



## HOD's Desk

### Prof. Robins Anto MIEEE, MIE

On the offset of the release of the second volume of the Department Chronicle, "Lantern", I am immensely proud to say that the Department has progressed in all spears of academics and infrastructure over past one year. With 2 newly installed laboratories namely Mipower & Computing lab and Power Systems lab, results of University exams souring high especially in S2 and S6 results it is evident that EEE Department is leaping towards academic excellence. 2015-19 batch students, made us proud by hitting 13 th position in the recent APJKTU results. The 13th batch of Electrical & Electronics Engineers, consisting of 35 students graduated in 2018, which is yet another significant miles stone. The Department was sanctioned 2 lakhs by the Kerala Technological University for conducting FDP on "Electrical System Design". The program was successfully conducted with 30 faculty members from various engineering colleges. With the vision to develop our students professionally and globally, the Department initiated operations of 3 new student chapters of professional bodies including IEEE Power and Energy Society, IEI Students chapter and ISTE Chapter. I hope that in the days to come technical societies will help students, for a better exposure with technical empowerment.

## VISION

To emerge as a center of excellence bringing forth globally competent and Socially committed Electrical and Electronics Engineers

## ABOUT THE DEPARTMENT

The Department of Electrical Engineering aims to produce skilled and competent engineers who aim for greater heights. The curriculum is well designed to develop an aspirant into a full-fledged Electrical and Electronics Engineer. The university also allows customized minor courses to satisfy the needs of the students. We are proud that the majority of our department graduates are employed in leading Electrical, Electronic, Communication, Computer, Power, Oil and Petrochemical and consulting

industries in the Govt. and Private sectors. To improve the employability of the graduates the department offers various add-on programmes in different demanding areas and according to the employer requirements. The trade mark of the department is the resourceful faculties having industrial experience and graduated from reputed institutions. Excellence in teaching learning process is the motto of the Department. The Department is consistently top ranked in the university results.

## GRADUATION DAY 2018

The graduation ceremony of the 12th outgoing batch of B.Tech Electrical and Electronics Engineering was organized in its pomp and glory on 28/07/2018. A total of 35 students graduated from the Department this academic year. Commander Vinod Shankar, The General Manager of Brahmos Aerospace, Trivandrum was the chief guest for the day. H. H. Baselios Marthoma Paulose II, Catholicos of the East and Malankara Metropolitan and the President of the college blessed the students on the occasion.



### Best Outgoing Student



Meenu P Shaji  
Batch Topper



Anoop Kumar  
B. Tech with Honours



Shahana O S

## MISSION

- Imparting strong fundamental concepts to the students and motivate them to take up engineering problems and develop innovative solutions independently.
- Ensure world class standards in Content delivery and Assessment by the faculty through continuous learning to achieve the desired outcome for all the courses offered
- Impart our students with strong interpersonal skills, managerial skills, and professional ethics to sustain any transient situation that he/she come across
- Creation of ample research and support facilities for the students and faculty to undertake quality research to achieve national and international recognition.



## FACULTY DEVELOPMENT PROGRAMME

First APJ KTU sponsored Faculty Development Programme on Electric System Design was conducted at MBCCET from July 17-21, 2018. The course targeted the faculty members from Electrical Engineering to conduct their final year course on Electrical System Design. A total of 40 faculty members from various Engineering colleges attended the 5-day program. The course was inaugurated by the Director Shri Roy Vairamon, presided by the Principal Dr. Pradeep C. Former Director Rev. Fr C John Chirathalattu (Cor-Episcopa) blessed the occasion. The chief resource person for the program was Er. K John, Former Electrical Inspector. He has about 28 years of field experience and is well equipped in training faculty and students for obtaining the license from Department of Electrical Inspectorate, Kerala. Other resource persons were Mr. V T Sebastian and Mr. Akhil V. APJKTU sanctioned Rs. 2 lakhs for the conduct of the program.



## STAFF INDUSTRIAL VISIT



As part of FDP, participants and all faculty and staff of EEE visited the POABS Tea Factory, Vandiperiyar, to study the newly installed Electrical Section on 21st July 2018. The plant is newly installed having a plant capacity of 630 kVA.

*"Look at the sky. We are not alone. The whole universe is friendly to us and conspires only to give the best to those who dream and work."*  
-APJ Abdul Kalam

## ASSOCIATION PROGRAMME



The Association of Electrical and Electronics Engineering in collaboration with MBC Institution of Engineers India (IEI), Students Chapter (EEE Branch), conducted a workshop on "Power System Management - Challenges and Solutions" led by Er. Shaji N. N. (Retd. Chief Engineer, KSEB Ltd.) His session gave an in depth insight in to the practical issues and challenges faced by the Indian Power sector. In the function associated with the same witnessed the inauguration of association activities 2018-19. Prof. Anoop Joy (FIC EEE Association), Prof. Deepa K Suresh (Deputy in Charge) and Mr. Prince Abraham of S7 EEE (President of EEE Association) were the coordinators of the program. Another program on "Energy Saving and Management" led by Sri. Sasi Mattom formerly Assistant Engineer KSEB, was conducted for first year and third year students.



## STUDENT WORKSHOP

Department of EEE has organized an add on course for the seventh semester students on the topic "Mi-Power" software. The program was held from 31/07/2018 to 03/08/2018. The class was led by resource person Mr. Basil Mubarak, research Scientist from Power Research and Development Center, Bangalore. Mi-Power is a highly interactive, user friendly windows based power system analysis Software used by firms like KSEB, Power Grid etc. for load analysis and other research needs. College Purchase the same for the Department for an amount of Rs 7 lakhs.

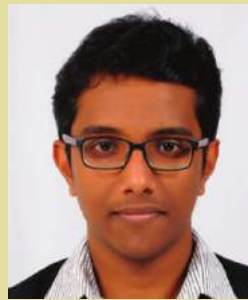
*"Vision without execution is hallucination"*

*Thomas A. Edison*

## STUDENT ACHIEVEMENTS



**Ansu Sara Mathew and Rivi Thomas** of S3 EEE has secured First position in District level online Quiz Competition conducted by KSEB ENGINEERS ASSOCIATION.



**Jacob Antony** of S5 EEE has developed project entitled smart flush sanitation system for Kuttanad area. It has been approved for a financial assistance of Rs. 10000/- under INNOVATE scheme of KSCSTE-2018.

## NOTABLE STUDENT PROJECTS

**Jacob Antony** of S5 EEE developed a *Butterfly Blade Tapping Knife* which is a landmark in the field of rubber tree tapping and an unprecedented step to solve the problem of shortage of skilled tappers in the sector. This project was one among the projects selected by the Prime Minister's office and there after directed the Rubber Board to give necessary advice for the project.

The device is the modified and combined form of Michie Goledge and Jebong tapping knife that can easily be handled by even the unskilled labours. This device frees the tree from tapping 'scars' and uniform tapping cut is possible. It is simple and handy even for unskilled labours and is convenient, cost effective and worthy. Butterfly Blade can be replaced easily, which is to be made on hard metal. Tapping span of a tree can be prolonged. Scar-less trunk surface increases speed of the tapping and thereby the tapper's income.



## SEMESTER TOPPERS



**Ansu Sara Mathew**  
S1 & S2 Topper



**Anu Rani Thomas**  
S3 Topper



**Swetha Ann Mathew**  
S4 Topper



**Beena Thomas**  
S5 Topper



**Emy Ann Jacob**  
S6 Topper



## PLACEMENTS



Sunish Suresh, Rwithu Kovakallil, Meenu P Shaji, Reeba Mathews, Sunu Alex, Vivin Varghese got placed at Sutherland

Rwithu Kovakallil got placed at UST global



Meenu P Shaji, Basil P Joy, Nijin Varghese got placed at Aabasoft Technologies

Meenu P Shaji got placed at Petrolink



## Ph.D Scholars



**Fini Fathima**  
Pursuing Phd from, Vellore Institute of Technology in Power System.

**Tomina Thomas**  
Pursuing Phd from Karunya Institute of Technology and Sciences in Power System



**13<sup>th</sup> position among 124 Engineering Colleges for the Sixth Semester KTU B. Tech Examination May 2018**



## EDITORIAL BOARD

- **Chief Editor** : Mr. Robins Anto, HoD, EEE
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### PROGRAMME SPECIFIC OUTCOMES (PSO'S)

After the completion of the course electrical and Electronics Engineering the graduates will be able to

⇒ Design and analyze components and systems associated with electrical power generation, transmission and distribution integrating the modern tools and equipment's for design and analysis.

⇒ Design and analyze analog electronic, digital processing and control systems suitable for modern industry and research.

⇒ Apply managerial skills to work as a team and in being a leader, with adherence to sustainability in solving problems and allegiance to engineering and social ethics.

### PROGRAMME EDUCATIONAL OBJECTIVES (PEO'S)

⇒ To mould globally competent value added electrical engineers with a solid foundation in engineering, design analytics and problem solving skills to tackle the challenges.

⇒ To appreciate and engage in research process for meeting the growing demands in industry.

⇒ To imbibe an ability to work independently as well as collaboratively with others, and to have demonstrated leadership, accountability and initiative to develop innovative solutions for technological challenges faced by the society and industry



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