

ELECTRA

A newsletter from the Department of Electrical and Electronics Engineering

MISSION

1. Impart state-of-the-art resources that contribute towards excellence in academics.
2. Collaborate with industries, research organizations and premier academic institutions to encourage creativity and innovation.
3. Inculcate moral and ethical values among the students for the betterment of society.

PEO

Graduates of Electrical and Electronics Engineering shall:

PEO 1: Identify, comprehend and solve problems, and adapt to rapidly evolving technology.

PEO 2: Successfully utilize soft skills, multi-disciplinary approach and leadership qualities to excel in the professional career.

PEO 3: Work in teams with integrity and ethical values to provide technically feasible, economically viable and socially relevant solutions.

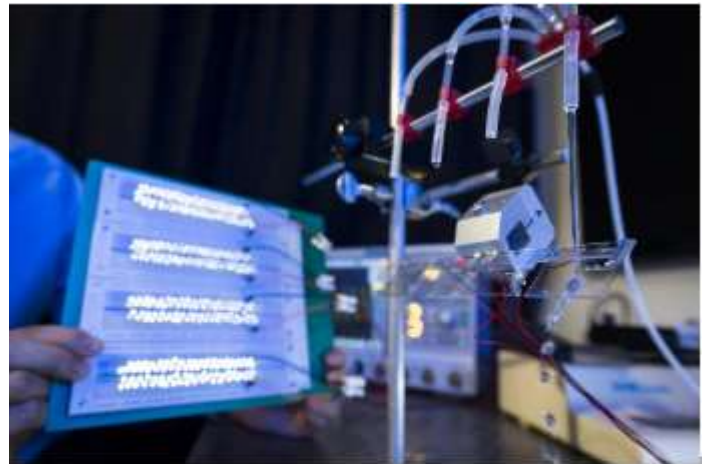
VISION

To produce globally competent and socially committed Electrical and Electronics Engineers contributing value to the knowledge-based economy and society

Electricity Drop by drop

- Mr. Antony Felix, S6 EEE

Hydropower is nothing new, but harnessing the energy in waves, tides and raindrops has remained elusive because conventional technology does not efficiently convert low-frequency kinetic energy into electricity. That challenge has been overcome with an invention by researchers at City University of Hong Kong (CityU) and their collaborators. Their droplet-based electricity generator, features a new transistor structure that enables highly efficient energy conversion rates from single drops of falling water.



With the new droplet-based electricity generator, a drop of water released from a height of 15 cm can generate more than 140 volts, lighting up 100 small LED bulbs.

The research team, which includes researchers at the University of Nebraska-Lincoln and the Beijing Institute of Nanoenergy and Nanosystems, spent two years developing the droplet-based electricity generator (DEG), which can produce thousands of times more power than similar devices.

“Our research shows that a drop of 100 microlitres of water released from a height of 15cm can generate more than 140 volts, and the power generated can light up 100 small LED light bulbs,” says CityU engineer Zuankai Wang, who led the research.

Two crucial components make this possible. First, a material called polytetrafluoroethylene (PTFE), which has a quasi-permanent electric charge that accumulates charges better than other materials is used. The scientists found that the surface charges generated when water droplets continuously hit the surface of PTFE accumulate and gradually reach saturation, overcoming a bottleneck of low charge density encountered in previous work.

Another key feature is a unique set of structures similar to a field-effect transistor (FET), the basic building block of modern electronic devices. Their transistor-like device consists of aluminium and PTFE-covered indium tin oxide (ITO) electrodes. The latter is responsible for the charge generation, storage and induction.

When a falling water droplet hits and spreads on the PTFE/ITO surface, it forms a bridge to the aluminium electrode, creating a closed-loop electric circuit. When the spreading water connects the two electrodes, all the stored charges on the PTFE can be fully released to generate an electric current. As a result, both the instantaneous power density (the amount of power per volume unit) and energy conversion efficiency are much higher than other materials.

MOUs SIGNED

EEE Department of AISAT signed Memorandum of Understanding (MoU) with Society of Energy Engineers and Managers (SEEM) on 9th November 2020.

LUMINA ACTIVITIES

**ഐസാറ്റും സീമും
ധാരണാപത്രം ഒപ്പിട്ടു**
കളമശ്ശേരി • ഐസാറ്റ് എൻജിനീയറിംഗിൽ കോളജും സൊസൈറ്റി ഓഫ് എനർജി എൻജിനീയേഴ്സ് ആൻഡ് മാനേജേഴ്സും (സീം) ധാരണാപത്രം ഒപ്പിട്ടു. വിദ്യാർത്ഥികൾക്ക് ഊർജ്ജ പരിപാലനത്തിന്റെ ആവശ്യകതയെക്കുറിച്ച് ട്രെയിനിങ് കോഴ്സുകളും ഗവേഷണ പ്രോജക്ടുകൾക്ക് സഹായവും ഊർജ്ജ സമ്മേളനങ്ങൾ സംഘടിപ്പിക്കലുമാണ് കൂട്ടായ സംരംഭത്തിലൂടെ ലക്ഷ്യമിടുന്നത്.
കോളജ് മാനേജർ ഫാ.ഡെന്നി മാത്യു പെരിങ്ങാട്ട്, സീം ചെയർമാൻ ഇ.മുഹമ്മദ് ഷെരീഫ് എന്നിവർ ധാരണാപത്രം കൈമാറി.



Talk on Opportunities in Automation Industry

APRIL 16 2021

Mr. Faizal Farook
Director – Operations
Ivion Industrial Academy



Department of Electrical and Electronics Engineering
ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY
Kalamassery, Kochi
www.aisat.ac.in



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Department of EEE presents

WEBINAR

Embedded System and IoT in Digital Age

Registration Link:
<https://forms.gle/VvhsJsjL6mbcvRrNA>

Date: 22nd May 2021
Time: 4.00-5.00 PM
Platform: Google Meet



Mr. AJAY M.P.
Consultant Embedded Systems
TRANSIOT, Kochi

Faculty Coordinator: Ms. Annie Binzy C.A.
Assistant Professor
Phone: 9288850975

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Department of EEE in association with LUMINA
Invites you to join

WEBINAR

Possibilities of Core Engineering in Indian Industries

SATUR DAY | JUNE 12 | 06 PM



Mr. Eril Paul
Manager
Maintenance & Automation
Hesperian (Lazza group of companies-Technical Wing)

REGISTER <https://forms.gle/8eVjnRCLeNqQD36XA>

Ms. Annie Binzy C.A.
9288850975

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Department of EEE in association with LUMINA presents

WEBINAR ON

Career Development Program

OUR GUEST SPEAKER
Mr. Hafiz Kareem
Area Branch Manager
Avodha Edutech

JUNE 19, SATURDAY
02.00 PM

To Register
<https://forms.gle/dp0YefCzEmTtdjw6>

Open to all Students

Organised by Ms. ANNIE BINZY C.A.
9288850975



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WEBINAR ON

Indian Energy Scenario -
 Renewable Energy Resources

Registration Link:
<https://forms.gle/DWTPjbRAGKUmDf7G9>

Google meet link will be shared to registered participants

Faculty Coordinators:
 Mr. Anand Binay C.A. Assistant Professor Phone: 9388458715
 Mrs. Thani Jose Assistant Professor Phone: 7999146131

Resource person
ANHIL ANTONY ALEX
 Assistant Professor
 Dept. of Renewable Energy Management
 ODU Kaushtal KendraSree Sankara College,
 Kality



29 MAY
 2021
 Saturday
 2 : 30 PM - 3 : 30 PM

ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY
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Department of EEE
 Presents
Webinar
 on

Join the free webinar and change your neurons with the insight of the current trends and future scopes in the field of automotive technologies.

ELECTRIC VEHICLES
 Principles | Scope | Future Trends



01-06-2021



03:00-04:30 pm



Mr. Anesh Rajendran
 Energy Technologist
 Energy Management Centre



Register here:
<https://forms.gle/5eUKSPyygd9WBC8tB>

Coordinator Mr. Anand Binay C.A.
 Asst. Professor
 Ph: 9388458715

FACULTY LECTURE SERIES

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FACULTY LECTURE SERIES

DEPARTMENT OF EEE PRESENTS

**RENEWABLE ENERGY
 CHARGING OF
 ELECTRIC VEHICLES**



09 JUNE
 2021

Wednesday
 3 : 30 PM

Dr. LINSS T ALEX

Associate Professor
 Dept. of EEE
 AISAT

FINAL YEAR PROJECTS

- **Smart Energy meter**

Team Members: Liya Varghese, Anu Antony , Rameesa O A, Jinson George



Monitoring and keeping tracking of electricity consumption for verification is a tedious task today since we you need to go to meter reading room and take down readings. Well it is important to know if you are charged accordingly so the need is quite certain. Well we automate the system by allowing users to monitor energy meter readings over the internet. Our proposed system uses energy meter with arduino system to monitor energy usage using a meter. The meter is used to monitor units consumed and transmit the units as well as cost charged over the internet using Wi-Fi connection. This allows user to easily check the energy usage along with the cost charged online using a simple web application. Thus the energy meter monitoring system allows user to effectively monitor electricity meter readings and check the billing online with ease. It presents a low cost and flexible energy meter monitoring system using IOT. This technology offers new and exciting opportunity to reduce our work and to prevent the equipments from damages

- **Automated Walking Guide For Visually Impaired People**

Team Members: Abhijith C D, Ashna Jose, Aldrin Johnson, Christy Glen



This project has implemented a spectacle prototype to assist the visually impaired people with safe and efficient walking in the surrounding's environment. The walking guide uses three pieces of ultrasonic sensors to identify the obstacle in each direction, including front, left and right. In addition, the system can detect potholes on the road surface using an ultrasonic sensor and convolutional neural network (CNN). The CNN runs on an embedded controller to identify obstacles on the surface of the road. Images are trained initially using a CNN on a host computer and are then classified on the embedded controller in real-time. The experimental analysis reveals that the proposed system has 98.73% accuracy for the front sensor with an error rate of 1.26% when the obstacle is at 50 cm distance. In addition, the proposed system obtains the accuracy, precision and recall of 92.67%, 92.33% and 93% respectively for image classification. The experimental study also demonstrates how the developed device outperforms prominent existing works.

- **Sphero Bot: Surveillance & Live Streaming System Using Raspberry Pi**

Team Members: Eaison M T(AIK17EE007) Rohn Steve Mario (AIK17EE013)
Syam Mohan P (AIK15EE014) Gokul S (AIK16EE007)



In the present world, everyone is worried about their safety due to increase in crime rate. This has led to an increase in the importance of a surveillance system. A system is designed for continuous monitoring and also the system provides live streaming. The system can be deployed at the anyplace i.e. office,house and some remote place where people cannot monitor the particular place. The system acts like a Robot within a local area network through Wi-Fi technology using Raspberry pi 4 model B. The live streaming is accomplished by using a webcam interfaced with raspberry Pi . The robot is controlled through webpage's created. The system is programmed using python programming language. The robot is in sherical shape .So it is easily movable . Keywords: Surveillance , Raspberry pi.

STUDENT ACHIEVEMENTS

- Ms. Ann Mary K A of 2018-2022 batch participated in 54 hours techstars startup weekend event ,including the learning of idea to products, business model canvas and validation
- Ms. Ann Mary K A of 2018-2022 batch Completed 7days internship on IOT INTEGRATED ROBOTICS
- Mr. Joelponseka of 2018-2022 batch completed 5day online internship program on POWER DISTRIBUTION AND SAFETY ASPECTS conducted by Alfa Engineering Power Service from 17.06.2021 to 21.06.2021
- Mr. Antony Felix of 2018-2022 batch completed 5days online internship program on POWER DISTRIBUTION AND SAFETY ASPECTS conducted by Alfa Engineering Power Service from 17.06.2021 to 21.06.2021
- Mr. Xavier C J of 2018-2022 batch completed 5 days online internship program on POWER DISTRIBUTION AND SAFETY ASPECTS conducted by Alfa Engineering Power Service from 17.06.2021 to 21.06.2021
- Mr. Xavier C J of 2018-2022 batch completed 5 days online Internship on ELECTRICAL VEHICLES conducted by Techmagi from 02.07.2021 to 06.07.2021
- Mr. Mohammad musthafa R of 2018-2022 batch completed 7days internship on IOT INTEGRATED ROBOTICS
- Mr. Tony T Raju of 2018-2022 batch did Internship on Artificial intelligence - Pace Lab
- Mr. Abel Xavier of 2018-2022 batch attended Android workshop on Carrier in Core Industries
- Mr. Sradha mol k.s of 2019-2023 batch attended Workshop on Electric and future mobility
- Ms. Ann Agnes VP of 2019-2023 batch attended in KERALA's BIGGEST NATIONAL EVENT on field of electric and future mobility

- Ms. Ann Agnes VP of 2019-2023 batch completed 5 days internship on power distribution and safety aspects by alfa electric power service
- Mr. Basim Jauhar Abdul Rasheed of 2019-2023 batch attended KERALA's BIGGEST NATIONAL EVENT on field of electric and future mobility
- Mr. Basim Jauhar Abdul Rasheed of 2019-2023 batch completed 7 days Internship on electric vehicle organised by TECHMAGHI from 02.07.2021 to 06.07.2021
- Ms. N J Anjali of 2019-2023 batch attended KERALA's BIGGEST NATIONAL EVENT on field of electric and future mobility
- Ms. N J Anjali of 2019-2023 batch completed 7 days Internship on electric vehicle organised by TECHMAGHI from 02.07.2021 to 06.07.2021
- Mr. Sidharth Anilkumar of 2020-2024 batch participated in Ludo Competition held on 26th May 2021 in connection with TecXeon_21
- Mr. Kiran A S of 2020-2024 batch participated in the quiz competition Test D Aptitude
- Mr. Kiran A S of 2020-2024 batch competed 7 day Bootcamp on JavaScript and ReactJS by ShapeAI
- Mr. Aaron Alex of 2020-2024 batch completed 7 days online internship in Artificial Intelligence at Goldmine Global Delivery Services Kannur
- Mr. Aaron Alex of 2020-2024 batch completed 7 days Online Internship in Electrical Designing at Goldmine Global Delivery Services Kannur
- Ms. Maria Irene of 2020-2024 batch participated the one day workshop on blockchain: CHAINED organized by Innovation and Entrepreneurship Development Centre.
- Ms. Maria Irene of 2020-2024 batch completed 7 day bootcamp on Javascripts and ReactJS with ShapeAI.
- Ms. Maria Irene of 2020-2024 batch participated in the quiz competition 'Test d aptitude' on 24th April 2021, organized by CS interest group IEEE SB AISAT.

- Ms. Maria Irene of 2020-2024 batch participated in the WiE BEE quiz competition organized by IEEE SB AEC and WiE affinity groups of IEEE SB MEA and IEEE SB GECI on 4th may 2021.
- Mr. Deepak Devassy of 2020-2024 batch completed and secured above 80% in quiz conducted by dept of Biosciences, Union Christian College Aluva as part of World Environmental Day.
- Mr. Deepak Devassy of 2020-2024 batch participated in Workshop on Open Source Tools conducted by Computer Science and Engineering in Association with ICFOSS and CSI student Chapter on 5th of June 2021.
- Mr. Alan Xavier of 2020-2024 batch participated workshop on Introduction to Robotics by Team Pibots by IEEE IAS Student Branch Chapter of MEA Engineering College
- Mr. Alan Xavier of 2020-2024 batch participated in Turochamp Chess Tournament conducted by ACM AJCE student Chapter
- Mr. Alan Xavier of 2020-2024 batch participated in the International Psychology Career Submmit EN- PSYCH -LOPEDIA conducted by 3G School of Psychology
- Mr. Alan Xavier of 2020-2024 batch completed 7days long Bootcamp on JavaScript and React Js by ShapeAI in collaboration with Developer Students Clubs
- Mr. Alan Xavier of 2020-2024 batch completed 7day long Bootcamp on Python and Machine Learning by ShapeAI in collaboration with Developer Students Clubs
- Mr. Alan Xavier of 2020-2024 batch completed 7day long Bootcamp on Basic Web -Dev with Bootstrap by ShapeAI
- Mr. Alan Xavier of 2020-2024 batch Full Stack Web Development program Demo Session (edurekha)

- Mr. Alan Xavier of 2020-2024 batch completed 7days long Bootcamp on Backend Web Dev with Node JS by ShapeAI in collaboration with GDG Ranchi
- Mr. Alan Xavier of 2020-2024 batch completed 7 day long Bootcamp on Python and Deep Learning by ShapeAI in collaboration with with GDG Ranchi
- Mr. Alan Xavier of 2020-2024 batch completed 7days long Bootcamp on Python and Computer Vision by ShapeAI
- Mr. Kiran Joseph of 2020-2024 batch completed workshop on Blockchain:Chained organized by IEDC Rajagiri School of Engineering
- Mr. Vijoy V Delson of 2020-2024 batch participated in 1 day workshop on Cyber Security at BIET Jhansi (7.7.21)
- Mr. Vijoy V Delson of 2020-2024 batch completed 7 day Boot camp on Java scripts and ReactJS with ShapeAI
- Mr. Vijoy V Delson of 2020-2024 batch attended workshop on Open Source Tools conducted by Computer Science and Engineering in Association with ICFOSS and CSI Student chapter
- Mr. Vijoy V Delson of 2020-2024 batch attended workshop on Sustainable Urban Drainage Systems Skill Lync
- Mr. Vijoy V Delson of 2020-2024 batch completed 7day Bootcamp on Data Analytics & Dashboards with ShapeAI
- Mr. Vijoy V Delson of 2020-2024 batch completed 7 day Bootcamp on Data Analytics & Dashboards with Excel with ShapeAI
- Mr. Vijoy V Delson of 2020-2024 batch attended Workshop on blockchain: Chained (8.6.21) organized by Innovation and Entrepreneurship Development Centre (IEDC) Rajagiri School of Engineering
- Mr. Vijoy V Delson of 2020-2024 batch secured 70% on online Quiz on Password Security conducted as a part of National Cyber security Awareness

organized by ISEA Project phase-II , Programme by Ministry of Electronics Information Technology (MeitY) Govt of India

- Mr. Vijoy V Delson of 2020-2024 batch secured 100% on online Quiz on Cyber Ethics conducted as a part of National Cyber security Awareness organized by ISEA Project phase-II , Programme by Ministry of Electronics Information Technology (MeitY) Govt of India
- Mr. Vijoy V Delson of 2020-2024 batch participated in quiz in WiE BEE Quiz Competition organized by IEEE SB AEC
- Mr. Adarsh Joseph M B of 2020-2024 batch was recognised being the top 50 in the event CHECKMATE (23.05.21)
- Ms. Mary Kesiya K M of 2020-2024 batch completed 7days bootcamp on javascript and react js by Shape AI
- Ms. Mary Kesiya K M of 2020-2024 batch successfully completed financial modeling workshop by leapup
- Mr. Rojin Manuel of 2020-2024 batch attended One day Workshop on Cyber security at BIET Jhansi on 07/07/2021
- Mr. Noyal Thomas of 2020-2024 batch took part in online quiz on Cyber Ethics and secured 90% - conducted as a part of National Cyber security Awareness organized by ISEA Project phase - II , programme by Ministry of Electronics Information (MeitY) Govt of India
- Mr. Noyal Thomas of 2020-2024 batch One day Workshop on Cyber Security (7.7.21) at BIET Jhansi
- Mr. Farzeen Ahammed of 2020-2024 batch participated in Don't Repeat it Challenge (7th May) organized by IEEE AG FISAT SB in collaboration with IEEE WIE AG VJEC and IEEE WIE AG JIT
- Ms. Anuja Raju of 2020-2024 batch completed Workshop on Sustainable Urban Drainage Systems (conducted by Skill Lync)

- Mr. Sourabh S of 2020-2024 batch completed 5 day online intership on Electric Vehicles organised by TECHMAGHI in association with Decibels Lab (2-7-21 to 6-7-21)
- Mr. Freshil M Simon of 2020-2024 batch completed 7 day long Bootcamp on JavaScript and Reacts Js by ShapeAI in collaboration with Developer Student Clubs
- Mr. Freshil M Simon of 2020-2024 batch completed 7day long Bootcamp on Python and Data Analytics by ShapeAI in collaboration with GDC Ranchi
- Mr. Deekshith M B of 2020-2024 batch took part in the online quiz on Cyber Bullying and secured 40% conducted as a part of National Cyber security Awareness organized by IISEA Project phase - II , programme by Ministry of Electronics Information (MeitY) Govt of India
- Mr. Deekshith M B of 2020-2024 batch completed 7 day long Bootcamp on Python & Data Analysis by ShapeAI in collaboration with Developer Student Clubs
- Mr. Deekshith M B of 2020-2024 batch participated in online Quiz on Password Security and Secured 40% conducted as a part of National Cyber security Awareness organized by IISEA Project phase - II , programme by Ministry of Electronics Information (MeitY) Govt of India
- Mr. Deekshith M B of 2020-2024 batch participated in online Quiz on Whatsapp Security and secured 53% conducted as a part of National Cyber security Awareness organized by IISEA Project phase - II , programme by Ministry of Electronics Information (MeitY) Govt of India
- Mr. Deekshith M B of 2020-2024 batch completed 7day Python and Machine Learning Bootcamp with ShapeAI
- Mr. Deekshith M B of 2020-2024 batch completed 7 day JavaScript and ReactJs Bootcamp with ShapeAI

- Mr. Deekshith M B of 2020-2024 batch attended Workshop on Blockchain: CHAINED held on 8th June 2021 organized by IEDC ,Rajagiri School of Engineering and Technology
- Mr. Deekshith M B of 2020-2024 batch completed 7 days long Bootcamp on Data Analytics and Dashboards with Excel by ShapeAI in collaboration with GDC Ranchi. Completed 7 days long Bootcamp on Python & Data Analysis by ShapeAI in collaboration with GDC Ranchi
- Mr. Deekshith M B of 2020-2024 batch completed 7 days long Bootcamp on Python & Cyber Security by ShapeAI in collaboration with Developer Students Clubs
- Mr. Kiran Joseph of 2020-2024 batch attended a workshop on Blockchain; Chained organized by IEDC of Rajagiri School of Engineering and Technology, Ernakulam from 24th April to 8th of June 2021.
- Mr. Deekshith M B of 2020-2024 batch completed 7 days long Cyber security Bootcamp with ShapeAI

COURSES COMPLETED



FACULTY ACHIEVEMENTS

TECHNICAL PAPERS

- Asst. Prof. Nirma Peter published a paper titled 'Blue Economy and Marine Renewable Energy including Generation of Offshore and Wind Energy, Tidal Energy and Wave Energy' in the third issue of Annual Technical Volume of Marine Engineering Division of Institution of Engineers
- Prof. Dr. Linss T Alex co-authored and published a paper titled 'Intelligent framework using IoT-based WSNs for wildfire detection' in IEEE Access special section on emerging trends of energy and spectrum harvesting technologies, Volume 9, 2021.

FACULTIES PAPER REVIEW

- Prof. Dr. Linss T Alex reviewed the papers of National Conference on Information, Communication & Intelligent Systems on 11th and 12th June 2021 organised by MGM College of Engineering and Technology, Ernakulam.

COURSE COMPLETION

- Assoc. Prof. Kanaka Xavier completed an online Non- credit course on Python Basics authorized by University of Michigan.
- Assoc. Prof. Kanaka Xavier completed an online course on Solar Energy offered by DelftX, an Online learning initiative of Delft University of Technology.
- Asst. Prof. Treasa Sebastian completed a NPTEL Online Certification Course on Recent Advances in Transmission Insulators.
- Asst. Prof. Nirma Peter completed a NPTEL Online Certification Course on Recent Advances in Transmission Insulators.

- Asst. Prof. Annie Bincy C A completed a NPTEL Online Certification Course on Recent Advances in Transmission Insulators.
- Asst. Prof. Maria Philip completed a NPTEL Online Certification Course on Recent Advances in Transmission Insulators.
- Asst. Prof. Deepu John completed a NPTEL Online Certification Course on Recent Advances in Transmission Insulators.

FACULTY DEVELOPMENT PROGRAM

- Assoc. Prof. Kanaka Xavier attended three days's Examination reforms workshop in online mode held from 12.02.2021 to 15.02.2021 jointly conducted by AICTE & KLE Technological University, Karnataka
- Assoc. Prof. Kanaka Xavier completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on 'Recent development in Sustainable Processes' from 31.05.2021 to 04.06.2021 at Indian Institute of Carpet Technology.
- Assoc. Prof. Kanaka Xavier completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on 'NBA Accreditation Process' from 28.06.2021 to 02.07.2021 at JNTUA Ananthapuram
- Assoc. Prof. Kanaka Xavier attended AICTE-ISTE sponsored Induction/Refresher programme on 'Solar PV System Design using IoT (Phase II)' organized by Sri Venkateswara College of Engineering during 31st March to 8th April 2021.
- Assoc. Prof. Kanaka Xavier attended and acted as Session Co-ordinator in AICTE ATAL sponsored Online Faculty Development Program on 'Recent Developments in Sustainable Processes' organized by Indian Institute of Carpet Technology, Badohi from 31st May to 4th June 2021.
- Asst. Prof. Treasa Sebastian attended National Level Faculty Development Programme on 'Research Initiatives in Advanced Control Systems' conducted by Muthoot Institute of Technology & Science on 22nd – 26th February 2021.

- Asst. Prof. Treasa Sebastian attended three days KTU sponsored online FDP on 'Recent Trends in Electric Vehicles and System Design' organized by Sahrdaya College of Engineering and Technology, Kodakara.
- Prof. Dr. Linss T Alex attended three days KTU sponsored online FDP on 'Recent Trends in Electric Vehicles and System Design' organized by Sahrdaya College of Engineering and Technology, Kodakara.
- Prof. Dr. Linss T Alex attended five day KTU Sponsored Faculty Development Programme on Advancements in Systems for Electric and Hybrid Vehicles' organized by Viswajyothi College of Engineering and Technology, Vazhakulam from 19th to 23rd April 2021.
- Asst. Prof. Treasa Sebastian attended five day KTU Sponsored Faculty Development Programme on Advancements in Systems for Electric and Hybrid Vehicles' organized by Viswajyothi College of Engineering and Technology, Vazhakulam from 19th to 23rd April 2021.
- Asst. Prof. Annie Bincy C A attended five day KTU Sponsored Faculty Development Programme on Advancements in Systems for Electric and Hybrid Vehicles' organized by Viswajyothi College of Engineering and Technology, Vazhakulam from 19th to 23rd April 2021.
- Prof. Dr. Linss T Alex attended ISTE Sponsored Faculty Development Programme on 'Smart Power Grid Technologies-Trends, Oppurtunitites and Challenges' organized by Mar Baselios College of Engineering and Technology, Thiruvananthapuram from 3-8 May 2021.
- Prof. Dr. Linss T Alex attended AICTE Sponsored Faculty Development Programme on 'Renewable Energy and Power Electronics for Electric Vehicle Applications' organized by Rajiv Gandhi Institute of Technology, Kottayam from 26th May to 1st of June 2021.

PLACEMENT ACHIEVEMENTS



EDITORIAL BOARD

Prof. Tresa Sebastian
(Faculty Coordinator)

Alma Tresa Paul, S6 EEE