



विद्युत्

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

INSTITUTE VISION

"Moulding Professionals par Excellence with Integrity Fairness and Human Values".

INSTITUTE MISSION

1. We commit to develop the institution as a Center of Excellence of International Standards
2. We guide our students in the attainment of intellectual and professional competence for successfully coping with the rapid advancements in technologies and the ever changing world of business, industry and services
3. We help each and every student in their personal growth into mature and responsible individuals
4. We strive to cultivate a sense of social and civic responsibility in our students, thus empowering them to serve humanity.
5. We promise to ensure a free environment where quest for the truth is encouraged

VISION OF THE DEPARTMENT

"Mould globally competent Electrical and Electronics Engineers."

MISSION OF THE DEPARTMENT

1. To provide the best academic ambiance.
2. To develop technical and soft skills to cope up with the emerging global scenario.
3. To enhance knowledge by industry and alumni interaction.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering –accredited by National Board of Accreditation, is established in the year 2004 with well equipped state of art laboratories. The Department has a fine blend of renowned as well as young and dynamic personalities as faculty members, who have been motivating the students for getting the best out of them. The department offers under graduate program in Electrical and Electronics Engineering with an intake of 60 students. The department focuses on overall development of the students by encouraging them to take part in student's association activities, internships and industrial training. The department had secured Five University Ranks since its inception, and the 1st Rank of 2013-'17 batch adds a jewel to its crown. The academic strength of the faculty is reflected by the alumni, many of whom are in top echelons of industry and academia both in India and abroad. The students of the department play leading roles in all the activities of the college



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University



Ms. Sreeraj's congratulations to the department of Electrical and Electronics Engineering for bringing out a newsletter portraying the academic and non-academic activities of the department. In the era of 'Outcome Based Education' empowering the students is the thrust area to be addressed in a professional institution and I am happy to know that EEE department is moving towards that goal. I extend best wishes to the faculty teams and students of the department in all their upcoming endeavors.

Dr. K.K. Rajan

LIST OF FACULTY PUBLICATIONS

- **Dr. B. Aruna** published 'performance evaluation of a 200 kWp grid-tied solar power plant in First International Conference of Electrical Energy and Power Engineering 2020, Penang, Malaysia on 27-10-2020.
- **Dr. Sony Kurian**, published 'Identification of Malicious Code Variants using Spp-Net Model and Color Images, "in 2020 IEEE 15th International Conference on Industrial and Information Systems (ICIIIS), IIT Ropar.

TECHNICAL VISITS / SEMINARS / SHORT TERM TRAINING PROGRAMMES

- **Ms. Mereya Baby** coordinated Webinar on 'Solar Power' by Mr. Jose K.C. Managing Director, KC Kopar Energy Solutions Pvt.Ltd., Angamaly on 25th January 2021.
- **Ms. Cini K. and Ms. Smitha Jacob** coordinated webinar on An Introduction to Utility Scale Solar Power Plant Design on 7th November 2020. The Keynote Speaker was Er. Arun Kurian, Solar energy consultant.
- **Dr. Sony Kurian and Ms. Breeza Paulose** coordinated webinar on 'Sliding mode Control and Application' by Dr. Devika K B, Post-Doctoral Fellow- IIT Madras on 31st October 2020.
- **Dr. B. Aruna, Ms. Jis Jose and Ms. Neena Skaria** coordinated 2-day national webinar series on 'Modern power and control systems-issues and solutions' on 10th and 11th December 2020.
- **Mr. Jomu M George** attended webinar on 'How to File National and International Patents' organized by VJCET in association with IEDC, R&D IIIC on 17th October 2020.
- **Mr. Sharone Varghese** attended webinar on 'How to File National and International Patents' organized by VJCET in association with IEDC, R&D IIIC on 17th October 2020.

HOD'S MESSAGE

Nurturing creativity and inspiring innovation are two of the key elements of a successful education, and the newsletter is the perfect amalgamation of both. It harnesses the creative energies of the academic community and distils the essence of their imagination in the most brilliant way possible.

Hence, I am very much delighted to know that our department newsletter "VIDHYUT" is ready for publication. Our tremendous asset is our highly successful alumni and friends. We will revitalise our relationship with them and encourage them to be a part of the department. Their knowledge, expertise and experience will contribute to the intellectual power of the department.

I take this opportunity to congratulate the department for bringing out this newsletter. May all our students soar high in uncharted skies and bring glory to the department, institute and to the world and their profession with the wings of education.

Dr. B. Aruna



- **Ms. Seena Paul** attended webinar on 'How to File National and International Patents' organized by VJCET in association with IEDC, R&D IIIC on 17th October 2020.
- **Ms. Mereya Baby** attended webinar on 'Introduction to Blockchain Academy' by VJCET on 26th February 2021.
- **Dr. B. Aruna** attended Webinar on 'Sliding Mode Control – Theory and Applications' on 31-10-2020 by VJCET.
- **All the faculty members of EEE Department** attended a webinar on 'Virtual Lab' by NIT Surathkal on 4th February 2021.
- **Dr. B. Aruna** attended webinar on 'An Introduction to Utility Scale Solar Power Plant Design' on 7-11-2020 by VJCET.
- **Ms. Jane Maria S** attended webinar on 'Fourth Industrial Revolution and Future of Employment' in association with IEDC, IIIC.

STUDENT ACHIEVEMENTS IN EVENTS HELD IN/OUTSIDE THE COLLEGE.

- **Mr. Jeswin Leo Sabu** of S5 EEE secured Second Position in ARKHITEKTON conducted by Takshak on MACE.
- **Mr. Shrine Sabu** of S5 EEE has participated in Hac'KP online hackathon conducted by Kerala Police.
- **Ms. Dona Mary Rigy, Mr. Manas Tito, Mr. Akash Prakash** of S5 EEE has completed a course in Introduction to HTML5 by University of Michigan.
- **Mr. Sachin Denny, Mr. Sreeraj R Mohan, Yadukrishnan J, Ms. Merin Kuriakose** of S5 EEE has completed a course in AI for Everyone by deeplearning.ai.
- **Mr. Sreeraj R Mohan** of S5 EEE has completed a course in Initiating and planning projects by Coursera.
- **Mr. Sreeraj R Mohan** of S5 EEE has completed a course in Solar Energy-Solar Technology and its Use Worldwide by Alison.
- **Mr. Abhijith Babu, Mr. Shahinsha M.A** of S5 EEE has completed a

course in Programming for Everybody (Getting Started with Python) by University of Michigan

- **Mr. Aswin Abraham** of S5 EEE has done the virtual workshop on "Learn the Essence of Electrical Engineering by applying the concepts at home by College of Engineering, Kidangoor.
- **Mr. Aswin Abraham** of S5 EEE has done the virtual workshop on Recent Advancements in Science & Technology in India by Vikrant Institute of Technology & Management, Gwalior.
- **Ms. Meera R** of S3 EEE has completed a course in Introduction to HTML5 by University of Michigan.
- **Ms. Meera R** of S3 EEE has completed a course in Solar Energy Basics by State University of Newyork.
- **Ms. Meera R** of S3 EEE has completed a course in Data Science Math Skill by Duke University.
- **Mr. Sachin Saji** of S3 EEE has completed a course in 'Introduction to Virtual Reality' by University of London.
- **Mr. Sachin Saji, Mr. Albin Jose and Mr. Abhin Manoj** of S3 EEE has completed a course in COVID-19 Contact Tracing by Johns Hopkins University.
- **Mr. Sachin Saji and Mr. Jishnu Anil** of S3 EEE has completed a course in Introduction to Cloud Identity' by Coursera.
- **Mr. Jishnu Anil and Abhin Manoj** of S3 EEE has completed a course in 'A Beginners guide to Android App Development' on December 10,2020.
- **Mr. Jishnu Anil** of S3 EEE has completed a course Android 50: Crash Course into Android Development on December 2020.
- **Mr. Syam Krishna, Ms. Anakha Venugopal, Ms. Amutha Raaj and Ms. Janet Johnson** of S3 EEE has completed a course in Mind Control: Managing Your Mental Health During COVID-19 by University of Toronto.
- **Ms. Janet Johnson** of S3 EEE has completed a course in from the Big Bang to Dark Energy by The University of Tokyo.
- **Ms. Janet Johnson, Ms. Anakha Venugopal and Ms. Aswani Chandran** of S3 EEE has completed a course in Electric Power systems by the State University of Newyork.
- **Ms. Janet Johnson** of S3 EEE has completed a course in Astro 101: Black Holes by University of Alberta.
- **Ms. Janet Johnson** of S3 EEE has completed a course in The Evolving Universe' by Caltech.
- **Ms. Jyothika George** of S3 EEE has completed a course in Programming for Everybody (Getting started with Python)' by University of Michigan.
- **Ms. Anakha Venugopal, Ms. Sahana P. B, Ms. Seethal Manoj Mohan and Ms. Amutha Raaj** of S3 EEE has completed a course Project Creating Your First C++ Application by Coursera Project Network.
- **Mr. Albin Jose and Mr. Nakul B** of S3 EEE has completed a course in Introduction to Cloud Identity by Coursera.
- **Ms. Nimmi Sabu** of S7 EEE A has completed a course in Wireless communications for Everybody by Yonsei University.
- **Ms. Nimmi Sabu and Ms. Maria Benny** of S7 EEE A has completed a course in Wireless communications for Everybody by Yonsei University.

- **Ms. Maria Benny** of S7 EEE A has completed a course in Build a Full Website using WordPress by Coursera.
- **Ms. Maria Benny** of S7 EEE A has completed a course in Introduction to HTML by coursera.
- **Mr. Aswin Saji John** S7 EEE A has completed training in Value of IEEE Publications in Research and Career Development by VJCET.
- **Mr.Ajo Jhony** of S7 EEE B has completed a workshop in Hybrid Electric Vehicle Technology.
- **Ms. Amrutha Satheesh** of S7 EEE B has completed a course in AI for Everyone by Coursera.
- **Ms. Amrutha Satheesh, Mr. Kevin Mathew George, Ms. Ann Theresa Benny, Ms. Haripriya Narayanan** of S7 EEE B has completed a course in Wireless Communication by Everybody by coursera.
- **Ms. Haripriya Narayanan, Ms. Ann Theresa Benny and Ms. Reshma Jolly** of S7 EEE B has completed courses in Introduction to HTML, Python Basics, Programming fundamentals by coursera.

INVITED TALKS / GUEST LECTUTERS.

- Webinar on 'Solar Power' by Mr. Jose K.C, Managing Director, KC Kopar Energy Solutions Pvt.Ltd., Angamaly on 25th January 2021 for S3 EEE Students.
- Webinar on Sliding Mode Control and Application on 31st October 2020 by Dr. Devika K B, Post-Doctoral Fellow- IIT Madras and Alumna EEE 2006-2010 for S7 EEE students

TRAINING PROGRAMMES ORGANIZED OUTSIDE AND ATTENDED BY THE DEPARTMENT FACULTY

- **Mr. Dileep Kumar P** attended 5-day faculty development program on 'Electromagnetics and Antenna Technology' by LBS Institute of Technology for Women, Trivandrum on 1st to 5th December 2020.
- **Ms. Mereya Baby** attended 5-day faculty development program on 'Electric Vehicles' by ATAL academy from 18-1-2021 to 22-1-2021.
- **Ms. Cini K** attended 5-day faculty development program on 'Electric Vehicles' by ATAL academy from 18-1-2021 to 22-1-2021.
- **Mr. Jomu M George** attended an online session on Electric Vehicle Technology from 16th to 18th October 2020.
- **Ms. Seena Paul** attended 6-days short term training program on 'Power Utilities and Artificial Intelligence-Leveraging the Data' from 23rd – 28th November 2020 by CMR Institute of Technology, Bengaluru.
- **Ms. Breeza Paulose** attended KTU sponsored faculty development program on 'Biomedical Instrumentation-Research Challenges' from 22-2-2021 to 26-2-2021 by Amal Jyothi College of Engineering, Kanjirappally.
- **Ms. Neena Skaria** attended KTU sponsored faculty development program on 'Biomedical Instrumentation-Research Challenges' from 22-2-2021 to 26-2-2021 by Amal Jyothi College of Engineering, Kanjirappally
- **Ms. Smitha Jacob** attended KTU sponsored faculty development program on 'Biomedical Instrumentation-Research Challenges' from 22-2-2021 to 26-2-2021 by Amal Jyothi College of Engineering, Kanjirappally
- **Ms. Jis Jose** attended KTU sponsored faculty development program

on 'Biomedical Instrumentation-Research Challenges,' from 22-2-2021 to 26-2-2021 by Amal Jyothi College of Engineering, Kanjirappally

- ⇒ Ms. Jane Maria S attended KTU sponsored faculty development program on 'Biomedical Instrumentation-Research Challenges' from 22-2-2021 to 26-2-2021 by Amal Jyothi College of Engineering, Kanjirappally
- ⇒ Ms. Breeza Paulose has completed a course in Wireless communication for Everybody by Yonsei university
- ⇒ Ms. Breeza Paulose has completed a course in AI for Everyone by Coursera.
- ⇒ Ms. Mereya Baby has completed a course in 'Solar Energy Basics' by State University of New York.
- ⇒ Ms. Mereya Baby has completed a course in 'Learning How to Learn: Powerful mental tools to help you master tough subjects' by Mc Master University.
- ⇒ Mr. Babu T Chacko attended short term training program on 'Electric Vehicle by ATAL Academy and Bhlai Institute of Technology from 7-12-2020 to 11-12-2020.
- ⇒ Mr. Babu T Chacko attended short term training program on 'challenges and opportunities in electric vehicles' from 16-11-2020 to 5-12-2020 by AICTE and NIT Mizoram.
- ⇒ Mr. Babu T Chacko attended short term training program on 'Power Electronics Application for Smart Grid Electric Vehicles and Renewable Energy from 26-11-2020 to 1-12-2020 by JSS Academy of Technical Education, Noida
- ⇒ Ms. Smitha Jacob completed a course in 'Excel Skills for Business: Essentials by Macquarie University, Sydney, Australia.
- ⇒ Ms. Smitha Jacob completed a course in 'Machine Learning for All by University of London.
- ⇒ Dr. Sony Kurian attended AICTE sponsored One Week Online Short Term Training Programme on "IoT based Manufacturing and Design - Challenges and Opportunity" Phase-1 from 23rd - 28th November 2020.
- ⇒ Dr. Sony Kurian attended AICTE sponsored One Week Online Short Term Training Programme on "IoT based Manufacturing and Design - Challenges and Opportunity" Phase 2 from 14th - 19th December 2020.
- ⇒ Dr. Sony Kurian successfully completed One week AICTE mentor training program by National initiative for technical teachers training and is an AICTE approve mentor for college.

ANY OTHER DEPARTMENT EVENTS / INFORMATION.

- ⇒ KTU has sanctioned financial aid of Rs. 2 lakhs for conducting faculty development program on 'Advancements in Systems for Electric and Hybrid Vehicles'.

WEBINARS

An Introduction to Utility Scale Solar Power Plant Design

The webinar was conducted on 7th November 2020. The Keynote Speaker was Er. Arun Kurian, Solar energy consultant.

Sliding mode Control and Application

The webinar was conducted on 31st October 2020 by Dr. Devika K B, Post-Doctoral Fellow- IIT Madras and Alumna EEE 2006-2010

Guide to become a social Entrepreneur

The webinar was conducted on 6th November 2020 by Mr. K Vijayaraj, Chairman and Managing Director, SUVIRE group of companies

2-day national webinar series

Modern power and control systems-issues and solutions-10 th and 11 th December 2020

- a) Power Transmission and Distribution in Kerala: An Overview by Dr. S R Anand, Deputy Chief Engineer, KSEB Ltd.
- b) Power Quality Its Relevance and Importance by Shri. P Anil Kumar, Managing Director, Eltek International LLC Dubai, UAE and Qu-Power Technologies, Bangalore
- c) Application of Field Oriented Control of Induction Machines by Shri S S. Biswas, Scientific Officer, Design and R7D in Charge, BHAVINI, Dept. of atomic energy

Rev. Fr. Thomas Malekudy Endowment Lecture Series

Rev. Fr. Thomas Malekudy Endowment Lecture Series was conducted by the department on 22nd January 2021. The keynote speaker was Rev. Dr. C.D. Sebastian, Professor of Indian Philosophy, Department of Humanities and Social Sciences, IIT Bombay. He delivered a talk on 'Ethics in Engineering Technology'.

UNIVERSITY EXAM RESULT

Batch	Class	No. of Students Appeared	Pass Percentage
2016-20	S8	66	96.96
2017-21	S6	60	85
2018-22	S4	27	81.48

CURRENT PLACEMENT STATISTICS OF 2017-2021

B.TECH BATCH

SLNo.	Student	Company
1	Akhil Biju	Infosys
2	Anusree R	TCS
3	Anandhu Selivan	Indoshell
4	Ajay M Joy	Bigeta Energy Solutions
5	Midhun Saju	Indoshell
6	Sooraj JS Suresh	Indoshell
7	Ciril Kurian Rison	Sutherland
8	Anakha Raj	Sutherland
9	Christy Baby	Sutherland
10	Mobin Koshy	Sutherland
11	Rubeena A A	Sutherland
12	Albert Augustine	Indoshell
13	Amritha Satheesh Kumar	Sutherland Global
14	Apama R Nair	Infosys
15	Archana P Raju	G10X
16	Jishnu J	Pratian Technologies
17	Jishnu V	Sutherland
18	Joseph Vincent	Hexaware
19	Kiran Babu	Infosys
20	Nandukrishna B	TCS
21	Pranav Sathyan	Emate Technologies
22	Raisa Razak	Hexaware
23	Varsha Antony	Sutherland, Nibodha Technologies
24	Vinod Venugopal	Future Track
25	Eldhose Kuriakose	Powercare Cables