



## PLACEMENTS



Alan Sam Zakaria, Abraham Mathew, Amal Suresh, Amal V Nair, Emy Ann Jacob, Jibin Joseph, Jijo John, Joel Shajan Varghese, Geevar Paul, Pravin Sam G, Benson M Mathew, Fathima Sabila M N, Sreedev S, Sachin Sam Stephen, Geo Jose are placed at *OEN India Private Ltd.*

Libin Liya got placed at *Nest Technologies.*



Regin Tom, Joel Benny Thomas and Rahul Raj got placed at *Sutherland.*

Ms. Emy Ann Jacob and Mr. Jibin Joseph got placed at *PIT Solutions.*



Beena P Thomas got placed at *Networkz Systems.*

## CERTIFICATIONS / COURSES BY FACULTIES

- *Prof. Anoop Joy* joined post graduate certification course in Data Science offered by IIT, Guwahati.
- *Dr. Anoop K J* completed the NPTEL online certification course on 'Advances in UHV transmission and distribution'.
- *Prof. K Kanchana* completed the NPTEL online certification course on 'Advances in UHV transmission and distribution'.
- *Prof. Griesh R* completed the NPTEL online certification course on 'Electric Vehicles Part-1'.
- *Prof. Prasanth K G* completed the NPTEL online certification course on 'Advanced Control Theory with MATLAB simulations'.

## EDITORIAL BOARD

- **Chief Editor:** Mr. Robins Anto, HoD, EEE
- **Associate Editor:** Mr. Lordson Devasia
- **Editors:** Ms. Annu Mary Zacharias  
Ms. Ansu Thomas  
Ms. Deepa K Suresh

## Newly Joined Faculties



**Dr. Anoop K J**  
Dean - Academics  
PhD in High voltage Engineering



**Prof. K Kanchana**  
Associate Professor  
ME in High voltage Engineering  
Submitted PhD Thesis

## AWARDS AND RECOGNITION OF STUDENTS

- *Mr. Rejin Tom, Mr. Prince Varghese and Mr. Rahul Raj* of S8 EEE has secured second position in the 10th seminar series conducted by KSEB Engineer's Association in association with IEEE PES. And *Mr. Amal V Nair and Mr. Jijo John* has secured third position.
- *Ms. Swetha Ann Mathew* of S6 EEE completed the NPTEL online certification course on 'Fundamentals of semiconductor devices'.

## UPCOMING FDP

KTU sponsored FDP on 'ENERGY MANAGEMENT AND AUDITING'

Objectives

- To understand the concept of energy management and its opportunities
- To understand the different methods used to control peak demand
- To know energy auditing procedure
- To understand different methods used for the economic analysis of energy projects



## ADD-ON COURSES

### I. MASTERING PYTHON APPLICATION DEVELOPMENT

#### HOD's Desk

**Prof. Robins Anto MIEEE, MIE**

Lantern the official newsletter of Dept. of EEE is towards its 3rd edition. The span of Jan- June 2019, was certainly a period of success and growth in terms of resources. Dept has developed full fledged and rosed to the level of NBA norms, in terms of faculty cader with a Professor and Associate professor joining the team. During this span the Dept. had organized its first National Conference on Recent trends in Electrical and Electronics Engineering NCREEE'19 on April 2019 in collaboration with KSEB Engineers association and IEEE PES. Another proudful moment is that KTU have sanctioned 2 lakhs for the second FDP in its class "Energy Audit and Management" which will be conducted by Nov. 2019. In all the semesters students are maintaining consistency in academics which in turn has brought EEE MBC one among the top performing Dept. among the nearby colleges in Kottayam and Idukki districts. Special appreciations to the faculty and students in maintaining the same. And our students are committed in utilizing the membership of professional bodies IEEE, PES, IE, and ISTE. Students are motivated to attend its program and they gain excellent exposure and improve their leadership skills.



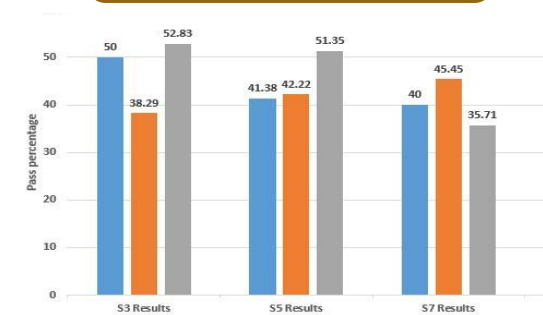
Add on course on Mastering Python Application Development was organized from 15th to 19th July 2019. Python is evolved itself into a global programming language. With the objective of proving Electrical Engineering students an exposure towards python and to equip them well in the job market the course was offered. The resource person was Mr. Sushant E Vargis, Networkz Systems, Trivandrum.

### II. ELECTRICAL SYSTEM DESIGN

Add on course on Electrical System Design was organized from 23rd to 30th July 2019. II. The course was offered with the objective of developing our students in Electrical Engineering, Industry friendly as well as encouraging them to start consultancy in system design and be an entrepreneur. The resource persons are Er. K John, Former Electrical Inspector with 28 years of field experience and Er. Akhil Vinayak, 'A Class' Supervisor with All LT/MV Installation license.



## UNIVERSITY RESULTS DEC 2018



\* Result Analyzer Jyothi Engineering College



## NATIONAL CONFERENCE ON RECENT ADVANCES IN ELECTRICAL & ELECTRONICS ENGINEERING (NCREEE '19)

National Conference on Recent Advances in Electrical and Electronics Engineering, NCREEE' 19 was organized by Department of Electrical and Electronics Engineering in association with Kerala State Electricity Board Employees Association (KSEBEA) and IEEE Power and Energy Society (PES) on 27 April 2019. NCREEE'19 provides platform for new advances and research results. NCREEE'19 has provided a unique platform for students, faculty and researchers, industry persons and scientists around the country to discuss recent developments in the field of Electrical and Electronics and allied areas. It was an excellent arena to publish their original unpublished manuscripts that illustrate significant contribution to the research and developments in Electrical and Electronics Engineering.



No. of papers arrived	259
No. of papers selected	78
No. of students presented	65

The primary goal of this conference is to provide a platform to elaborate the contributions in the field of Electrical and Electronics Engineering. This conference also intends to bring eminent, academicians, researchers, scientists, engineers and students to share their knowledge. Bringing out their innovating ideas and research outputs related to their areas of expertise, their suggestions and improvements to the conference theme.



Dignitaries with Participants

NCREE'19 was inaugurated by Rev. Fr. C John Chirathilattu, Cor-Episcopa Former Director MBCCET. Dr. Rajesh Abraham Joseph, Indian Institute of Space Science (IIST) Trivandrum, delivered the keynote address, Principal Dr. Pradeep C delivered the presidential address. Dr. Krishnakumar M, Member Advisory board NCREEE'19, KSEBEA, CEEBA, Dr. Anoop K J Dean Academics, Dr. Nirmala Joseph HoD Science and Humanities, Prof. Robins Anto, HoD EEE, Prof. K Kanchana addressed the gathering. The papers were presented in four different Tracks.



Best paper award given to Ms.Oshin Peter, M.TechStudent, Rajagiri College of Engineering & Technology, Ernakulam



Track 01: PG Scholars



Track 02: UG Students (EEE)



Track 03: UG Students (EEE)



Track 04: UG Students (EC)



## NOTABLE STUDENT PROJECTS

### SMART IRRIGATION AND ENHANCER SURVEY



A solar based irrigation system and its feasibility in growth enhancement of plants is analyzed by the eighth semester students, Mr. Amal K Joseph, Mr. Jeffin Jacob Paul and Mr. Joel Shajan Varghese under the guidance ship of Prof. Rinu Susan Roy and Prof. Lordson Devasia. An artificial lighting system (red and blue lights) using LED strips was provided for the plants during night which in turn increased the photosynthesis of the plants during the night time. They observed that the rate of growth of plants becomes faster by giving electricity to the stems of the plants.

### DESIGN & IMPLEMENTATION OF INNOVATIVE ELECTRIC BIKE WITH GEAR



Mr. Amal Suresh, Mr. Geo Jose, Mr. Visakh M S, Mr. Vipin Benny of S8 EEE developed an electric bike incorporated with a gear system to get a speed range of 0-80 km/hr under the guidance ship of Dr. Anoop K J. Because of the synchronization between the electric engine and ICE driving forces, less petroleum is utilized. If one vehicle can spare about a normal of 30% of oil fuel, about 50% of fossil fuel can be saved by utilizing this technology. They tested the bike in hilly terrain and were found successful. The uniqueness in the project is that electric bike with gear is not available in the market. The students believe that this research will contribute to the development of the same.

## ALUMNI SPEAKS

Alumini speak by **Jumana P Sabi**, 2011-2015 batch on 12th March 2019



Alumini speaks by **Anju Mary Ravi**, 2011-2015 batch on 21st March 2019



## SEMESTER TOPPERS



Hanna Sara Abey  
S3 Topper (SGPA: 9.9)



Swetha Ann Matew  
S5 Topper (SGPA:8.2)



Beena P Thomas  
S5 Topper (SGPA: 9.25)

## INDUSTRIAL VISIT

- S2 EEE students Visited Pallivasal hydroelectric power plant on 30/03/19
- S5 EEE students visited KELTRON on 25/03/19

## COMPANIES PROVIDING INTERNSHIP

