



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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

चिंदेपुर्त

NEWS LETTER July - Dec. 2019
Vol : 12
Issue : 1



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."

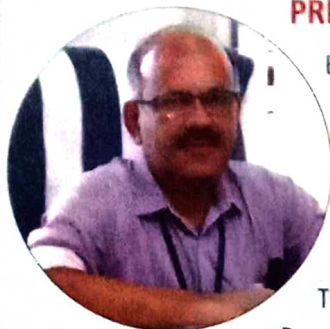
MISSION OF THE DEPARTMENT

1. To provide the best academic ambience.
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

PRINCIPAL'S MESSAGE



Electrical Engineering is one of the oldest, but eternally young and vibrant, fields in engineering. Advances in this area have revolutionized our life-style and are a prime enabler of the sophisticated technological society that we live in today.

The Electrical and Electronics Engineering Department provides a holistic learning experience covering both fundamental theories and extensive experimental and hands-on opportunities. The initiatives taken by the department to mould their students with industrial exposure is highly appreciable. I wish this newsletter "VIDYUTH" all the success.

Dr. Josephkunju Paul C.

HOD'S MESSAGE



"I am very glad to see that EEE Dept is releasing Volume 12, Issue 1 of "VIDYUTH" "EEE department News Letter. Education is not an act of acquiring knowledge, but learning a skill to lead life and forming one's personality. "VIDYUTH " is a platform to amplify and showcase the impressive work of our colleagues and students with new energy and renewed commitment to our mission. I am proud to be a part of this committed community where students work along with faculty and staff. I am very happy to add that our B Tech program has been accredited by NBA which is an excellent example for the dedication and team work of such a committed community. I wish all success for the newsletter "VIDYUTH "to excel in all aspects to motivate the young brains in academic and research endeavors.

Prof. B. Aruna

LIST OF FACULTY PUBLICATIONS

- **Dr. Sony Kurian** published 'Optimization of Process Parameters in Drilling of Carbon Fibre Epoxy Composites' in Technology & Future, January-June 2019.
- **Dr. K.K.Rajan and Dr.B.Aruna** presented 'Temperature Compensation for MI Type Level Sensor for Lead - Lithium Loop System in National conference on 'Emerging trends in Power, Instrumentation, Control and Computing Technologies' from 7th to 9th August 2019.
- **Ms. Jis Jose** Presented 'Voice Controlled Wheelchair' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Ms. Mereya Baby** presented 'Design And Implementation Of Driver Assistance System To Enhance Driver Safety' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Dr. Sony Kurian** presented 'Vertical Axis Wind Turbine For Harvesting Energy From Highways' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Mrs.Breeza Paulose** presented 'Thermal Jacket Using Flexible Heater ' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Mr.Babu T Chacko** presented 'Fault Detection In Distribution Line' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Ms.Steffy Treesa Loui** presented 'Mobile Battery Charger From Sound and
- Light Energy' in National conference on 'Emerging trends in power,

- instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Ms.Seena Paul** presented 'Smart And Intelligent Walking Stick For Blind' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Mrs.Cini K** presented 'Hybrid Fueled Si Engine' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Mr.Babu T Chacko** presented 'Speed Breaker Power Generation' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Mr.Sharone Varghese** presented 'Autosurveyline' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- **Mr.Jomu M George** presented 'Regenerative And Anti-Lock Braking System In Electric Vehicles' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019
- **Ms.Smitha Jacob** presented 'Modernization Of Conventional Railway System' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019
- **Mr.Sharone Varghese** presented 'Self-Reconfigurable Modular Robots' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019
- **Ms.Neena Skaria** presented 'Agriculture Robot For Seeding Function' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019

- Mr. Jomu M George presented 'Digitalization Of Net Metering And Online Billing' in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019
- Ms. Mereya Baby presented 'Wireless Charge Sharing in National conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019

TECHNICAL VISITS / SEMINARS / SHORT TERM TRAINING PROGRAMMES

- Mrs. Mereya Baby and Mrs. Neena Alex coordinated one week KTU sponsored Faculty Development Programme on 'Advancements in Drives, Instrumentation and Control' from 1st to 5th July 2019.
- Dr. Sony Kurian and Mrs. Cini K coordinated National Conference on 'Emerging trends in power, instrumentation, control and computing technologies' from 7th to 9th August 2019.
- Mr. Anees Kurian and Mr. Jomu M George coordinated technical talk on 'Python: Essential in modern day programming in association with SEEM chapter on 6th November 2019.
- Mr. Sharone Varghese coordinated two week International faculty development programme on 'On grid photovoltaic power generation system' in association with SES, Germany
- The faculty members attended one week KTU sponsored Faculty Development Programme on 'Advancements in Drives, Instrumentation and Control' from 1st to 5th July 2019.
- The faculty members attended two week International faculty development programme on 'On Grid Photovoltaic Power Generation System' in association with SES, Germany from 2nd to 16th December 2019.
- The technical staffs attended two week International faculty development programme on 'On grid photovoltaic power generation system' in association with SES, Germany from 2nd to 16th December 2019.

STUDENT ACHIEVEMENTS IN EVENTS HELD IN/OUTSIDE THE COLLEGE.

- Mr. Abin Anil, Mr. Christy Baby and Mr. K.S. Nandukrishna of S7 EEE A secured First prize in Jeelan Gilbert Memorial Quiz competition conducted by EEE department, VJCET
- Mr. Abhijith M A, Mr. Nevin Paul Saju and Mr. Vishal H of S1 EEE secured Second prize in Jeelan Gilbert Memorial Quiz competition conducted by EEE department, VJCET
- Mr. Jeswin Leo Sabu secured First Position in the Power and Energy innovation Hackathon conducted during All Kerala Power and Energy Society Student Colloquium, 2019.

INVITED TALKS / GUEST LECTURERS.

- Technical Talk on Emerging trends in transformers by Ms. Latha C Sekhar, DGM (Design and sales), KEL, Mamala on 24th October 2019 for S7 EEE students.
- Technical Talk on MEP on 26th October 2019 for S7 EEE students.
- Technical Talk on design of power converter for solar PV system by Dr. Vijayakumari, Amritha Viswa Vidhyapeedham, Coimbatore on 31st for S5 EEE students.
- Technical Talk on 'Python: Essential in modern day programming on python' by Shri. Anoop Jose on 6th November 2019 for S3 EEE students.
- Technical Talk by Er. Manu James, M.D, Empower Engineering in 'Electrical System Design' on 19th November 2019 for S7 EEE students.

KTU SPONSORED FDP

The Department conducted a one week KTU sponsored FDP on 'Advancements in Drives, Instrumentation and Control' from 1st to 5th July 2019. The program was inaugurated by Dr. M. Nandakumar, Professor & Former H.O.D, Government Engineering College, Thrissur



NATIONAL CONFERENCE

The Department conducted a 3 day national conference on 'Emerging trends in Power, Instrumentation, Control and Computing Technologies' from 7th to 9th August 2019.



VIDYUTH '19

The association activities for the year was inaugurated by Shri Thomas Daniel, Ex. Sr. Manager of BPCL & Electrical Department Manager Abudhabi National Oil Company on 7th November 2019. Jeesan Gilbert Memorial Quiz competition was also held at the same venue.



INTERNATIONAL SEMINAR

The Department coordinated two week international FDP on 'On grid photovoltaic power generation system' in association with SES, Germany from 2nd to 16th December 2019.



UNIVERSITY EXAM RESULT

Batch	Class	No. of Students Appeared	Pass Percentage
2015-'19	S8	80	82.5
2016-'20	S6	65	50
2017-'21	S4	64	54.69
2018-'22	S2	27	40.74

CURRENT PLACEMENT STATISTICS OF 2016-2020 B TECH BATCH

The students of the department are placed in various companies. As on 6th December 2019 six students of final year have been placed.

Sl.No.	Company	No. of students placed
1	Infosys	3
2	Sutherland Global services	1
3	TCS	2