conducted Webinar on "How to Become a Better Professional (A Career Guidance Perspective)" on 17th May 2020.
- ❖ Conducted Webinar on "Visualizations using d3.js" on 17th May 2020.
- ❖ Conducted Webinar on "Big Data Analytics using Spark" on 26th May 2020.
- ❖ Conducted Webinar on "Microstrip Antenna Design using CST Software" on 27th May 2020.
- ❖ Conducted Webinar on "Circuit Design in CADENCE Virtuoso in 180nm" on 28th May 2020.
- ❖ Conducted Webinar on "VLSI Design Basics" on 31st May 2020.
- ❖ Conducted Webinar on "API and Middleware Technologies" on 31st May 2020.
- ❖ Conducted Webinar on "Basis of UI Designs and Ideas" on 7th June 2020.
- ❖ Conducted Webinar on "Scope and Guidelines for Higher Studies in Overseas" on 8th June 2020.
- ❖ Conducted Webinar on "VLSI Technology & Trends" on 9th June 2020.
- ❖ Conducted Webinar on "Hardware Installation and Service in Small Scale Industries" on 11th June 2020.
- ❖ Conducted Webinar on "React JS" on 12th June 2020.
- ❖ Conducted Webinar on "Business Project Management" on 13.06.2020.
- ❖ Conducted Five Days Faculty Development Program on "Recent Trends in Information and Communication Systems" from 16th to 20th June 2020.
- ❖ Conducted Virtual Alumni Congress – "Webinar Series I" from 22nd to 26th June 2020.





FACULTY ACHIEVEMENTS

Seminar / Workshop / FDPs / STTPs – Presented / Attended

Dr.P.Karthigaikumar, Professor and Head / ECE

- ❖ Attended Online AICTE faculty development program on “Image and Embedded Processing” organized by NITTTR, Chandigarh from 11th to 15th May 2020.
- ❖ Attended online one week faculty development program on “Insights into quality research and innovation” organized by Vivekanandha College of Engineering for Women, Namakkal from 13th to 20th May 2020.
- ❖ Attended online faculty development program on “NBA accreditation process” organized by NITTTR, Chennai from 20th to 28th May 2020.
- ❖ Attended online faculty development program on “Outcome based curriculum” organized by IILM College of Engineering & Technology, Bhopal from 25th to 29th May 2020.

Dr.T.K.Sethuramalingam, ASP / ECE

- ❖ Attended National level Workshop on “Intellectual Property Rights in Technology transfer and Economic growth Prospectus and challenge” organized by Muthayammal College of Engineering, Rasipuram from 14th to 15th February 2020.
- ❖ Attended Online Two day Faculty Development program on “Virtual Teaching” organized by Coimbatore Institute of Technology from 20th to 21st April 2020.
- ❖ Attended Online Faculty Development program on “Agent based intelligent systems” organized by Sathyabama Institute of Science and Technology, Chennai from 4th to 6th May 2020.
- ❖ Attended Three day Online Faculty development program on “Improving your research visibility-Research impact and metrics” organized by Velalar College of Engineering and Technology, Erode from 11th to 13th May 2020.
- ❖ Attended Online Faculty development program on “IoT trends to drive Innovation for business and digital technology” organized by HIET- Hindustan Institute of Engineering Technology, Coimbatore from 11th to 15th May 2020.
- ❖ Attended One week online faculty development program on “R Language” organized by Auxilium College, Vellore from 13th to 20th May 2020.
- ❖ Attended Online one week faculty development program on “Insights into quality research and innovation” organized by Vivekanandha College of Engineering for Women, Namakkal from 13th to 20th May 2020.
- ❖ Attended online seven days Faculty development program on “Impact of COVID’19 on higher education institution's challenges and responses” organized by Hindusthan College of Arts and Science, Coimbatore from 16th to 22nd May 2020.
- ❖ Attended One week online Faculty development program on “Recent trends in Electrical engineering” organized by Priyadarshini College of Engineering, Nagpur from 18th to 22nd May 2020.
- ❖ Attended online Faculty Development Program on “Principles of management” organized by Panimalar Engineering College, Chennai from 18th to 22nd May 2020.
- ❖ Attended online training on “R training” organized by Spoken tutorial project organized by IIT Bombay on 20th May 2020.
- ❖ Attended online faculty development program on “Computer and Communication Networks” organized by Sri Sairam Engineering College, Chennai from 21st to 27th May 2020.
- ❖ Attended Online Faculty development program on “Examination Reforms” organized by AICTE from 22nd to 25th April 2020.
- ❖ Attended one day hands on training on “Deep Learning with MATLAB” organized by "Coimbatore Institute of Technology on 26th May 2020.
- ❖ Attended one day online national level workshop on “Image Classification using MATLAB” organized by Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru on 24th May 2020.
- ❖ Attended Online Faculty development program on “Robotic Process Automation” organized by Usha Rama College of Engineering and Technology, Andhra Pradesh from 25th to 29th May 2020.

- ❖ Attended One week online faculty development program on “Research methodology tools and techniques” organized by Noorul Islam College of Engineering, Kanyakumari from 29th May to 2nd June 2020.

Dr.C.Priya, ASP/ECE

- ❖ Attended Online AICTE faculty development program on “Image and Embedded Processing” organized by NITTTR, Chandigarh from 11th to 15th May 2020.
- ❖ Attended online faculty development program on “Emerging areas in IT industry and Career opportunities” organized by Sri Easwar Engineering College, Coimbatore on 19th May 2020.
- ❖ Attended online faculty development program on “Machine learning and artificial intelligence in brave new world” organized by Sri Easwar Engineering College, Coimbatore on 20th May 2020.
- ❖ Attended Faculty Development Program on “Discrete Time Signal Processing” organized by NITTTR, Chandigarh from 17th to 22nd June 2020.

Dr.V.Saminathan, ASP/ECE

- ❖ Attended ATAL FDP on “Artificial Intelligence” organized by IIT, Nagpur from 24th to 28th April 2020.
- ❖ Attended online FDP on “Knowledge sharing session on recent trends and its application in electronics” organized by St.Martin's Engineering College, Secunderabad from 3rd to 7th May 2020.
- ❖ Attended one day online workshop on “Advanced Robotics and its applications” organized by Vimal Jyothi Engineering College, Kannur on 30th May 2020.
- ❖ Attended one day online workshop on “Patent Filing and prosecution” organized by Kumaraguru College of Technology, Coimbatore on 1st June 2020.

Dr.S.Deepa, ASP/ECE

- ❖ Attended Five days online FDP on “Block chain technology” organized by Finland Labs (A Unit of Revert Technology Pvt.Ltd.) in association with IIT Roorkee from 8th to 17th May 2020.
- ❖ Attended One day online FDP on “Communication in sensor networks” organized by Ramachandra College of Engineering, Kakinada on 19th May 2020.
- ❖ Attended One day online workshop on “Digital transformation” organized by Ramachandra College of Engineering, Kakinada on 29th May 2020.
- ❖ Attended One day online workshop on “Employee's engagement opportunities and challenges during lockdown” organized by Finland Labs (A Unit of Revert Technology Pvt.Ltd.) in association with IIT Roorkee on 30th May 2020.
- ❖ Attended Five days online FDP on “Artificial intelligence and machine learning using python” organized by Finland Labs (A Unit of Revert Technology Pvt.Ltd.) in association with IIT Roorkee from 18th to 22nd May 2020.
- ❖ Attended Two days online FDP on “Career edge- knock down the lockdown” offered and organized by TCS iON Digital Learning (TCS) from 6th to 7th June 2020.
- ❖ Attended One day online workshop on “Computer networks” organized by SRM Institute of Science and Technology, Chennai on 10th June 2020.

Dr.A.Mohan Babu, AP/ECE

- ❖ Attended Faculty Development Program on “Virtual teaching” organized by Coimbatore Institute of Technology from 20th to 21st April 2020.

Dr.Anita Antony, AP/ECE

- ❖ Attended Faculty Development Program on “Virtual teaching” organized by Coimbatore Institute of Technology from 20th to 21st April 2020.
- ❖ Attended Faculty Development Program on “COVID-19 Pandemic strategies for effective work life balance” organized by Karpagam College of Engineering, Coimbatore from 4th to 8th May 2020.
- ❖ Attended “Interview Skills” online course offered and organized by TCS iON Digital Learning (TCS) on Soft skills from 5th to 10th May 2020.

Mr.G.Arun Francis, AP/ECE

- ❖ Attended online one week Faculty development program on “NAAC Awareness programme” for Faculty organized by Marathwada Mitra Mandal Institute of Technology (MMIT), Pune from 8th to 14th May 2020.
- ❖ Attended online Faculty development program on “Research Challenges in Electrical Engineering” organized by Ramachandra College of Engineering, Kakinada from 18th to 23rd May 2020.

- ❖ Attended online work shop on “Power train and electromagnetic transients” organized by New Horizon College of Engineering, Bengaluru from 18th to 19th May 2020.
- ❖ Attended online Faculty development program on “Machine Learning and deep Learning” organized by SRM Institute of Science and Technology, Chengalpattu from 27th to 31st May 2020.

Ms.L.Saranya, AP/ECE

- ❖ Attended one day online workshop on “RTL Coding and FPGA Design” organized by SNS College of Technology, Coimbatore on 14th February 2020.
- ❖ Attended online Faculty Development Program on “COVID-19 pandemic, strategies for effective work life balance” organized by Karpagam College of Engineering, Coimbatore from 4th to 8th May 2020.
- ❖ Attended “Career Edge -Knockdown the Lockdown” online course – Soft Skills offered and organized by TCS iON Digital Learning (TCS) from 3rd to 29th May 2020.

Ms.T.Happila, AP/ECE

- ❖ Attended Online Faculty Development Program on “Machine learning and Deep Learning” organized by SRM Institute of Science and Technology, Chengalpattu from 27th to 31st May 2020.

Ms.P.Archana, AP/ECE

- ❖ Attended Faculty Development Program on “COVID-19 pandemic, strategies for effective work life balance” organized by Karpagam College of Engineering, Coimbatore from 4th to 8th May 2020.
- ❖ Attended Online Faculty Development Program on “Machine learning and Deep Learning” organized by SRM Institute of Science and Technology, Chengalpattu 27th to 31st May 2020.

Journal Publication – International/National

Dr.A.Rajendran, Professor / ECE

- ❖ Dr.A.Rajendran., published a paper titled "Home Automation for Differently Abled People", International Journal of Advanced Science and Technology, Vol.29, No.3, pp.4058-4066, 2020.
- ❖ Dr.A.Rajendran., published a paper titled "Intravenous drip monitoring system", International Journal of Advanced Science and Technology, Vol.29, No.3, pp.5115-5121, 2020.
- ❖ Dr.A.Rajendran., published a paper titled "Smart Irrigation and leaf disease identification system", International Journal of Advanced Science and Technology , Vol.29, No.3, pp.4058-4086, 2020.

Mr.G.Arun Francis, AP/ECE

- ❖ G.Arun Francis., published a paper titled "Home Automation Chat Bot using IOT", Waffen-Und Kostumkunde Journal, Vol.11, No.2, pp.92-96, 2020.
- ❖ G.Arun Francis ., published a paper titled "Child safety wearable Device using Rasberry Pi", Waffen-Und Kostumkunde Journal, Vol.11, No.2, pp.135-135, 2020.
- ❖ G.Arun Francis., published a paper titled "Accident Detection and Alerting System using GPS and GSM", International Journal of Advanced Science and Technology, Vol.29, No.3, pp.3598-3601, 2020.
- ❖ Arun Francis G., published a paper titled "Backstop Security System using Arduino UNO with ESP8266 MOD", International Journal of Psychosocial Rehabilitation, Vol.24, No.4, pp.1671-1677, 2020.
- ❖ Arun Francis G., published a paper titled "Railway Track Detection Structure Based IOT", International Journal of Psychosocial Rehabilitation, Vol.24, No.4, pp.1690-1697, 2020.

Ms.L.Saranya, AP/ECE

- ❖ L.Saranya., published a paper titled "Power Optimization In Dynamic Random Access Memory Using Low Power Topologies", Test Engineering and Management, Vol.28, No.3, pp.1812-1816, 2020.
- ❖ L.Saranya., published a paper titled "IoT Based Patient Health Care Monitoring System", Test Engineering and Management, Vol.28, No.3, pp.1834-1840, 2020.
- ❖ L.Saranya., published a paper titled "Power Optimization In 8T SRAM Cell Using Bit Interleaving Concept", Test Engineering and Management, Vol.28, No.3, pp.1896-1899, 2020.
- ❖ L.Saranya., published a paper titled "A Novel 8T SRAM Cell with Reduction In Power Using Power Gating Technique", Test Engineering and Management, Vol.28, No.3, pp.1909-1917, 2020.

Dr.V.Saminathan, ASP/ECE

- ❖ Saminathan V., published a paper titled "Algorithm-based Security System using GSM", International Journal of Innovative Technology and Exploring Engineering (IJITEE) , Vol.9, No.5, pp.2389-2393, 2020.
- ❖ Saminathan V., published a paper titled "Memristor based Non-Volatile Random Access Memory Cell by 45nm CMOS Technology", International Journal of Recent Technology and Engineering, Vol.9, No.1, pp.1432-1435, 2020.
- ❖ Saminathan V., published a paper titled "Earthquake and Tsunami Alert Through GSM Network", International Journal of Innovative Technology and Exploring Engineering (IJITEE) , Vol.9, No.5, pp.1091-1094, 2020.

Dr.C.Priya, ASP/ECE

- ❖ Priya C., published a paper titled "Real Time Bus Tracking System using Sim808 and Firebase", Test Engineering and Management, Vol.28, No.3, pp.1962-1969, 2020.
- ❖ Priya C., published a paper titled "Aiding Navigation For Visually Impaired Persons", Test Engineering and Management, Vol.28, No.3, pp.1974-1977, 2020.
- ❖ Priya C., published a paper titled "Breast Cancer Classification and Detection Using Deep Learning Algorithm", Test Engineering and Management, Vol.28, No.3, pp.1992-1998, 2020.

Dr.S.Deepa, ASP/ECE

- ❖ Deepa S., published a paper titled "Soil Ph Determination along with Automated System for Quality Agriculture", International Journal of Advanced Science and Technology , Vol.29, No.3, pp.3669-3674, 2020.
- ❖ Deepa S., published a paper titled "Animal Monitoring Based on IoT Technologies", Waffen-Und Kostumkunde Journal, Vol.11, No.2, pp.332-336, 2020.
- ❖ Deepa S., published a paper titled "IOT Based Garbage Monitoring System", International Journal of Psychosocial Rehabilitation, Vol.24, No.4, pp.1412-1416, 2020.

Dr.P.Eben Sophia, AP/ECE

- ❖ Dr. P. Eben Sophia., published a paper titled "Automatic Garbage Isolator", International Journal of Psychosocial Rehabilitation, Vol.24, No.4, pp.1488-1495, 2020.
- ❖ Dr. P. Eben Sophia., published a paper titled "Wireless Sensor Network for Anti-poaching of Trees based on IOT", Test Engineering and Management, Vol.28, No.3, pp.2011-2016, 2020.
- ❖ Dr. P. Eben Sophia., published a paper titled "Smart Street Light", Test Engineering and Management, Vol.28, No.3, pp.2036-2041, 2020.

Dr.A.Mohan Babu, AP/ECE

- ❖ A.Mohanbabu., published a paper titled "Performance analysis of HfO₂/InAlN/AlN/GaN HEMT with AlN buffer layer for high power microwave applications", Journal of Science: Advanced Materials and Devices, Vol.5, No.2, pp.192-198, 2020.
- ❖ A.Mohanbabu., published a paper titled "Switching Transient Analysis and Characterization of an E-Mode B-Doped GaN-Capped AlGaIn DH-HEMT with a Freewheeling Schottky Barrier Diode (SBD) ", Journal of Electronic Materials, Vol.49, No.1, pp.4091-4099, 2020.
- ❖ A.Mohanbabu., published a paper titled "Novel InAlAsP/GaInP/GaAs Stacked Dual Junction Solar Cell for Photovoltaic Applications", Compliance Engineering Journal , Vol.11, No.2, pp.75-81, 2020.
- ❖ A.Mohanbabu., published a paper titled "Advertisement Blocker using Raspberry pi", Studia Rosenthaliana Journal for the Study of Research, Vol.20, No.3, pp.136-144, 2020.
- ❖ A.Mohanbabu., published a paper titled "Investigation of Quaternary Barrier InAlGaIn/GaN/AlGaIn Double-Heterojunction High-Electron-Mobility Transistors (HEMTs) for High-Speed and High-Power Applications", Journal of Electronic Materials, Vol.49, No.1, pp.524-529, 2020.

Mr.M.Naveenraj, AP/ECE

- ❖ M.Naveenraj., published a paper titled "Monitoring Of Solar Panel Based On IOT", Test Engineering and Management, Vol.29, No.2, pp.331-339, 2020.
- ❖ M.Naveenraj., published a paper titled "Automobile Control Using Face Recognition", Test Engineering and Management, Vol.29, No.2, pp.411-417, 2020.
- ❖ M.Naveenraj., published a paper titled "Brain Lump Division and Arrangement Utilizing Fuzzy C Means and Counterfeit Neural Systems", Test Engineering and Management, Vol.29, No.2, pp.446-450, 2020.

Dr.Anitha Antony, AP/ECE

- ❖ Dr.Anitha Antony., published a paper titled "Fire Fighting Robot", Test Engineering and Management, Vol.29, No.2, pp.503-508, 2020.

Ms.P.Archana, AP/ECE

- ❖ Archana P., published a paper titled "Crop Disease Detection in Image Processing Using MATLAB" , International Journal of Psychosocial Rehabilitation, Vol.24, No.4, pp.1811-1818, 2020.
- ❖ Archana P., published a paper titled "License Plate Recognition using CNN and OCR on SMQT Images Obtained from RANSAC Algorithm", Test Engineering and Management, Vol.29, No.2, pp.565-571, 2020.

Ms.T.Happila, AP/ECE

- ❖ T.Happila., published a paper titled "Real Time Navigation Aid and Object Detector for Visually Impaired People", Test Engineering and Management, Vol.29, No.2, pp.582-587, 2020.
- ❖ T.Happila., published a paper titled "Smart Agriculture Monitoring System Using IoT", Test Engineering and Management, Vol.29, No.2, pp.603-610, 2020.

Conference Publication – International/National

- ❖ Dr.A.Rajendran., presented a paper titled "Shrewd Irrigation and identification of leaf disease system using Android mobile", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.R.Vimalathithan., presented a paper titled "Arduino based home automation system for differently abled persons", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.G.Arun Francis., presented a paper titled "Accident identification and alerting system using IOT", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.C.Arvind., presented a paper titled "IOT based home automation chat bot", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.T.K.Sethuramalingam., presented a paper titled "IOT based railway crack detection structure", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.G.Rajarathinam., presented a paper titled "Raspberry pi based wearable device for child safety", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.G.Premananthan., presented a paper titled "System for accident detection and alerting using GPS and GSM", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.C.Arulmurugan ., presented a paper titled "Backstop protection framework using Arduino UNO ESP8266MOD", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.L.Saranya., presented a paper titled "Soft error issue in low power caches", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.V.Mithya., presented a paper titled "Low power techniques used for power optimization in dynamic random access memory", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mrs.T.Happila., presented a paper titled "Smart agriculture monitoring system using IOT", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.R.Selvakumar., presented a paper titled "Real time navigation aid and object detector for visually impaired people", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.C.Priya., presented a paper titled "A robust detection of breast cancer using CNN classifier", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.R.Deepika., presented a paper titled "An Android app for real time bus tracking system using sim808", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.S.Ramprasath., presented a paper titled "Aiding navigation for visually challenged persons using Arduino", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.P.Archana., presented a paper titled "Gas level and fire prevention monitoring using ATMEGA", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.R.Suguna., presented a paper titled "Support vector machine model for crop disease detection ", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.V.Saminathan., presented a paper titled "Natural disasters alert through LORA and GSM module", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.R.Arunkumar., presented a paper titled "Hybrid non-volatile random access memory cell by memristor based 45nm CMOS technology", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.C.Mukunthraj., presented a paper titled "Software based home locker security system using GSM technology", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.S.Deepa., presented a paper titled "Animal activity monitoring-built scheduled with IOT technologies", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.R.AdelineDaisy., presented a paper titled "Soil PH Resilience with Automated system for quality cultivation", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .

- ❖ Ms.M.J.Nisha., presented a paper titled "IOT centred garbage maintenance system", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.A.MohanBabu., presented a paper titled "Advertisement blocker using Raspberry pi", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.P.Eben Sophia., presented a paper titled "Image enhancement technique using mean quantization transforms and equalization", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.N.M.Jayadevan., presented a paper titled "Automatic garbage isolator", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.K.Kaleeswari., presented a paper titled "Novel InAlAsP/GalnP/GaAs stacked dual junction solar cell for photovoltaic applications", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.K.Kousalya., presented a paper titled "Smart street light system", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.A.Vasumathi., presented a paper titled "Wireless sensor network and IOT for anti-poaching of trees", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Dr.Anita Antony., presented a paper titled "Fire fighting robot for detecting and extinguishing fire", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.M.Naveenraj., presented a paper titled "Fuzzy C means and counterfeit neural systems for brain lump division and arrangement", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Ms.S.Malini., presented a paper titled "Face recognition for automobile control ", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .
- ❖ Mr.D.Philip., presented a paper titled "IOT based monitoring for solar panel", National Conference on Recent Trends in Computer Technology, Karpagam College of Engineering on 28.02.2020 .

NPTEL:

- ❖ Dr.P.Karthigaikumar has successfully completed an NPTEL course entitled Integrated Circuits,MOSFETs,OP-Amps and their Applications.
- ❖ Dr.A.Rajendran has successfully completed an NPTEL course entitled Antennas.
- ❖ Dr.S.Deepa has successfully completed an NPTEL course entitled Computer Networks and Internet Protocol.
- ❖ Mr.Jayadevan N M has successfully completed an NPTEL course entitled Embedded System Design with ARM and awarded with ELITE + GOLD.
- ❖ Mr.Selvakumar R has successfully completed an NPTEL course entitled CMOS Digital VLSI Design and awarded with ELITE.
- ❖ Dr.S.Deepa has successfully completed an NPTEL course entitled Principles of Signals and Systems and awarded with ELITE.
- ❖ Ms.Anitha Antony has successfully completed an NPTEL course entitled CMOS Digital VLSI Design.
- ❖ Ms.P.Archana has successfully completed an NPTEL course entitled Principles of Communication Systems I.
- ❖ Mr.G.Arun Francis has successfully completed an NPTEL course entitled Integrated Circuits,MOSFETs,OP-Amps and their Applications.
- ❖ Dr.S.Deepa has successfully completed an NPTEL course entitled Signals and Systems.
- ❖ Dr.V.Saminathan has successfully completed an NPTEL course entitled CMOS Digital VLSI Design.
- ❖ Dr.C.Priya has successfully completed an NPTEL course entitled Medical Image Analysis.
- ❖ Dr.C.Priya has successfully completed an NPTEL course entitled Principles of Communication Systems I.
- ❖ Ms.L.Saranya has successfully completed an NPTEL course entitled Principles of Communication Systems I.

STUDENT ACHIEVEMENTS IN COCURRICULAR / EXTRACURRICULAR ACTIVITIES

Cocurricular Activities

- ❖ LOVELY has successfully completed an NPTEL course entitled DESCRIPTIVE STATISTICS WITH R SOFTWARE.
- ❖ PRIYADHARSHINI A has successfully completed an NPTEL course entitled DESCRIPTIVE STATISTICS WITH R SOFTWARE.
- ❖ SABARISHKUMAR T has successfully completed an NPTEL course entitled DESCRIPTIVE STATISTICS WITH R SOFTWARE.
- ❖ AHALYA PREETH R has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ ANTONY SURYA A has successfully completed an NPTEL course entitled INTEGRAL AND VECTOR CALCULUS.
- ❖ ANTONY SURYA A has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ BARATH P has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ BHARATHRAJ M has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ BRINDHA B has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ DHINESH. P has successfully completed an NPTEL course entitled INTEGRAL AND VECTOR CALCULUS.
- ❖ HASSAIN E has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.

- ❖ KARTHIKEYAN S has successfully completed an NPTEL course entitled INTEGRAL AND VECTOR CALCULUS.
- ❖ MUKESH KUMAR A has successfully completed an NPTEL course entitled INTEGRAL AND VECTOR CALCULUS.
- ❖ NANDHAKUMAR G has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ RAAMKUMAR.V.S has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ SINDHUJA B has successfully completed an NPTEL course entitled INTEGRAL AND VECTOR CALCULUS.
- ❖ SINDHUJA B has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ SNEGA ROOPA has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ SUBAASH G has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ SWETHA M has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ HANSA SRI R has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ SRI VIDYA NIKETHITHAN R has successfully completed an NPTEL course entitled PROBLEM SOLVING THROUGH PROGRAMMING IN C.
- ❖ DEEPIKA T S has successfully completed an NPTEL course entitled PROGRAMMING IN JAVA.
- ❖ SIVARAMAN P has successfully completed an NPTEL course entitled PROGRAMMING IN JAVA.
- ❖ VEERAKUMAR N has successfully completed an NPTEL course entitled PROGRAMMING IN JAVA.
- ❖ AJAY VINAYAK B has successfully completed an NPTEL course entitled PROGRAMMING IN JAVA.
- ❖ MANIRAJ S has successfully completed an NPTEL course entitled PROGRAMMING IN JAVA.

Extracurricular Activities

- ❖ Haritha C has participated in Foot Ball Event and Secured Fourth Prize at RVS College of Engineering and Technology from 13th to 14th February 2020.
- ❖ Monica A has participated in Foot Ball Event and Secured Fourth Prize at RVS College of Engineering and Technology from 13th to 14th February 2020.
- ❖ Narmadha R has participated in Foot Ball Event and Secured Fourth Prize at RVS College of Engineering and Technology from 13th to 14th February 2020.
- ❖ Kanishya A has participated in Foot Ball Event and Secured Fourth Prize at RVS College of Engineering and Technology from 13th to 14th February 2020.
- ❖ Srinithi S has participated in Foot Ball Event and Secured Fourth Prize at RVS College of Engineering and Technology from 13th to 14th February 2020.

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17L216 INFANT NISHANTH J.

17L219 JEMSHAD J.

18L232 RANJITHKUMAR K.

19L601 PRAVIN SUNDHAR K.

Programme Outcomes:

The following are the program outcomes of the department of Electronics and Communication Engineering. At the end of the program the students will have

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
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
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.

The Program Specific Outcomes:

The program specific outcomes are defined as

PSO1:	Good knowledge and hands-on competence to solve emerging real-world problems related to Electronic Devices and Circuits, Communication Systems, Digital Systems, and Electro-magnetics.
PSO2:	Demonstrate proficiency in specialized software packages and computer programming useful for the analysis/design of electronic engineering systems and profession.