

E-TROLTRONICS

July 2021 – December 2021



Editors:

Mr. E. Muthuramalingam, Asst. Prof. I, EIE
Ms. S. Revathi, Sr. Assistant, EIE
Mr. S R. Sivanikesh, IV year E&I
Mr. S. Mukesh Kumar, IV year E&I
Mr. G. Sabarish, III year E&I
Ms. A. T. Shreenidhi, III year E&I



VISION OF THE INSTITUTE

- The vision of the college is to become a technical university of International Standards through continuous improvement.

MISSION OF THE INSTITUTE

- Kumaraguru College of Technology (KCT) is committed to providing quality Education and Training in Engineering and Technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.

VISION OF THE DEPARTMENT (E&I)

- The Department of Electronics & Instrumentation Engineering (E&I) envisions a holistic education that transforms the learners into responsible engineers which shall enable them to identify significant problems both in industry and society to arrive at creative and sustainable solutions through collaborative team efforts.

MISSION OF THE DEPARTMENT (E&I)

- The Department of Electronics & Instrumentation Engineering (E&I) aims to
 - Implement modern andragogical approach in academics, innovative research initiatives and collaborative projects that shall ethically address the societal needs
 - Develop knowledge and skills required to excel in manufacturing, automation and allied industries on a global platform
 - Expand the knowledge for higher studies and get inspired for lifelong learning



HOD's message:

Electronics & Instrumentation Engineering stabilised in the year 2006 is a specialized branch of Electrical and Electronic Engineering, which focuses on the principle and operation of field instruments SCADA, DCS, PLC'S and the process control systems which are used in design and configuration of automated systems. These engineers work in industries with automated processes, such as chemical or manufacturing plants, with the goal of improving system productivity, reliability, safety, optimization and stability.

Within a short period, we have established all our laboratories and centres of excellence, which are required for the curriculum and several specialized equipment and software, which help the students to do their real time projects. We have placed our students in core industries like Yokogawa, Bosch, Data Patterns, TVS, Tesolve, Saipem, ECON, etc. Many of our alumni have successfully cracked CAT and GATE to gain entrance into the high portals of higher education. Also, we have our students pursuing their higher studies in US, UK, Germany, and Australia.



Dr. K. K. Anil Kumar
Professor & Head, EIE

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

Graduates of B.E (Electronics & Instrumentation Engineering) will

PEO 1	Excel in technical and professional career with core competence in automation.
PEO 2	Possess the passion for professional development by continuous learning in allied Engineering and Management fields.
PEO 3	Engage in resolving industrial and social issues using contemporary tools.
PEO 4	Exhibit professionalism and ethical attitude towards resolving automation issues to society at large.

PROGRAMME OUTCOMES

Graduates of B.E (Electronics & Instrumentation Engineering) will be able to:

PO 1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO 2	Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO 3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.



PO 4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO 5	Create, select, and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO 6	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO 7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO 8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO 10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO 11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO 12	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.

PROGRAMME SPECIFIC OUTCOMES

Graduates of B.E (Electronics and Instrumentation Engineering) will be able to:

PSO 1	Develop, analyse and calibrate Instruments and electronic systems for various real world applications adhering to ISA ethical codes.
PSO 2	Integrate programmable logic controllers (PLC), distributed control systems (DCS) for manufacturing and processing systems and also gain proficiency in relevant software tools.



About the Department

Started in the year 2006, the department of Electronics & Instrumentation Engineering is running a 4-year undergraduate programme in Electronics & Instrumentation Engineering. Since its inception, the department has grown in leaps and bounds with the state of art infrastructure. Yokogawa Centre of Excellence, KCT-FLUKE Centre of Excellence in Calibration, Siemens PLC Automation Laboratory are some of the major centres operational in addition to Advanced Process Control and Computerised sensors laboratories. The department has a team of well qualified, dedicated faculty members with vast experience in industrial and research background. The department is involved in active Industrial consultancy services for neighbouring Industries in the field of Automation. Certified calibration for Electro-Technical /Thermal/Pressure Instruments are some of the prominent consultancy services. Major and Minor projects funded by the government bodies and industries are focused on solving industrial needs. Our association with the professional bodies ISA, ISOI, IEEE, ISTE, IEI and CSI is playing a significant role in

DEPARTMENT ACTIVITIES

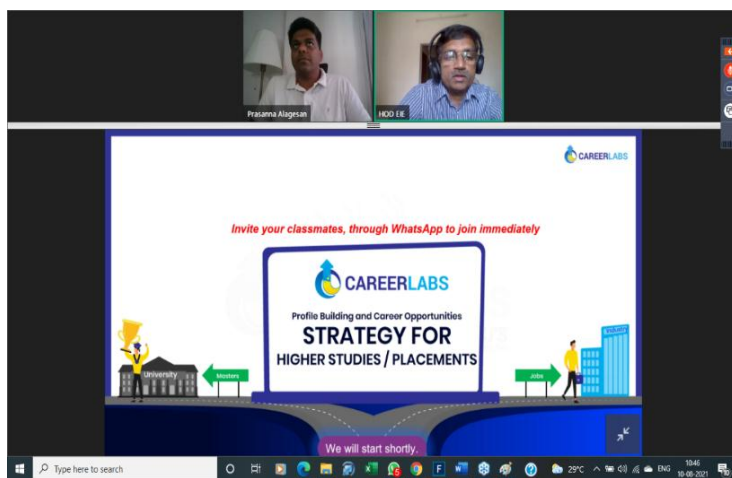
Industrial Automation – Smart Programming & Rise of Industry IoT

The Department of Electronics and Instrumentation Engineering organized 5 Days Training Program on "Industrial Automation – Smart Programming & Rise of Industry IoT " 09 to 13, August 2021 and 18 to 23, August 2021 for students of both internal as an activity of Siemens PLC Automation Centre. And generated the revenue amount of Rs. 1500.

Outcome of the Event: Students gained knowledge on the Basic concepts of Industrial Automation Programming (Ladder Logic), Human Machine Interface (HMI) Programming concepts, interfacing between PLC and HMI and they get knowledge of selection procedures, working operation and the applications. It's very helpful for the curriculum, final year project work and Core placement also.



Webinar on How to get Top Rated Placements, Higher Education & Technical Profile Building by Career labs



The Department of Electronics and Instrumentation Engineering organized the Career development webinar on 10th August 2021 for the IV year EIE Students. Seventy students were participated in the program.

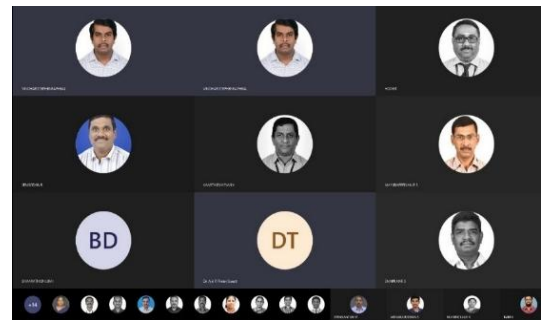
The Resource person Mr.Satish Anand is a Josh Talks Speaker also an Award Winning International Author and Soft Skills Trainer having more than 19 years of experience.

The Second Resource Person Mr.Abhishk gupta is Byju's – National Eminent Speaker, the founding member of Career labs. Students Well Understood about the Know how to get into ISB, NUS, Stanford, MIT, Georgia Tech and with 100% scholarships.

Workshop on Design and Implementation of Outcome Based Curriculum Design and Development

Two days outcome based education workshop on Design and implementation of outcome based curriculum design and development conducted during 17th to 18th September 2021 by the following faculty members Dr.P.S. Mayurappriyan, Professor, EIE, Dr. Ram and Dr. Vinohar Stephen, Bio-Tech, in this workshop.

Above 50 faculty members benefited through this program. The Resource person is Dr. Ajith Thete, Director, Centre for Development of Leadership in Education (I), New Delhi, Pune, Aurangabad

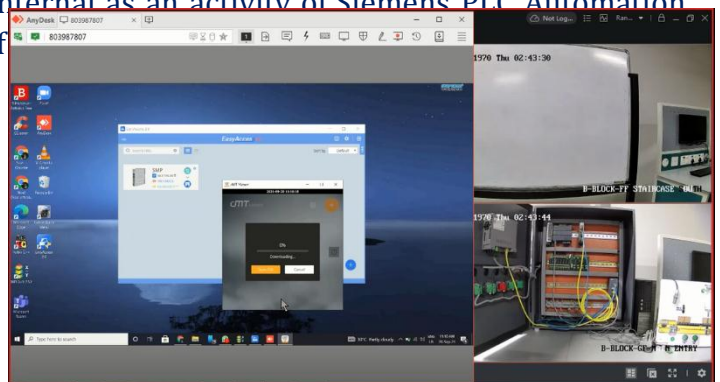


Industrial Automation – Smart Programming & Rise of Industry IoT

The Department of Electronics and Instrumentation Engineering organized 5 Days Training Program on "Industrial Automation – Smart Programming & Rise of Industry IoT " from 13th to 17th September 2021 for students of both internal as an activity of Siemens PLC Automation Centre. And generated the revenue amount of

Outcome of the Event:

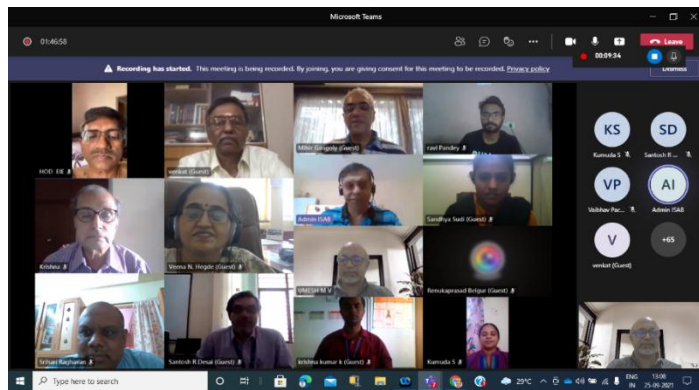
Students gained knowledge on the Basic concepts of Industrial Automation Programming (Ladder Logic), Human Machine Interface (HMI) Programming concepts, interfacing between PLC and HMI and they get knowledge of selection procedures, working operation. and the applications. It's very helpful for the curriculum, final year project work and Core placement also.



Industry 4.0: Real Life Implementation Case Studies

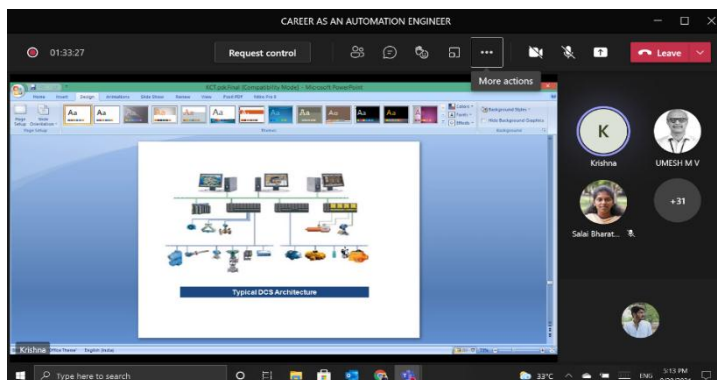
Conducted one-day National level ISAB Virtual Education Series conducted on 25th September 2021 for Engineering students on digital transformation in Industries by Mr.M.V. Umesh, Asso. Prof., EIE. About 83 students were attended the webinar.

The resource person is Mr. Arcot V Rajabhadhur, Industry Veteran, ISAB B with All the Faculty Advisors of ISAB.56 participants were attended the webinar.



Career as an Automation Engineer

Organized a one-day workshop on Career as an Engineer by Mr. M. V. Umesh, Associate Professor, EIE on 28th September 2021. 52 students were participated in the workshop.



The Resource person Mr. P.S Krishna, Principal Consultant from Industriconnect Technologies Pvt Ltd., Bangalore. The outcome of the program is to know more about the opportunities in core industries

Core placement opportunities and Skills to Be Upgrade

The Webinar conducted for the IV year students of EIE on Core placement opportunities and skills to be update on 25th September 2021 by the following faculty members Mr. V. Athappan, AP II, EIE, Mr.M.Saravanabalaji, AP I, EIE and Mr. S. Ranganathan, AP I, EIE.

The guest speakers are Mr.J.Vishnu Vardhan, Director - CRION Skilltech Pvt Ltd - EduTech Start up and Mr. Samabasivarao, Project Coordinator – CLONOSi, at Crion Technologies, Chennai. About 119 students were participated the webinar.



Hands-on workshop on Electro-Technical, Thermal and Pressure Calibration Benches

Two days hands on workshop conducted on Electro technical, Thermal and Pressure Calibration Techniques during 22nd and 23rd October 2021. The resource person is Ms. Gandhimathi, Quality Manager in Shikra Engineering Pvt. Ltd., Singapore. 6 students and 10 faculty members in EIE department were attended the training program. After successful completion of the training program the students were able to understand the concepts of calibration and its importance in measurement system.



Two-Day Hands on Training on Industrial Automation

Hands on training was conducted for the students of Sankara Polytechnic College, Saravanambatti during 29th and 30th November 2021 by Mr. S. Ranganathan, Asst. Prof.EIE.

This program will help them to upgrade their knowledge on Industrial Automation and they can take Automation as their higher education. About sixteen students and one faculty member attended the program.



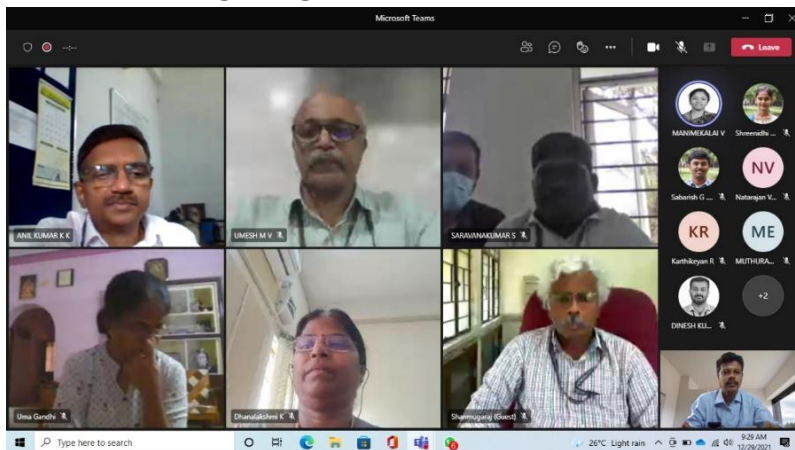
Department Advisory Board (DAB)

Department Advisory Board (DAB) meeting for the academic year 2021-22 has been conducted in our EIE department on 7th December 2021, all the faculty of members of EIE department with the external Academic and Industry expert members from NIT, Trichy, West Texas A&M University, US, VFISLK Global Services Pvt. Ltd., Bengaluru, Industry Connect Technologies Pvt. Ltd, Bengaluru and Sunlux Technologies and Senseops, Bengaluru attended the meeting



Board of studies (BOS) meeting

Board of Studies meeting for the academic year 2021-22 has been conducted on 29th December 2021. In our EIE department, all the faculty of members of EIE department with the external Academic and Industry expert members from NIT, Trichy, West Texas A&M University, US, VFISLK Global Services Pvt. Ltd., Bengaluru, Industry Connect Technologies Pvt. Ltd, Bengaluru and Sunlux Technologies and Senseops, Bengaluru were attended the meeting and given their comments.



FACULTY DEVELOPMENT ACTIVITIES

PROGRAMS ATTENDED BY FACULTIES:

Our faculties have attended more than 150 programs like faculty development programs, STCs, Webinars, online courses, conference, workshops, short term training programs, seminars and various training sessions.

Some of the national and international level programs attended by our faculties are:

- ✚ Dr. P.S. Mayurappriyan, Professor, EIE has attended AICTE Sponsored Two Week FDP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System" - Series I, organised by KPR Institute of Engineering & Technology during 19th to 31st July 2021.
- ✚ Mr. V. Athappan, Asst. Prof. II, EIE has attended AICTE MARGDARSHAN sponsored one week WORKSHOP on "Quality assurance in Technical & Higher Educational Institutions and Interpretation of requirements of NBA Accreditation" during 19th to 23rd July 2021.
- ✚ Mr. M. V. Umesh, Asso. Prof., EIE has attended the five day National level EDP, Virtual (Online) Trainers' Training Programme on Entrepreneurship organized by Entrepreneurship



Development Institute of India (EDII), Ahmedabad during 5th to 9th July 2021.

- ✚ Mr. M. V. Umesh, Asso. Prof., EIE has attended the five day National level Atal FDP on Electric Vehicle and Charging Infrastructure, conducted during 26th to 30th July 2021.
- ✚ Mr. V. Athappan, Asst. Prof. II, EIE has attended the one month National level training program on Innovation Ambassador Training (30th June - 30th July 2021) for Foundation Level - MoE's Innovation Cell.
- ✚ Mr. S. Saravanakumar, AP-I, EIE has attended five days FDP on Introduction to Microchip FPGA, during 19th to 23rd July 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE attended the national level guest lecture under Aegis of AICTE MARGDARSHAN Scheme on the topic, OUTCOME BASED ACCREDITATION organised by National Institute of Technology, Tiruchirapalli on 16th July 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE attended a National level Talk on Future Learning Strategies Event on "Future of On-Line & Blended Learning & Degrees - A Game-Changer" organised by NEAT Cell, AICTE in association with IITM Pals Cares and Shares on 17th July 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE attended a Guest Lecture on 'Outcome Based Accreditation' by Dr T K RADHAKRISHNAN, Professor (HAG), Dept. of Chemical Engineering, NIT Tiruchirappalli under AICTE - Margdarshan scheme on 16th July 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE attended Scholastic Talk Series on Scholastic Talk Series - Session 8, Title: Project Based Learning: Emerging Global Perspectives by Prof. Sanjay Goel, Distinguished Professor and Director, Institute of Engineering and Technology, JK Lakshmipat University, Jaipur, Organised by SFS, IQAC and IIC, KCT on 17th July 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE attended a guest lecture on Guest Lecture on ''Role of ALUMNI in ACCREDITATION' by Dr N Anantharaman, Retd Professor (HAG) and Visiting Professor, Dept of Chemical Engg, NIT, Tiruchirappalli under AICTE - Margdarshan scheme on 19th July 2021.
- ✚ Mr. M.V. Umesh, ASP, EIE attended Scholastic Talk Series, Scholastic Talk Series - Session 8, Title: Project Based



Learning: Emerging Global Perspectives by Prof. Sanjay Goel, Distinguished Professor and Director, Institute of Engineering and Technology, JK Lakshmipat University, Jaipur, Organised by SFS, IQAC and IIC, KCT on 17th July 2021.

- + Mr. M.V. Umesh, ASP, EIE attended Talk on Future Learning Strategies Event on "FUTURE OF ON-LINE & BLENDED LEARNING & DEGREES - A GAME-CHANGER" organised by NEAT Cell, AICTE in association with IITM PALS CARES AND SHARES on 17th July 2021.
- + Mr. M.V. Umesh, ASP, EIE attended a talk series, Live by Choice Not by Chance"- talk by Swami. A. Parthasarathy organized by Vedanta Cultural Foundation on 18th July 2021.
- + Mr. M.V. Umesh, ASP, EIE attended a guest lecture, Hon'ble Prime Minister's Address on Completion of 1 Year of Transformative Reforms under NEP, 2020 on 29th July 2021.
- + Mr. V. Athappan, AP-II, EIE attended an Interactive session National Innovation and Startup Policy (NISP) on 24th July 2021.
- + Dr. K. K. Anilkumar, Prof. & Head, EIE has attended a webinar on Plantwide Optimization by Honey Well on Integrating Control Across Multiple Complex Offshore and Onshore Long Facilities on 7th July 2021.
- + Dr. K. K. Anilkumar, Prof. & Head, EIE has attended a webinar on Artificial Intelligence & Machine Learning Applications in Society by University of Birmingham , UK on 7th July 2021.
- + Dr. K. K. Anilkumar, Prof. & Head, EIE has attended 3 Day AICTE Examination Reforms Online Workshop Organized by All India Council for Technical Education (AICTE) and Chitkara University, Chandigarh during 8th to 10th July 2021.
- + Dr. K. K. Anilkumar, Prof. & Head, EIE has attended a webinar on Masters Degree in Defence Technology, DRDO on 8th July 2021.
- + Dr. K. K. Anilkumar, Prof. & Head, EIE attended webinar on AWS AI and Machine Learning, Psitron Technologies is an IoT and AI Startup on 18th July 2021.
- + Dr. K. K. Anilkumar, Prof. & Head, EIE attended webinar on Young Warrior Orientation by AICTE on 12th July 2021.
- + Dr. K. K. Anilkumar, Prof. & Head, EIE attended ISA PUPID ISAConnect Live "Predictive Maintenance, Optimization and Artificial Intelligence" in Sao PauloSolution Consultants,



Asset Performance Management of Aspen Technology on 14th July 2021.

- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended a webinar on Work Life Blend for Researchers - Self-Actualization, Work & Choices by Springer Nature India Private Limited on 16th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended a webinar on Outcome Based Accreditation' by T K RADHAKRISHNAN, Professor (HAG), Dept. of Chemical Engineering, NIT Tiruchirappalli, through Cisco Webex on 16th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended a refresher webinar on Accreditation as an Appraisal Tool' under AICTE - Margdarshan scheme NITT on 17th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended the Scholastic Talk Series -Session 8 Project Based Learning: Emerging Global Perspectives, Prof. Sanjay Goel, Director Institute of Engineering and Technology, JK Lakshmipat University, Jaipur on 17th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended a webinar on Future of on-line & blended learning & degrees - a game-changer" NEAT cell AICTE on 17th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended talk series of ISA-Bangalore brings you a yet another interesting tech Talk on Trending wireless technology for Gas Detection from United Electric, USA on 23rd July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended a CyPhySS 2021 Symposium, co-hosted by the Robert Bosch Centre for Cyber-Physical Systems, IISc, and ARTPARK during 22nd to 23rd July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended webinar on Curriculum Development for Outcome-based Education' by Dr S Kumanan, Professor (HAG), Dept. of Production Engineering, NIT Tiruchirappalli on 20th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended webinar on IITM Research Initiatives Spotlight - Integrative Biology and Systems Medicine - AI and Data Sciences Cluster on 22nd July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended webinar on Strategies to Enhance Classroom Engagement" jointly organised by KLDA & SFS on 22nd July 2021.



- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended a IITM Research Initiatives Spotlight - Computational Mathematics and Data Science - AI and Data Science Cluster on 26th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended a webinar Talk on National Education Policy-Industrial Connect -AICTE on 27th July 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE attended Workshop on Educational Leadership in 21st Century by Queen's University Belfast, UK on 31st July 2021.
- ✚ Mr. V. Athappan, Asst. Prof. II, EIE has attended five days national level online FDP (ATAL) on Framework for Online Assessment" from 16/08/2021 to 20/08/2021 at National Institute of Technical Teachers Training & Research organized by National Institute of Technical Teachers Training & Research, Chennai during 16th to 20th August 2021.
- ✚ Mr. M. Saravanabalaji, Asst. Prof. I, EIE has attended five days national level online FDP (ATAL) on Framework for Online Assessment" from 16/08/2021 to 20/08/2021 at National Institute of Technical Teachers Training & Research organized by National Institute of Technical Teachers Training & Research, Chennai during 16th to 20th August 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE has attended Three Days Online Workshop on Smart System Design for Industrial IoT Applications using LabVIEW, organized by IET Chennai Local Network from 12th to 14th August 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE has attended National Webinar on Holistic & Multidisciplinary Education -UGC on 2nd August 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE has attended Three-Dimensional Modeling of Multi-Stage Hydraulic Fracturing and Wave Propagation in Fluid-Filled Fractures within a Generalized Finite Element Framework. Prof. Carlos Armando Duarte from the University of Illinois at Urbana-Champaign on 6th August 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE has attended IIC National Webinar on Research, Innovation and Ranking on 11th August 2021.
- ✚ Dr. K. K. Anilkumar, Prof. & Head, EIE has attended 3 days workshop, Arm Education, AICTE and STMicroelectronics are organizing a Faculty workshop on Embedded Systems-An application driven approach from 25th to 27th August 2021.



- + Dr. K. K. Anilkumar, Prof. & Head, EIE has attended a web series CII Education Panel Talk Series: Connecting Education to Industry on 20th August 2021.
- + Dr. P. S. Mayurappriyan, Profssor, EIE has attended Workshop on KOED 2.0 conducted by Project Germainate Team on 14th August 2021.
- + Mr. M. V. Umesh, Asso. Prof. EIE attended the webinar on ISA-Bangalore brings you a yet another interesting TechTalk on trending Industry 4.0 on 28th August 2021.
- + Mr. M. V. Umesh, Asso. Prof. EIE attended Workshop on KOED 2.0 conducted by Project Germainate Team on 14th August 2021.
- + Mr. M. V. Umesh, Asso. Prof. EIE attended has attended Three day National level FDP on "Applied Optics and Photonics" organside by Department of Physics, School of Foundational Sciences, KCT from 10th to 12th August 2021.
- + Mr. S. Ranganathan, Asst. Prof. I, EIE has attended the webinar CII Education Panel Talk Series: Connecting Education to Industry on 20th August 2021.
- + Mr. V. Athappan, AP-II, EIE has attended Independence day webinar on IPR - Key to India's Future Journey organized by Turnip Innovations PVT LTD, Mumbai on 14th August 2021.
- + Mr. V. Athappan, AP-II, EIE has attended the IIC National Webinar on Research, Innovation and Ranking on 11th August 2021.
- + Mr. M. Saravanabalaji, AP-I, EIE has attended Independence day webinar on IPR - Key to India's Future Journey organized by Turnip Innovations PVT LTD, Mumbai on 14th August 2021.
- + Mr. M. Saravanabalaji, AP-I, EIE has attended the IIC National Webinar on Research, Innovation and Ranking on 11th August 2021.
- + Mr. M. Saravanabalaji, AP-I, EIE has attended a workshop on Patent Writing organized by Turnip Innovations PVT LTD, Mumbai on 28th August 2021.
- + Mr. V. Athappan, AP II, EIE attended the online series on Digital Transformation in Industries/Industry 4.0/IIoT organized by ISA, Bangalore on 4th September 2021.



- ✚ Dr. K. K. Anil Kumar, HOD-EIE attended the online series on Digital Transformation in Industries/Industry 4.0/IIoT organized by ISA, Bangalore on 4th September 2021.
- ✚ Mr. M. V. Umesh, Asso. Professor, EIE attended the online series on Digital Transformation in Industries/Industry 4.0/IIoT organized by ISA, Bangalore on 4th September 2021
- ✚ Dr. K. K. Anil Kumar, HOD-EIE attended webinar on Effective Usage of Microsoft Teams by IT partners Quadra Systems Pvt Ltd., Coimbatore on 7th September 2021.
- ✚ Mr. E. Muthuramalingam, AP I, EIE attended three-day National level FDP on Trends in SOC design organized by Vellore Institute of Technology, Vellore during 15th to 17th September 2021.
- ✚ Mr. M.V. Umesh, Asso. Professor, EIE attended two-day workshop on Electric Vehicle Battery Management System organized by IET Chennai Local Network, Chennai during 16th to 17th September 2021.
- ✚ Dr. K. K. Anil Kumar, HOD-EIE attended three-day online training on Design and Implementation of Outcome-based curriculum design and development organized by Learning and Development Academy, KCT from 17th to 19th September 2021.
- ✚ Dr. P. S. Mayurappriyan, Professor, EIE attended three-day online training on Design and Implementation of Outcome-based curriculum design and development organized by Learning and Development Academy, KCT from 17th to 19th September 2021.
- ✚ Dr. K. K. Anil Kumar, HOD-EIE attended three-days web series on Global Leadership in Education organized by ASMA Academia, Pune during 22nd to 24th September 2021.
- ✚ Mr. M. V. Umesh, Asso. Professor, EIE attended three-days web series on Global Leadership in Education organized by ASMA Academia, Pune during 22nd to 24th September 2021.
- ✚ Dr. K. K. Anil Kumar, HOD-EIE attended the online series on Digital Transformation in Industries/Industry 4.0/IIoT organized by ISA, Bangalore on 25th September 2021.
- ✚ Mr. M. V. Umesh, Asso. Professor, EIE attended the online series on Digital Transformation in Industries/Industry 4.0/IIoT organized by ISA, Bangalore on 25th September 2021
- ✚ Ms. G. Sumathra, Jr. Engineer, EIE attended the Webinar on How to assist in Online Classes organized by Dr. MGR



Educational and Research Institute, Maduravoyal, Chennai on 3rd September 2021.

- + Ms. M. Selvapoongothai, Sr. Tech. Associate, EIE attended the Webinar on How to assist in Online Classes organized by Dr. MGR Educational and Research Institute, Maduravoyal, Chennai on 3rd September 2021.
- + Ms. S. Umamaheswari, Tech. Associate, EIE attended the Webinar on How to assist in Online Classes organized by Dr. MGR Educational and Research Institute, Maduravoyal, Chennai on 3rd September 2021
- + Ms. S. Revathi, Sr. Assistant, EIE attended the Webinar on How to assist in Online Classes organized by Dr. MGR Educational and Research Institute, Maduravoyal, Chennai on 3rd September 2021.
- + Mr. V. Athappan, AP II, EIE attended online web series on Career as an Automation Engineer by ISA, Bangalore on 28th September 2021.
- + Mr. M. V. Umesh, Asso. Professor, EIE attended Education Innovation Workshop on Hybrid Modern Classroom: Reimagining Higher Education organized by Elets sponsored by Microsoft on 30th September 2021.
- + Dr. P. S. Mayurappriyan, Professor, EIE attended the National level webinar on Towards Academic Excellence in the 21st Century organized by All India Council for Technical Education (AICTE), New Delhi on 30th September 2021.
- + Mr. M. V. Umesh, Asso. Professor, EIE attended the National level webinar on Towards Academic Excellence in the 21st Century organized by All India Council for Technical Education (AICTE), New Delhi on 30th September 2021.
- + Dr. K.K. Anilkumar, Professor & Head has attended webinar on Improving Ease of Doing Business, Reducing Compliance Burden organized by MoE & AICTE on Good Governance on 01.10.2021.
- + Dr. K.K. Anilkumar, Professor & Head attended webinar on Cu composites for Aerospace Electronics Packaging on 06.10.2021.
- + Dr. K.K. Anilkumar, Professor & Head attended webinar on IIOT Sensors - Design, Applications, and Case Studies in Manufacturing Industries by Prasanna Inamdar Founder of SENSEOPS, ISA Bangalore on 16.10.2021.



- ✚ Dr. K.K. Anilkumar, Professor & Head attended 3 days Innovation Summit 2021 of Schneider Electric from 19 to 21.10.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head attended webinar on Deploying a practical next generation APM for timely ROI organized by Honey well on 20.10.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head attended webinar on Design and Debugging of Embedded systems by Mr. Hareesh Janakiraman, MCU, Applications Engineer, Texas Instruments, Houston on 29.10.2021.
- ✚ Mr. S. Ranganathan, Asst.Prof. I attended the 2 day National level workshop on Connect Coimbatore 2021 - CII Coimbatore from 26 to 27.10.2021.
- ✚ Mrs. G. Sumathra, Jr. Engineer attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT during 22nd and 23rd October 2021.
- ✚ Mrs. S. Umamaheswari, Technical Associate attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT during 22nd and 23rd October 2021.
- ✚ Mrs. M. Selvapoongothai, Sr. Tech. Associate attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT during 22nd and 23rd October 2021.
- ✚ Mrs. V. Manimekalai, AP I attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.
- ✚ Mrs. V. Manimekalai, AP I attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.
- ✚ Mr. M. Saravanabalaji, AP I attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.
- ✚ Mr. E. Muthuramalingam, AP I attended 2 days workshop on Electro technical, Thermal and Pressure Calibration



Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.

- ✚ Mr. S. Saravanakumar, AP I attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.
- ✚ Mr. V. Athappan, AP II attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.
- ✚ Mrs. I. Jeya Daisy, AP II attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.
- ✚ Dr. P. S. Mayurappriyan, Professor attended 2 days workshop on Electro technical, Thermal and Pressure Calibration Techniques in association with IQAC and IIC organized by E&I Department, KCT from 22.10.2021 to 23.10.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended 3 days Knowledge Summit (KS3), Workshops on Sustainable Energy organized by French Institute in India and by Savitribai Phule Pune University from 24 to 26.11.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended webinar on Dynamic Soaring: A Possibility for UAV Flight Missions, organized by The Institution of Engineers (India), Coimbatore Local Centre in association with the Department of Aeronautical Engineering on 20.11.2021.
- ✚ Dr. P. S. Mayurappriyan, Professor has attended 3 days Knowledge Summit (KS3), Workshops on Sustainable Energy organized by French Institute in India and by Savitribai Phule Pune University from 24 to 26.11.2021.
- ✚ Dr. R. Karthikeyan, Professor has attended 3 days Knowledge Summit (KS3), Workshops on Sustainable Energy organized by French Institute in India and by Savitribai Phule Pune University from 24 to 26.11.2021.
- ✚ Dr. R. Karthikeyan, Professor has attended webinar on SSEM SIDBI's 10000 Cr Debt & Equity Funds for Start-Ups and Scale-Ups, organized by Society for Smart E-Mobility (SSEM) & SIDBI on 26.11.2021.
- ✚ Mr. M. V. Umesh, Associate Professor has attended 3 days Knowledge Summit (KS3), Workshops on Sustainable Energy



organized by French Institute in India and by Savitribai Phule Pune University from 24 to 26.11.2021.

- + Mr. M. V. Umesh, Associate Professor has attended eight weeks online NPTEL FDP on Ethics in Engineering Practice from July to October 2021.
- + Mr. M. V. Umesh, Associate Professor has attended twelve weeks online NPTEL FDP on Patent Law for Engineers and Scientists from July to October 2021.
- + Mr. M. V. Umesh, Associate Professor has attended seven days online web series on Responsible AI from 16 to 22.11.2021.
- + Mr. V. Athappan, AP II, EIE has attended 3 days Knowledge Summit (KS3), Workshops on Sustainable Energy organized by French Institute in India and by Savitribai Phule Pune University from 24 to 26.11.2021.
- + Mr. M. Saravanabalaji, AP I, EIE has attended international Conclave Delegate CII Healthcare Startup organized by CII during 20 to 21.11.2021.
- + Dr. P. S. Mayurappriyan, Professor has attended a National level 7 days refresher course, AICTE - ISTE Sponsored One Week Online Induction / Refresher Programme on 'Big Data Analytics for Smart Grid', organised by Sri Krishna College of Engineering & Technology from 14.12.2021 to 20.12.2021.
- + Dr. R. Karthikeyan, Professor & Joint Controller has attended two weeks FDP on Camu-CoE Training Module from 13.12.2021 to 24.12.2021 organized by COE, KCT.
- + Mr. M. V. Umesh, Associate Professor has attended four weeks International training program of Continuous Professional Development (CPD) on the IET Responsible AI Series during 16.11.2021 to 07.12.2021 organized by IET, London.
- + Mrs. I. Jeya Daisy, Asst. Professor II has attended 5 days National level FDP on Stepstone to prepare successful research proposal and publishing research articles in High impact factor from 14.12.2021 to 18.12.2021 organized by Dr.MGR educational and research institute.
- + Dr. R. Karthikeyan, Professor & Joint Controller has attended Two-Day Workshop on Reconstructing Emotional Well-being of Teaching Fraternity for New Normal, organized by KCT in association with MGCL and Delnet, New Delhi from 10.12.2021 to 11.12.2021.



- ✚ Mr. M. Saravanabalaji, Asst. Prof. I has attended the FDP on Embedded Design and Development using Free / Open Source Tools, organised by Centre for Development of Advanced Computing (C-DAC), Thiruvananthapuram from 06.12.2021 to 08.12.2021.
- ✚ Dr. R. Karthikeyan, Professor & Joint Controller has attended a webinar on Resources & Services, by KCT in association with DELNET, New Delhi on 18.12.2021.
- ✚ Dr. P. S. Mayurappriyan, Professor has attended the AICTE webinar on Project Guidance Webinar for UG and PG students of Circuit Engineering Streams, by Dr. Kusum Lata Agarwal, Dept. of EEE, ABES Engineering College, Ghaziabad on 18.12.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended the AICTE webinar on Project Guidance Webinar for UG and PG students of Circuit Engineering Streams, by Dr. Kusum Lata Agarwal, Dept. of EEE, ABES Engineering College, Ghaziabad on 18.12.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended a conclave on Creating an Academic start-up Eco-system, organized by Tamilnadu Startup Growth Conclave, AIC Raisers IEDC I-HUB from 11.12.2021 to 12.12.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended a webinar on Resources & Services, by KCT in association with DELNET, New Delhi on 18.12.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended a webinar on Global Event on Future of Career in Technology, organized by NDLI Club, New Delhi on 16.12.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended the CII Industrial Innovation Award Ceremony by DST- CII Technology Summit on 16 & 17.12.2021.
- ✚ Dr. K.K. Anilkumar, Professor & Head has attended the National level conclave on Scientists on Artificial Intelligence, organized by Institute of Defence Scientists and Technologist, @ SSPL, DRDO. Institute of Defence Scientists & Technologists (IDST) from 22.12.2021 to 23.12.2021.
- ✚ Mr. M. V. Umesh, Asso. Professor has attended the CII Industrial Innovation Award Ceremony by DST- CII Technology Summit on 16 & 17.12.2021.



- ✚ Mr. M. V. Umesh, Asso. Professor has attended the National level conclave on Scientists on Artificial Intelligence, organized by Institute of Defence Scientists and Technologist, @ SSPL, DRDO. Institute of Defence Scientists & Technologists (IDST) from 22.12.2021 to 23.12.2021.
- ✚ Mr. V. Athappan, Asst. Prof. II has attended Two Day Seminar on Intellectual Property Rights and Smart Ways for Writing a Successful Research Grant Proposal, organized by Karpagam College of Engineering from 09.12.2021 to 10.12.2021.
- ✚ Dr. V. Dinesh Kumar, Asso. Professor has attended Two Day Seminar on Intellectual Property Rights and Smart Ways for Writing a Successful Research Grant Proposal, organized by Karpagam College of Engineering from 09.12.2021 to 10.12.2021.
- ✚ Mr. V. Athappan, Asst. Prof. II has attended a webinar on Resources & Services, by KCT in association with DELNET, New Delhi on 18.12.2021.
- ✚ Mr. V. Athappan, Asst. Prof. II has attended the National level conclave on Scientists on Artificial Intelligence, organized by Institute of Defence Scientists and Technologist, @ SSPL, DRDO. Institute of Defence Scientists & Technologists (IDST) from 22.12.2021 to 23.12.2021.
- ✚ Dr. R. Karthikeyan, Professor & Joint Controller has attended the National level workshop on Examination Reforms, organized by AICTE & NITTTR, Bhopal from 27.12.2021 to 29.12.2021.
- ✚ Dr. V. Dinesh Kumar, Asso. Professor, has attended five days FDP on Step stone to prepare successful research proposal and publishing research articles in High impact factor, organized by Dr. MGR Educational and Research Institute, Chennai from 14.12.2021 to 18.12.2021.
- ✚ Mrs. I. Jeya Daisy, Asst. Prof. II, has attended five days FDP on Step stone to prepare successful research proposal and publishing research articles in High impact factor, organized by Dr. MGR Educational and Research Institute, Chennai from 14.12.2021 to 18.12.2021.
- ✚ Mr. S. Saravanakumar, Asst. Prof. I, has attended five days FDP on Step stone to prepare successful research proposal and publishing research articles in High impact factor, organized by Dr. MGR Educational and Research Institute, Chennai from 14.12.2021 to 18.12.2021.

Awards received by Faculty



- + Dr. P. S. Mayurappriyan, Professor, EIE got the award of Award of Merit - Institutional Development given by Kumaraguru College of Technology, Coimbatore in the Teachers Day Award for the year 2020-2021 on 5th September 2021.
- + Dr. V. Dinesh Kumar, Asso. Professor, EIE got the award of Award of Merit - Engal Aasan given by Kumaraguru College of Technology, Coimbatore in the Teachers Day Award for the year 2020-2021 on 5th September 2021.
- + Dr. V. Dinesh Kumar, Asso. Professor, EIE got the award of Award of Merit - Department Contribution given by Kumaraguru College of Technology, Coimbatore in the Teachers Day Award for the year 2020-2021 on 5th September 2021.
- + Dr. V. Dinesh Kumar, Asso. Professor, EIE got the award of Award of Merit - Innovative in Teaching given by Kumaraguru College of Technology, Coimbatore in the Teachers Day Award for the year 2020-2021 on 5th September 2021.
- + Mr. S. Ranganathan, Asst. Professor, EIE got the award of Award of Merit - Student Development given by Kumaraguru College of Technology, Coimbatore in the Teachers Day Award for the year 2020-2021 on 5th September 2021.
- + Mr. V. Athappan, Asst. Prof. II, EIE has got Primary Evaluator award from the Ministry of Education's Innovation Cell, Govt. of India for his Exceptional contribution as a primary evaluator in Toycathon - 2021, received on 16.12.2021.

COLLABORATIVE ACTIVITIES

- + Dr. P. S. Mayurappriyan, Professor, EIE was the Resource Person for Session 2, Day 6 in the National level AICTE Sponsored Two Week FDP on "Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources using Cyber Physical System" - Series I on the title, Renewable Energy Based Charging Stations for Electric Vehicles, organised by AICTE & KPR Institute of Engg. & Technology on 26th July 2021.
- + Dr. P.S. Mayurappriyan, professor, EIE has attended the Doctoral committee meeting of the Research Scholar named Ms. Swetha R Kumar who is pursuing Ph.D under Dr. D. Jeyapransanth of Department of ICE, PSG College of Technology, Coimbatore on 9th August 2021.
- + Mr. M. V. Umesh, Asso. Professor, EIE has attended the ISA Bangalore Section FA meet to identify the topics for ISA



Techtalk series, as Faculty Advisors group to assist ISAB Education Chair on 7th August 2021.

- ✚ Mr. M. V. Umesh, Asso. Professor, EIE has attended ISA Bangalore Section FA meet to finalise topics ISA Techtalk series and sharing of activities, as Faculty Advisors group to assist ISAB Education Chair on 21st August 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE attended the Doctoral Committee meeting Research Scholar named Ms. L. Sarojini who is pursuing PhD under Dr. C. Krishnakumar of Saranathan College of Engineering, Tiruchirapalli on 27th September 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE attended the Doctoral Committee meeting Research Scholar named Ms. Jacqueline Sagaya Pushpam who is pursuing Ph.D under Dr.R. Latha of PSG College of Technology, Coimbatore on 30th September 2021.

Guest Lecture Delivered:

- ✚ Mr. S. Saravanakumar, AP-I, EIE has delivered a guest lecture on Introduction to Microprocessors and Microcontroller to the Third year Fashion Technology students of KCT on 24th August 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE delivered a lecture on Challenges in Harnessing Wind Power, the Webinar conducted by NSRTI, Andhra Pradesh in association with IEEE on 15th September 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE delivered the lecture and the resource person for the Webinar on Research Opportunities in Wind Energy Sector, conducted by IEEE Student Branch, Renewable Energy Club o Dr. NGP Institute of Technology, Coimbatore on 29th September 2021.
- ✚ Mr. V. Athappan, AP II, EIE has chaired the session in the IEEE - 2021 International Conference on Advancements in Electrical Electronics Communication Computing and Automation (ICAECA). - Session Track - "Innovative Engineering and Automation in Agriculture" by KCT on 8th October 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE went as Chief Guest for the Association Inauguration of ECE department, Christ The King Engineering College, Karamadai on 12th October 2021.
- ✚ Dr. P.S. Mayurappriyan, Professor, EIE has chaired the session in the IEEE - 2021 International Conference on



Advancements in Electrical Electronics Communication Computing and Automation (ICAECA) by KCT on 8th October 2021.

CONSULTANCY AND INDUSTRY RELATED ACTIVITIES

Revenue generated through Consultancy and Corporate Training:

- + 5 days National level workshop conducted by Mr. S. Ranganathan, AP-I, EIE on Industrial Automation - Smart Programming & Rais of Industry IoT conducted from 18/08/2021 to 23/08/2021 for three internal students and generated the revenue through the training program is Rs. 1500.
- + Consultancy work has been rendered to Sakthi Polytechnic, Appakoodal, Erode, for the Calibration of Electrical and Electronic Instruments, in EIE department, KCT - Fluke COE in Calibration - Electro Technical Test Bench by the EIE staff members, Dr.P.S.Mayurappriyan, Ms. V. Manimekalai, Ms. Sumathra and Ms. Umamaheswari. Revenue generated is Rs. 12,000 in the month of December 2021.

Industry Connect

- + Dr. P.S. Mayurappriyan, Professor and Mr. S. Saravanakumar, Asst. Prof. I from EIE department are done the Fabrication of Self-Powered Weather Monitoring Station & Publication in IEEE Conference, ICAECA with Mr. Shreenivas K, Founder & CEO, LKST Wind Engineering India, Kethanur, Coimbatore.
- + The Team of Faculty members from EIE department, Mr. S. Ranganathan, AP I, Mr.E.Muthuramalingam, AP I, Mr. M. Saravanabalaji, AP I and Mr. V. Athappan, AP II are working on getting consultancy orders from the various companies and visited the following industries during the month of October 2021. Sree Engineering Equipments, SP Automation and Packing Machine, Sri Hari Electricals, Frontline Technologies, Acufil Machines, AVA Engineering, these industries are located in and around Coimbatore.
- + Dr. R. Karthikeyan, Professor, EIE has contacted Mr. R. Balamurugesh, CEO of Silicon Systems, Coimbatore for Setting up of pH Process control system on 15.11.2021.



- + Dr. R. Karthikeyan, Professor, EIE has contacted Ms. Uma, HR Manager, EMF Innovations, Coimbatore for the proposed Professional Diploma Course on Industrial Automation on 22.11.2021.
- + Dr. R. Karthikeyan, Professor, EIE has contacted Mr. Sendtil Parthasarathy, Director & EVP, Hirotec India Pvt., Coimbatore for the proposed Professional Diploma Course on Industrial Automation on 22.11.2021.
- + Dr. R. Karthikeyan, Professor, EIE has contacted Mr. Arunachalam, Campus Head, Larsen & Toubro Product Development Centre, Coimbatore for Industry projects and consultancy on 24.11.2021.
- + Dr. R. Karthikeyan, Professor, EIE has contacted Ms. Nishanthini, HR Manager Versa Drives Pvt. Ltd., Idikarai, Coimbatore for Industry-Institute Partnership Initiative for the proposed Professional Diploma Course on Industrial Automation Expertise Area: Industrial Drives on 24.11.2021.
- + Mr. S. Ranganathan, AP I and Mr. E. Muthuramalingam, AP I have contacted Siemens India Private Limited for industry project and consultancy work on 25.11.2021.
- + Dr. K.K. Anil Kumar, Prof. & Head and Dr. R. Karthikeyan, Professor, EIE has contacted Mr. Ravi, Chairman of Craftsman Automation Ltd., Arasur, Coimbatore regarding Industry-Institute Partnership Initiative for the proposed Professional Diploma Course on Industrial Automation Expertise Area: Industrial PLCs on 25.11.2021.
- + The following faculty members are of EIE department, Dr. K. K. Anil Kumar, Prof. & Head, Dr. R. Karthikeyan, Prof., Dr. P.S. Mayurappriyan, Prof., Mr. M. V. Umesh, Asso. Prof., Mr. S. Saravanakumar, AP I, Mr. S. Ranganathan, AP I had a kick-off meeting with Mr. S. Rammohan, Sr. DGM - Product Development, Larsen & Toubro Limited, Coimbatore, to discuss the Water Sprinkler Controller development for our equipment for getting the Consultancy and Product development on 17.12.2021.

RESEARCH ACTIVITIES

- + Mr. S. Ranganathan, Asst. Professor I, EIE got provisionally registered as Ph.D Scholar under Anna University, Chennai. Reg. ID. 21153697261 on 27th September 2021.



Patent Granted/Published in the year 2020-21:

- ✦ Dr. P. S. Mayurappriya, Prof. EIE and his team of the following eight members has applied for the Patent titled on "A Method of Air Polluting Monitoring System using Internet of Things", application no. 202141037389 and filed on 18th August 2021. The inventors are Dr. S. Suma Crystal Mary, Mr. S. Suresh Kumar, Dr.J.B.Veeramalini, Dr. P.S. Mayurappriyan, Dr.C. Ramakrishnan, Dr. Hitesh Panchal, Mr.N.S.S. Ramakrishna, Dr. K. Punitha and Mr. Neel Shrimali. It was published on 27th September 2021.
- ✦ Dr. M. Ezhilarasi, Professor, EIE, External scholar Ms. K. Geetha's Viva-voce has been conducted and Ph.D awarded on 6th August 2021 by Anna University, Chennai.

Faculty Publications:

- ✦ Balamurugan, R, Suganthi, K, Umesh. M. V. (2021). Synthesis and surface effects due to laser impairment of 4-methyl-N-methyl pyridiniumtosylate single crystal, AIP Conference Proceedings 2352, 020023, <https://doi.org/10.1063/5.0052470>.
- ✦ Dr. P.S. Mayurappriyan, Professor - EIE, reviewed a paper titled on Power Quality Improvement of Microgrid Fed Electric Ship using Fuzzy Controlled Multi-Pulse/Multi-Level Converter Based VFD of the International Journal of Power Electronics (IJPELEC) in August 2021.
- ✦ Usha S, Palanisamy R, Thamizh T, Karthikeyan B, Manjunathan A, Suresh M, Hitesh Panchal, Mayurappriyan P S, Kishor Kumar S, (2021). A simplified methodology for mitigating the harmonics and common-mode voltage using multi-level inverters for renewable energy applications, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Taylor & Francis, <https://doi.org/10.1080/15567036.2021.1980157>.

Papers Reviewed:

- ✦ Dr. P. S. Mayurappriyan, Professor, EIE has reviewed the paper titled on "A comprehensive review on generation of electricity from industrial noise", IEEE International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA 2021) in July 2021.

- ✚ Dr. V. Dinesh Kumar, Asso. Professor, EIE has reviewed the paper titled on "Design and simulation study of Grid associated Photovoltaic framework using PVSYST software", IEEE International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA 2021) in July 2021.

- ✚ Dr. V. Dinesh Kumar, Asso. Professor, EIE has reviewed the paper titled on "Improvement in Voltage Stability by Optimal Location and Sizing of Hybrid Energy Sources by Genetic Algorithm", IEEE International Conference on Advancements in Electrical, Electronics,



Communication, Computing and Automation (ICAECA 2021) in July 2021.



- ✚ Dr. V. Dinesh Kumar, Asso. Professor, EIE has reviewed the paper titled on "Towards Building Robust Song and Location Detection System Using LBP Features", IEEE International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA 2021) in July 2021.

STUDENT ACTIVITIES

Student Awards

- ✚ SHYAMKANNAN R (18BEI055) student of final year EIE got State level award for Supporting the adult education development in rural area, Maanila Ezhutharivu Virudhu 2020-2021 on 24th November 2021.



In-house Projects

- ✚ The following students of IV year EIE, Kousalya S (18BEI021), Nesan K K (18BEI041), Sangaran A Y (18BEI207) and Charan C M (18BEI203) have done their project on Linear Transfer system, Panel wiring development from 20th to 28th December 2021.

Student – Internships

- ✚ Eniya K M (18BEI032) got internship in Zoho corporation private limited with the stipend of Rs.15000 per month, and attending internship from 9th August 2021.
- ✚ Soundar Raj S (18BEI049) got internship in Vuram Technologies and attending the internship from 11th August 2021.
- ✚ Sangaran A Y (18BEI207) is undergoing internship in Zoho corporation private limited, Vellancheri from 21.10.2021, six month paid internship of Rs. 15000 per month.

The students from EIE batch 2018-2022 who are in LEADERSHIP COUNCIL are mentioned below

SIVANIKESH S R - PRESIDENT - DEPARTMENT ASSOCIATION OF EIE (18BEI047)



MUKESH KUMAR S - PRESIDENT - SPORTS MEN (18BEI053)





Student - Placements

Reg No	Student Name	Placement
17BEI001	DHARANITH T S	Reckon solutions bosch ltd
17BEI002	KAUSALYA S	Zinnov consulting
17BEI004	HYDEN PAUL J	B&R automation
17BEI005	SHOBANA	Vuram
17BEI006	KARTHIK P	TCS
17BEI007	SURYAKUMAR R	Cognizant
17BEI008	NACHAMMAI N	Deloitte
17BEI011	HARI KUMAR K	KEVIN garments(SELF)
17BEI012	ANNA MATHEW	Robert Bosch
17BEI013	GOKUL KRISHNAN S R	Cognizant
17BEI014	MAHA LAKSHMI R	Ageas federal
17BEI015	DHARSHINI C C	TCS
17BEI016	ABHIRAM S	cognizant
17BEI017	SABARISH M	Valeo
17BEI019	MOHAMED AKHSAN SADIQ S	Cognizant
17BEI020	GNANASANDHIYA R	Data foundry ai
17BEI021	SRIRAM R	Aspire systems
17BEI022	PRADEEP P	Aspire systems
17BEI023	SUBA SHREE K.P.	TCS
17BEI026	RISHIKESH M	Zoho
17BEI030	BRAGATHESWARAN	Embed UR
17BEI031	SANGAVI S	L & T Infotech
17BEI035	ELWIN SAM JEBASINGH DOSS.S	LTTS
17BEI036	SRI SURIYA PRAKASH T	Ugam solutions
17BEI037	SIVA S	UNIEAL Labs pvt ltd.
17BEI038	VAISHALI U	Cognizant
17BEI039	KISHORE S	Cognizant
17BEI041	PONSEKHA K G	Accenture
17BEI042	RAJA RAJESWARI	Aspire systems
17BEI043	HARINATH K	Sanmar
17BEI046	SARAVANAN S	Entech company
17BEI047	KEERTHIV SANJAY U G	Capgemini
17BEI049	GOKUL PRASATH N A S	Cognizant
17BEI050	INDIRAPRIYADHARSHINI E	Robert Bosch
17BEI052	Srinithi R	Nissi Infotech Pvt Ltd
17BEI053	JAGATH KUMAR	TATA communications
17BEI055	JAWAKAR AMRISH G	TCS
17BEI201	BARATHI M	KG ISL (6 Months internship)
17BEI202	PRAMODH KESAV R	capgemini
17BEI209	Naveenraj R	Msk autoparts
17BEI213	Kalyana Sundaram S	Sun network Chennai
17BEI215	DAMODARAN B	Avtec