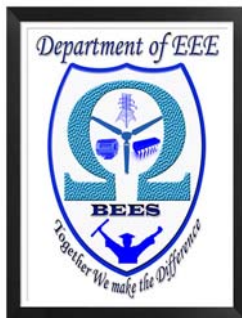# K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BEES NEWS LETTER

April 2017

RECENT TRENDS IN ELECTRICAL DRIVES AND ITS APPLICATIONS

On Behalf of EEE department, BEES association orgainsed a seminar on Recent Trends in Electrical Drives and its Applicationson 17.02.17. The industrial applications of electric Drives are numerousAn electrical drive is an industrial system which performs the conversion of electrical energy into mechanical energy or vice versa for running and controling various processes.

Mr. T Arumugam, Kone Elevator India Pvt. Ltd., Chennai delivered the lecture on electrical drives from basic level to advanced indutry level. He explained the factors for selection of electrical drives for various applications. The student's involvement was good because of the industry approach in the guest's presentation. This seminar helped the students to get awareness of advancements in electrical drives.

HANDS ON TRAINING FOR MULTISIM

Workshop of Hands on Training for Multisim was organised by EEE Department on 18.02.2017. National Instrument's software multisim which is widely used all over electronics industry to analyse and study the performance of circuits. Knowledge of multisim will give a knowledge over in the electronics industry.

Mr. T. Srihari & Mr. A. Murugesan ,faculty members from EEE department handle lab oriented sessions. Students from various engineering colleges were participated in this workshop. This workshop helped electronics and electrical engineering graduates in understanding electronics more closely. The participants were impressed because they were involved in hands on practices in multisim.

TECHNICAL PRESENTATION

On Behalf EEE department BEES association organised a technical presentation on 19.02.2016 for the benefits of our department student. Technical experts – scientists, engineers, and programmers were being asked more and more frequently to give presentations and not just to other technical experts. Often they were speaking to people with little or no technical expertise, to people from marketing, sales, and finance. In this regard this technical presentation programme helped our student s to prepare and present a technical reports

Dr. P. Veena, Mr. Srihari, Mr. M.A. Stephen Raj of our department faculty members acted as juries to evaluate the student's presentation. Juries were encouraged the students for best presentations and also they informed mistakes made by the students during their presentation. The students got reviews for their body language and communications.

SELF ENHANCEMENT

ISTE organised a special lecture on "self enhancement" in association with Department of Electrical and Electronics Engineering on 07.03.2017 for the benefits of both students and faculty members of EEE department. Self-enhancement is the desire to maintain and cultivate positive feelings of the self. It is the driving force behind the search for self-knowledge, and is thus the focal point of much clinical research. While several researchers suggest that self-enhancement is integral to an individual's well-being, emerging research has shown convincing evidence that self-enhancement can be detrimental to one's mental health, social standing, and physical well-being.

Mr, Jayaram Umashankar, Corporate Trainer & Consultant from Chennai gave a motivational talk on Self Enhancement. This lecture helped the participants to gain emotional and physiological benefits from self-reflection depended on whether the self-reflection processes were congruent with individuals' heritage cultural backgrounds. Participant got involvement in guest's thought broking speech.

ACADEMIC TOPPERS

S.NO	YEAR / SEM / SEC	NAME OF THE STUDENT	GPA	POSITION
1	I / I	PREETHA.E	8.61	1
2	I / I	SUVETHA.T	8.58	2
3	I / I	SARANYA.P	8.30	3
4	II / III / A	JASMINE B	8.19	1
5	II / III / A	JANANI R	7.85	2
6	II / III / A	ARUNKUMAR C	7.77	3
7	II / III / A	KOWSALYA K	7.77	3
8	II / III / B	SRINIVASAN R	8.38	1
9	II / III / B	YOGAPRIYA S	8.19	2
10	II / III / B	SWATHI R	7.92	3
11	III / V / A	ANITHA M	8.73	1
12	III / V / A	HARINI .K	8.73	1
13	III / V / A	KANAGA PRIYA R	8.58	2
14	III / V / A	DIVYABHARATHI S	8.23	3
15	III / V / A	KARTHIK T.M	8.23	3
16	III / V/ B	NAGAMANI E	7.88	1
17	III / V/ B	VENKATESHWARAN M	7.77	2
18	III / V/ B	PRIYANKA M	7.69	3
19	IV / VII / A	AHAMED HUSSAINY.	8.57	1
20	IV / VII / A	BAVITHRADEVI S	8.57	1
21	IV / VII / A	GAYATHRI T S	8.40	2
22	IV / VII / B	SHALINI.P	8.57	1
23	IV / VII / B	SHEEBHA.E	8.43	2
24	IV / VII / B	SHOBANA.K	8.29	3

STUDENTS PARTICIPATION

S. No	Name of the Student	Year / Sem	Name of the Event	Date	Organised By
1.	Jeeva V	III/VI	Paper Presentation	10 & 11.03.17	Vivekanandha Institute of Engg.&Tech/EEE
2.	Keerthana S	III/VI			
3.	Hariramu R	III/VI			
4.	Boopathi Rajan S	III/VI			
5.	Raj Kumar G K	III/VI			
6.	Uthira Kumar E	III/VI			
7.	Yuvaraj V	III/VI			
8.	Surya S	III/VI			
9.	Tamil Selvan R	III/VI	Paper Presentation	17.02.17	Nandha College of Technology
10.	Suresh P	III/VI			
11.	Vinothkumar M	III/VI			
12.	Keerthana S	III/VI			
13.	Lavanya G	III/VI			
14.	Sangavi K	III/VI	Paper Presentation	03 & 04.02.17	Sengunthar Engineering
15.	Priyanka M	III/VI			

S. No	Name of the Student	Year / Sem	Name of the Event	Date	Organised By
16.	Mythily B	III/VI			College
17.	Gowthaman P K	IV/VIII			
18.	Balamanikandan G	IV/VIII			
19.	Dickman Pious P	II/IV	Workshop on Android Development	24.01.17	UNIQ Technologies
20.	Gokula Krishnan S	II/IV			
21.	Elanchezhiyan P	II/IV			
22.	Hariharan G	II/IV			
23.	Arun Kumar C	II/IV			
24.	Manoj Kumar R	II/IV			
25.	Murugananth M	II/IV			
26.	Swathi R	II/IV			
27.	Soundharya S	II/IV			
28.	Mounisha S	II/IV			
29.	Charan Kumar M	III/VI	Workshop on Mobile Hacking	24.01.17 25.01.17	Adhiyamaan College of Engineering Technology
30.	Jothi Basu K	III/VI			
31.	Balachandar K R	III/VI			
32.	Dhivagar A	III/VI			
33.	Anbarasan G	III/VI			
34.	Raj Kumar G K	III/VI			
35.	Muhammed Fazil Rahuman H	III/VI			
36.	Prakash C	III/VI			
37.	Ranjithkumar S	III/VI			
38.	Somasundaram R	III/VI			
39.	Steephansibu S	III/VI			
40.	Rahul M.S	III/VI			
41.	Saravanaraj M	IV/VIII	Workshop on Smart Grid/Smart City an Indian Perspective	04.02.17	Kongu Engineering College
42.	Ramya M	IV/VIII			
43.	Riyasudeen M	IV/VIII			
44.	Sadhan Kumar S	IV/VIII			
45.	Prabhu M	IV/VIII			
46.	Gokulakannan S	IV/VIII			
47.	Hariharan P	IV/VIII			
48.	Abirami K B	IV/VIII			
49.	Praveenkumar B	III/VI	Workshop on IOT Using Raspberry PI	22.02.17 23.02.17	Sona College of Technology
50.	Thiyagarajan S	III/VI			
51.	Ranjith T	III/VI			
52.	Noornihar A	III/VI			
53.	Mythily B	III/VI			
54.	Gowtham M	III/VI			
55.	Gowtham P	III/VI			
56.	Kesavan R	III/VI			
57.	Abuthahir T	IV/VIII	Project Presentation Track Detector for Visually Impaired IoT	28.01.17 29.01.17	International Society for Scientific Research and Development
58.	Ahamed Hussainy S	IV/VIII			
59.	Anantha Krishnan B	IV/VIII			
60.	Jothibasu K	III/VI			

STUDENTS PARTICIPATION

Program Outcomes (POs)

PO1	**Engineering Knowledge:** Apply the knowledge of mathematics, science, and engineering fundamentals to solve the complex electrical engineering problems.
PO2	**Problem Analysis:** 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.
PO3	**Design/Development of Solutions:** Design solutions, components or process for complex Electrical Engineering problems to meet the specified needs considering public health, safety and environmental considerations.
PO4	**Conduct Investigations of complex problems:** Exercise research knowledge and technical methodology for design, analysis and interpretation of data to converge to a suitable solution.
PO5	**Modern Tool Usage**: Use modern engineering tools, softwares and equipments to predict, analyze and model engineering problems.
PO6	**The Engineer & Society:** 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
PO7	**Environment and Sustainability:** Realize the impact of the professional engineering solutions and demonstrate the knowledge for sustainable development in environmental context
PO8	**Ethics:** Apply and realize the professional ethics and responsibilities in Electrical engineering practice.
PO9	**Individual and Team Work:** Exhibit Individuality, Leadership and Team spirit in multidisciplinary settings.
PO10	**Communication:** Communicate, comprehend, write reports, design documentation and presentation effectively on complex engineering activities
PO11	**Project Management & Finance:** Demonstrate the Electrical engineering and management principles adhering to financial strategies to manage projects as a member or leader in a team
PO12	**Life Long Learning:** 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.

Editorial Board

Student Incharges   **Faculty Incharge**

Gunasree B IV Year EEE   Dr. P. Veena,

Thiyagarajan S III Year EEE   Professor / EEE

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