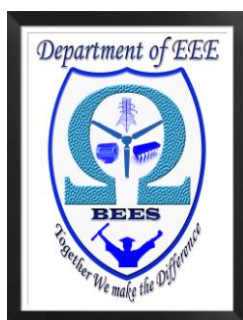


# K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY



DEPARTMENT OF  
ELECTRICAL AND  
ELECTRONICS ENGINEERING

## BEEES NEWS LETTER

November 2019

## NBA Accreditation

In EEE Department, UG Course B.E. Electrical and Electronics Engineering has been accredited for three years by NBA, New Delhi



## INDUSTRY 4.0

Seminar in the topic of Industry 4.0 was organised by EEE department association (BEES) on 22.07.2019. Industry 4.0 is the digital transformation of manufacturing/production and related industries and value creation processes. Cyber-physical systems form the basis of Industry 4.0 (e.g., 'smart machines'). They use modern control systems, have embedded software systems and dispose of an Internet address to connect and be addressed via the Internet of Things (IoT). This way, products and means of production get networked and can 'communicate', enabling new ways of production, value creation, and real-time optimization. Cyber-physical systems create the capabilities needed for smart factories.



**Mr. Gobi, Shivam Pvc Pipe, Tiruchengode** handled interesting sessions in this seminar. He covered various topics industrial revolutions 4.0 challenges and opportunities. This seminar helped the students to understand the entire process of Industry 4.0, dealing with people at work, the problems linked with industry and personnel management. Participants were attentive and interactive during guest presentations.

## YOUTH ENGINEERS TALK

EEE department organised a Youth Engineers Talk on 09.08.2019 in association with IEI student's chapter (EEE) for the benefits of the students to improve their communication. Effective communication is a process of exchanging ideas, thoughts, knowledge and information such that the purpose or intention is fulfilled in the best possible manner. In simple words, it is nothing but the presentation of views by the sender in a way best understood by the receiver.



**Mr. S. Madan, Assistant professor of English** evaluate the talk given by the students. He also give suggestions which helps the students to improve their communication. Students were discussing various topics in different domains. Students were really benefited by this contest which helped them to talk effectively.

## E-WASTE MANAGEMENT

On Behalf EEE Department, BEES association organised a guest lecture in the topic of Biogas Management on 20.08.2019. Electronic waste or e-waste describes discarded electrical or electronic devices. Used electronics which are destined for refurbishment, reuse, resale, salvage recycling through material recovery, or disposal are also considered e-waste. Informal processing of e-waste in developing countries can lead to adverse human health effects and environmental pollution. Electronic scrap components, such as CPUs, contain potentially harmful materials such as lead, cadmium, beryllium, or brominated flame retardants. Recycling and disposal of e-waste may involve significant risk to health of workers and their communities.

**Mr. Kumaresan Arumugam, Trainer & Coach at Certified Neuro Linguistic Program Practitioner** delivered the lecture and his lecture focused on effective management of E-waste. He also explored the challenges in the collection of e-wastes. He also mentioned of lack of awareness in e-waste which hardly affects the environments in present scenario. The students gained clear knowledge on technologies used in e-waste management and associated problems. His presentation impressed the students and they also had good interaction with him.

## IDEA PRESENTATION

BEES Association organised a Idea Presentation on 04.09.2019 to motivate students for developing the new project ideas. Second, third and final year students displayed and presented their project ideas in various fields of electrical engineering. The theme for their ideas covered various areas such as advancement in farming, servicing the societal needs etc.,



**Dr. R. Mani, Prof/Mechanical and Dr. W. Deva Priya, ASP/ECE** and got impressed with the idea presentations made by the students. They have gone through the various ideas exhibited by the students and encouraged the students through his valuable suggestions and motivation towards the development of their project ideas in future.

## ENTREPRENEUR'S TALK – MY LIFE & CROSSROAD

On behalf Institution's Innovation cell (IIC) a guest lecture in the topic of "Entrepreneur's Talk – My Life & Crossroad" was organised on 05.10.2019 for our department students. The main objective of this program was exploring the opportunities as Entrepreneur. Entrepreneurship does not only imply being able to start and manage your own business but it also helps the economy in a lot of ways. For starters, it contributes greatly to the GDP of the country as entrepreneurship primarily involves production and supply of goods and services with a profit motive in mind. This is one of the most important need for entrepreneurship. An entrepreneur also generates employment in the economy and helps in reducing unemployment as well as in improving the standard of living of the people. This is because more jobs mean more income from

the people and more revenue in the economy. Moreover, it is because of the entrepreneurs in the economy that realize the need of goods and services of the people that we do not have to depend on western produced goods.



**Dr. Moorthy Selvakumaran, Founder, Sri Selvakumaran Industries, Erode** shared his life experience as entrepreneur. He made an eye opening session for students regarding their own startup, The students were interactive with guest and he also patiently clarified the doubts of them. By this lecture, students got confidence about their career opportunities.

## WORKSHOP ON PROBLEM SOLVING - DESIGN THINKING

Design Thinking is a problem solving framework. The concept has been around for decades, but in the past five to ten years, IDEO, a design consultancy, has championed the process as an alternative to a purely analytical approach to problem-solving. The goal of improving lives is an important endpoint to the process of design thinking. In fact, it's what design thinking is all about: finding fresh, creative solutions to problems, but in a way that puts people and their needs first. In this regard, one day workshop on Problem Solving - Design Thinking was organised on 19.10.2019 by BEES – Association of EEE department in association with Institution's Innovation cell (IIC)



**Mr.JCI Sen Dheva Sengottuvelu - District Coordinator - 2019 Zone XVII - JCI India , Mr.A.Adarsh Mittal - Entrepreneurship Trainer and Mr.A.K.T.Shubhash - MD Carnetts Cars** were the speakers for this workshop. They elaborated the terminologies in design thinking. They also share their view in problem solving with real time examples. Discussion of speakers with students helped to get clarity in design thinking.

## **INSTRUCTIONAL SYSTEM DESIGN FOR OBE THROUGH CDIO FRAMEWORK**

Faculty Development Program on Instructional System Design for OBE through CDIO Framework for faculty members was organised from 19-11-2019 to 21-11-2019.. Traditional education systems are losing their significance in the age of globalization. All things change very quickly and continually in today's globe. More skills are needed to develop technology very rapidly. In order to deal with technological developments, academic organizations should generate graduates. Therefore, it is compulsory to move from traditional education to results-based education to overcome the necessity. But a huge question? arise how this learner-centric approach (OBE) will be beneficial and here is how this system will be beneficial.

**Dr. T. Gnana Sambanthan, NITTTR, Chennai** gave interesting sessions on OBE through CDIO framework. He explained various methodologies and also shared his rich experience with our faculty members. This seminar provided a clear view of preparation in a well-worked out course/lesson plan for outcome

## **KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY**

### **VISION**

To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship.

### **MISSION**

- ❖ Accomplish quality education through improved teaching learning process.
- ❖ Enrich technical skills with state of the art laboratories and facilities.
- ❖ Enhance research and entrepreneurship activities to meet the industrial and societal needs.

## **Department of EEE**

### **VISION**

To produce world class Electrical and Electronics Technocrats and Entrepreneurs with social responsibilities.

### **MISSION**

- ❖ Impart quality education in the field of Electrical and Electronics Engineering through state of the art learning ambience.
- ❖ Enrich interdisciplinary skills and promote research through continuous learning.
- ❖ Enhance professional ethics, entrepreneurship skills and social responsibilities to serve the nation.

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Mr. P. Shanmuga Aravind

Assistant Professor / EEE

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