MBC

LANTERN

Department of Electrical and Electronics Engineering

VOLUME 1 ISSUE 1

HOD's Desk

Robins Anto
HOD of EEE

"The heights that great men reached and kept,
Were not attained by sudden flight;
They, while their companions slept,
Were toiling upwards
in the night."

-HW Longfellow

ABOUT THE DEPARTMENT

The Department of Electrical Engineering aims to produce skilled and competent engineers that aims for great heights. The curriculam is designed to cover all major aspects of electrical engineer while allowing considerable indepth studying in specific areas chosen by each students. We are proud that the majority of our department graduates are employed in leading Electronic, Communitation, Computer, Power, Oil and Petrochemical and consulting industries. There are circular add-ons in the programme to support employment opportunities in any of the above areas. The department has blend of eminent teaching faculty with post graduated qualifications from reputed institutions and good industrial exposure. Individual care and attention is imparted to students from their first year onwards so as to ensure individual involvement.

GRADUATION DAY - 2018

The graduation ceremony of the 12th outgoing bach of B.Tech Electrical and Electronics Engineering was organized in its top pomp and glory on 28/07/2018. A total of 35 students graduated from the department. 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 presided the function.

Best Outgoing student

Meenu P. Shaji

Topper of the batch

Anoop Kumar R.

B.Tech with honours

Shahana Bheegam O. S.

VISION

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

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

Faculty Development Programme on Electric System design was held at MBCCET from July 17-21, 2018. This course is based on revised APJ Abdul Kalam Technological University (KTU) syllabus of the subject ELECTRICAL SYSTEM DESIGN in seventh semester of Electrical and Electronics Engineering. The resource person for the programm Er. K John, Former Electrical Inspector with 28 years of experience, Department of Electrical Inspectorate, Kerala.

"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

Staff Industrial Visit

As part of FDP, participants visited the POABS Tea Factory, Vandiperiyar on 21st July 2018

Association Programme

The Association of Electrical and Electronic Engineering Department in collaboration with MBC IE (I) Students Chapter (EEE Branch) has arranged a seminar on "Power System Management - Challenges and Solutions" leaded by Er. Shaji N. N. (Retd. Chief Engineer, KSEB) along with a awareness programme on "Energy Saving and Management" leaded by Sri. Sasi Mattom.

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

Student Workshops

Department of EEE has organized an add on course for the seventh semester students on the topic Mipower software. The program was held from 31/8/2018 to 3/8/2018. The class was led by resource person Mr Basil Mubarak. Mipower is a hightly intractive, user friendly windows based power system analysis package. It includes a set of modules for performing a wide range of power system design and analysis study.

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. The device is the modified and combined form of Michie Goledge and Jebong tapping knife that can easily be handled by even the unskilled labourers. This device frees the tree from tapping 'scars' and uniform tapping cut is possible. It is simple and handy even for unskilled labourers 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. Smooth tapping panel helps in collecting the total latex in the cup without any waste.

SEMESTER TOPPERS

Ansu Sara Mathew
S1 & S2 Topper

Anu Rani Thomas
S3 Topper

Swetha Ann
S4 Topper

Beena P. Thomas
S5 Topper

Emy Ann Jacob
S6 Topper

PLACEMENTS

Rwi UST Global® Innovation • Information • Technology laced at UST global

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

Aabasoft®

SUTHERLAND

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

Meenu P Shaji got placed at Petrolink

petrolink

PHD SCHOLARS

Fini Fathima
Pursuing Phd from VIT, Vellore in Power System

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

"Vision without execution is hallucination"

Thomas A. Edison

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 analyzeanalog 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