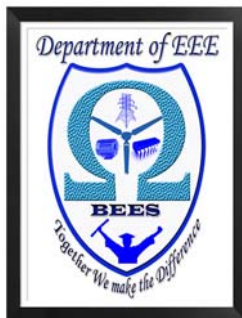


# K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY



DEPARTMENT OF  
ELECTRICAL AND  
ELECTRONICS ENGINEERING

## BEES NEWS LETTER

November 2016



## INDUSTRIAL PSYCHOLOGY

Seminar on the topic of Industrial Psychology was organised by EEE department association (BEES) from 20.07.2016 to 22.07.2016. Industrial psychology is also known as work psychology, organizational psychology or I-O psychology. An Industrial psychologist contributes by improving the workplaces, satisfaction and motivation levels of the employees, and helping the overall productivity of the organization. This helps when the organization is going through a transition phase, or during some new developments. Industrial psychology facilitates the appropriate matching of the requirements of a job, with the abilities of a prospective employee.

**Mr. M. Jeyhind, Consultant, Infosys, Chennai** handled interesting sessions in this seminar. He covered various topics like importance of industrial psychology, workplace cooperation, job satisfaction, career challenges, etc. This seminar helped the students to understand the entire process of industrial management, dealing with people at work, the problems linked with industry and personnel management. Participants were attentive and interactive during guest presentations.

## CASE STUDY ON DECISION MAKING

BEES Association organised a one day seminar on “Case Study on Decision making” on 09.08.2016 for the benefits of EEE students. Decision-making is the process of identifying and choosing alternatives based on the values, preferences and beliefs of the decision-maker. A major part of decision-making involves the analysis of a finite set of alternatives described in terms of evaluative criteria. Then the task might be to rank these alternatives in terms of how attractive they are to the decision-maker(s) when all the criteria are considered simultaneously. Decisions that seem to be the most difficult are those that require a deeper level of thought.



**Mr. B Abraham Anand, CEO –Brainy Pearl Technology Pvt. Ltd. Erode** elaborated about decision making. He also discussed goal setting and how decision making helps to reach the goal. He also explained various methodologies involved in decision making. Students were known the importance of decision making by discussing various case studies. Students were really benefited by this seminar which helped them to take decision in their life too.

### **INTERNET OF THINGS**

Several recent digital and smart manufacturing technologies, and design innovations besides the internet connectivity origins Internet of Things (IOT) to become a revolutionary technology in transforming many areas of modern day living. Though the inception of IOT was started in the context of supply chain management, it has been evolved into a wide range of applications such as transport, utilities, industrial automation, healthcare, building and home automation, etc. The smart connectivity with existing networks through IOT results in ubiquitous, computer sense information without the aid of human intervention. In this regard, guest lecture was organised for our department students on 13.08.16.



**Mr.A.Athif Shah CEO, ABE Semiconductors, Chennai** delivered the interesting lecture about Internet of Things. He made clear explanation about basics of IoT. He also explored the roles of IoT in electrical engineering. Students were interested during his explanation of IoT through simple demo in Lab.

### **BIOGAS MANAGEMENT**

On Behalf EEE Department, BEES association organised a guest lecture in the topic of Biogas Management on 20.08.2016. Biogas and other such biofuels are today starting to become used more and more around the world in just about every conceivable area both domestically and industrially, and as such could be one of the answers to the world's energy problem as well as reducing global warming. Biogas, which consists mainly of methane, giving rise to the term "Biomethane", is produced when household organic waste and agricultural slurries and manures are broken down due to their decomposition by micro-organisms in an enclosed biogas digester.

**Mr. Vijaya Kumar, Proprietor, Green Resource Enterprise** delivered the lecture and his lecture focused on biomass production and utilisation. He also explored the challenges in the

field of renewable energy sources. He also provided awareness of lack of conventional energies available in present scenario. The students gained clear knowledge on terminologies in production of Biogas and problems associated with various renewable energy sources. His presentation impressed the students and they also had good interaction with him.

### IDEA CONTEST



BEES Association organised a project show on 20.08.2016 to motivate students for developing the new project ideas. Second, third and final year students displayed and demonstrated their project in various fields of electrical engineering. The theme for their ideas covered various areas such as advancement in farming, servicing the societal needs etc.,

Chief guest **Mr. Vijaya Kumar, Proprietor, Green Resource Enterprise** got impressed with the project presentations made by the students. He 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 projects in future. The best project teams were selected and awarded by the jury



## OPPORTUNITIES IN CORPORATE SECTOR

On behalf BEES association a guest lecture in the topic of “Opportunities in Corporate Sector” was organised on 27.08.2016 for our department students. The main objective of this program was exploring the opportunities in corporate companies. In today's time Private Sector play an important role in generating employment as every year lakh of vacancies for the various positions has been released by private organizations. In the early 90s our planners decided to open up the economy. With Liberalization and Globalization, many MNCs entered the Indian market, which brought a huge change in the economic front. Today there are large numbers of MNCs that are operating in Indian markets. They are present in almost every sector of our economy.



**Mr. M. Ilamparithi, Data Engineer, Yume Inc, Chennai** delivered lectures on Opportunities in Corporate Sector. He made an eye opening session for students regarding their placement opportunities in MNCs, He also explained working culture in corporate companies. 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.

## AUTOMATION OF POWER PLANTS

Power plant automation is a growing trend in the energy industry, especially as it relates to interconnectivity. Power plants control and automation is always a challenge for industry because electric power has such an important role in the development of civilization. Upgrading from first automation systems (electromagnetic relays - cable logic) to modern systems. In this regard, Guest lecture on Automation of Power Plants was organised on 20.09.2016 by BEES – Association of EEE department

**Mr. Senthilkumar, AE/MTPS. Mettur** elaborated the operation of thermal power plant. He extended the lecture in the various technologies available for automation. He explained operation and automation process of various sections in thermal power plant. He also provided the statics data of power produced in different types of power plants across the India. The real time difficulties in power plant automation was discussed with students which helped the students to get innovative ideas for their projects.

### TEACHING LEARNING PROCESS



Seminar on Teaching Learning Process for faculty members was organised on 05.10.2016 by EEE department in association with ISTE. In education, a well-worked out course/lesson plan will act as a core of teaching-learning process. It answers all the necessary questions and provides sufficient support to the teacher so that the teaching becomes smooth and easy.

**Dr.B. Ilango, Former Vice Chancellor Bharathiar University, Coimbatore** gave interesting sessions on Teaching Learning Process. He explained various methodologies and also shared his rich experience with our faculty members. This seminar provided a new dimension in teaching learning process

### ACADEMIC TOPPERS

S.NO	YEAR / SEM / SEC	NAME OF THE STUDENT	GPA	POSITION
1	I / II / A	ARUNKUMAR C	8.41	1
2	I / II / A	KOWSALYA K	8.26	2
3	I / II / A	JASMINE B	8.22	3
4	I / II / B	SRINIVASAN R	8.56	1
5	I / II / B	VISHNU R	8.52	2
6	I / II / B	MURUGANANTH M	8.04	3
7	II / IV / A	ANITHA M	9.04	1
8	II / IV / A	DIVYABHARATHI S	9.04	1
9	II / IV / A	DIYANA S	8.46	2
10	II / IV / A	KANAGA PRIYA R	8.42	3
11	II / IV / A	KARTHICK B	8.42	3

**ACADEMIC TOPPERS**

S.NO	YEAR / SEM / SEC	NAME OF THE STUDENT	GPA	POSITION
12	II / IV / B	ROKESH KUMAR R	8.79	1
13	II / IV / B	NAGAMANI E	8.54	2
14	II / IV / B	PRIYANKA M	8.37	3
15	III / VI / A	NAVEEN KUMAR R	9.13	1
16	III / VI / A	GAYATHRI A M	8.88	2
17	III / VI / A	GAYATHRI T	8.83	3
18	III / VI / B	VENSIKA A	8.83	1
19	III / VI / B	SHEEBHA E	8.71	2
20	III / VI / B	YUVARAJ S S	8.58	3
21	III / VI / B	PAVEEN KUMAR M	8.58	3
22	IV / VIII	ASHOK KUMAR M	9.40	1
23	IV / VIII	SUJI R	9.40	1
24	IV / VIII	BANUPRIYA C	9.20	2
25	IV / VIII	DEEPIKAASRI M	9.20	2
26	IV / VIII	FAZIL AHAMED SS	9.20	2
27	IV / VIII	GOKULRAJ M	9.20	2
28	IV / VIII	HEMA PRIYA C	9.20	2
29	IV / VIII	ELAKKIYA S	9.00	3
30	IV / VIII	KEERTHANA K	9.00	3

**STUDENT'S PARTICIPATION**

S. No	Name of the Student	Year / Sem	Name of the Event	Date	Organised by
1	Vinoth Kumar R	III/V	Paper Presentation	24.08.16	Gnanamani College of Technology- EEE
2	Vijay R	III/V			
3	Kavin Kumar M	III/V			
4	Karthik T M	III/V			
5	Prathap S	III/V			
6	SurendharBabu A	III/V			
7	Jayaram N	III/V			
8	Saravanan V	III/V			



**STUDENT'S PARTICIPATION**

S. No	Name of the Student	Year / Sem	Name of the Event	Date	Organised by
9	Thiyagarajan S	III/V	Paper Presentation	31.08.16	Perk College of Technology -MECH
10	Praveen Kumar	III/V			
11	Sheikaslem M	IV/VII			
12	Sridhar S	IV/VII			
13	Vaisnavi I	IV/VII			
14	Thulasi T	IV/VII			
15	Vinoth Kumar R	III/V	Paper Presentation	02.09.16	The Kavery Engineering College - EEE
16	Vijayan N	III/V			
17	Sivaguru U	III/V			
18	Ranjith Kumar S	III/V			
19	Venkateshwaran M	III/V			
20	Vijay R	III/V			
21	Karthick A	III/V			
22	Balachandar K R	III/V			
23	Kavin Kumar M	III/V			
24	Madhan D	III/V			
25	Dhivagar A	III/V			
26	Karthick C	II/III			
27	Kannan S	II/III	Paper Presentation	02.09.16	Salem College of Engineering and Tech.
28	Gokul V	II/III			
29	Chidambaram V	II/III			
30	Dhivagar N	II/III			
31	Dhivagar S	II/III			
32	Mohammed Ansari A	IV/VII			
33	Krishna Moorthy B	IV/VII			
34	Mohan Raj A	IV/VII			
35	Pavithiran L	IV/VII	Short Film Making	16.07.16	KSR College of Arts and Science-CSE
36	Aravinth.S	IV/VII			
37	Pavithran.L	IV/VII			

**STUDENT'S PARTICIPATION**

S. No	Name of the Student	Year / Sem	Name of the Event	Date	Organised by
38	Raj Kumar G K	III/V			
39	Praveenkumar M	III/V			
40	Jothibasud K	III/V			
41	Dhivagar A	III/V			
42	Aravind S	IV/VII	Software Tool for Design and Controlling of Special Electrical Machines	16.08.16 to 19.08.16	SRM University - EEE
43	Gokul S	IV/VII			
44	Bala Krishnan	IV/VII			
45	Kuppusamy A	IV/VII			
46	Muthumanikam R	IV/VII			
47	Savin Kumar M	IV/VII			
48	Rajkumar N	IV/VII			
49	Sathish Kumar M	IV/VII			
50	Vivekanandhan M	IV/VII			
51	SathikNivas J	IV/VII			
52	Ragupathi R	IV/VII			
53	Asha K	IV/VII			
54	Vasumitha.D	IV/VII			
55	Hariramu R	III/V	Workshop Recent Trends in Electrical Power Engineering	29.08.16 to 03.09.16	National Institute of Technology, Trichy
56	Mathanagopal G	III/V			
57	Mayilsamy A	III/V			
58	Madhan D	III/V			
59	Jayaram N	III/V			
60	Karthik T M	III/V			
61	Rokesh Kumar R	III/V			
62	Surya S	III/V			
63	Sivaguru U	III/V			
64	Mothinath S	III/V			

### Program Outcomes (POs)

<b>PO1</b>	<b>Engineering Knowledge:</b> Apply the knowledge of mathematics, science, and engineering fundamentals to solve the complex electrical engineering problems.
<b>PO2</b>	<b>Problem Analysis:</b> Identify, formulate, review research literature, and analyze complex Electrical and Electronics Engineering problems enabling attainment of conclusions using first principles of mathematics, natural sciences, and engineering sciences.
<b>PO3</b>	<b>Design/Development of Solutions:</b> Design solutions, components or process for complex Electrical Engineering problems to meet the specified needs considering public health, safety and environmental considerations.
<b>PO4</b>	<b>Conduct Investigations of complex problems:</b> Exercise research knowledge and technical methodology for design, analysis and interpretation of data to converge to a suitable solution.
<b>PO5</b>	<b>Modern Tool Usage:</b> Use modern engineering tools, softwares and equipments to predict, analyze and model engineering problems.
<b>PO6</b>	<b>The Engineer &amp; Society:</b> Apply reasoning skills to assess societal, health, safety, legal and cultural issues relevant to the professional engineering practice and take consequent responsibilities in the society
<b>PO7</b>	<b>Environment and Sustainability:</b> Realize the impact of the professional engineering solutions and demonstrate the knowledge for sustainable development in environmental context
<b>PO8</b>	<b>Ethics:</b> Apply and realize the professional ethics and responsibilities in Electrical engineering practice.
<b>PO9</b>	<b>Individual and Team Work:</b> Exhibit Individuality, Leadership and Team spirit in multidisciplinary settings.
<b>PO10</b>	<b>Communication:</b> Communicate, comprehend, write reports, design documentation and presentation effectively on complex engineering activities
<b>PO11</b>	<b>Project Management &amp; Finance:</b> Demonstrate the Electrical engineering and management principles adhering to financial strategies to manage projects as a member or leader in a team
<b>PO12</b>	<b>Life Long Learning:</b> Inculcate independent and life-long learning in the broadest context of technological change.

### Program Specific Outcomes (PSOs)

**PSO 1: Electrical drives and control:** Graduates will Analyze, design and provide Engineering solutions in the field of Power Electronics and Drives

**PSO 2: Embedded system:** Graduates will Simulate, experiment and solve complex problems in Embedded System.

# **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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### **Editorial Board**

#### **Student Incharges**

Bharath Kumar S IV Year

Priyanka M III Year

#### **Faculty Incharge**

Mr. C. Santhakumar

Assistant Professor / EEE

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