K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

BEES NEWS LETTER

November 2015

WIRELESS COMMUNICATION

Guest Lecture on the topic of Wireless Communication was organised by EEE Association on 01.08.2015. Wireless communications is a type of data communication that is performed and data delivered wirelessly. There were incorporated all procedures and forms of connecting and communicating between two or more devices using a signal through wireless communication technologies.

Mr. V Anbalagan Sub Divisional Engineer,BSNL, Salem delivered a seminar on the importance of Wireless Communication. His seminar covers various classification of applications of Wireless Communication. Wireless communication used very useful for domestic purpose. Through his speech the students got the clear idea on concepts of Wireless Communication in day today activities.

IDEA 2015

Project context - IDEA was organised by EEE Association on 01.08.2015. To motivate our department students for developing the new ideas. In this intra department mini project show cum exhibition. Second, third and final year students displayed and demonstrated their 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.

Mr. V Anbalagan Sub Divisional Engineer, BSNL, Salem Chief guest made a grand opening for the project expo. He have gone through the various ideas exhibited by the students in form of prototype and encouraged the students through his valuable suggestions and motivation towards the advancements they have to include in their prototype. The best project teams were selected by the jury and they will be provided with awards and certificates.

SENSOR ARDUINO

On Behalf EEE department, BEES Association organised a workshop on sensor Arduinofrom18.09.2015 to 19.09.2015. If you an Engineering or Science student you might come across projects in which you want Physical interaction with your computer system. The Arduino development environment makes it easy to write code and upload it to the i/o board. You can use Arduino language (C\C++) to interface with Arduino hardware.

Dr.P.Veena, Mr. T Srihari, Mr. S.SuryaPrakash,faculty members from EEE department conducted two days workshop on sensors and Arduino. This Workshop consists of hands on training inArduino development board. The students of our department participated with full involvement. The outcome of workshop was at the end of the workshops students were able to design simple application using Arduino. Students showed keen interest towards the completion of works assigned to them during the workshop.

FPGA TECHNOLOGY AND INDUSTRIAL EXPERIENCE

Guest Lecture on the topic of FPGA Technology and Industrial Experience was organised by EEE Association on 11.09.15. A field-programmable gate array (FPGA) is an integrated circuit (IC) that can be programmed in the field after manufacture. FPGAs are similar in principle to, but have vastly wider potential application than, programmable read-only memory (PROM) chips. FPGAs are used by engineers in the design of specialized ICs that can later be produced hard-wired in large quantities for distribution to computer manufacturers and end users. Ultimately, FPGAs might allow computer users to tailor microprocessors to meet their own individual needs.

Mr. C Muralidharan,Senior FPGA Developer & Lead,VecimaTelicom Ltd., Mangaloredelivered a seminar on the advancement in FPGA technology.In this seminar, he coverd various applications of FPGA and also he shared his industrial experience. Through his lecture the students got the clear idea on concepts of FGPA and how it will helpful to their projects

APPLICATION OF SPECTRAL PROCESSING METHODS FOR SPEECH RECOGNITION

On behalf BEES association a one day seminar on Application of Spectral Processing Methods for Speech Recognition was organised on 25.09.2015 for our department students. Speech processing typically involves a basic representation of a speech signal in a digital domain which requires limiting the band width of the signal, sampling it at a certain corresponding rate and storing each sample with an adequate resolution. Speech processing is the one of the interesting domain in engineering filed

Mr. P Krishna Moorthy, Senior Research Scientist, Philips Research India, Philips Innovation Campus delivered lecture and he aimed at providing in-depth knowledge for the students in the areas of speechprocessing. The students from second, third and final year gained clear knowledge on real time terminologies and problems associated with various types of application of speechprocessing. His presentation attracted the students and they showed keen interest towards the topics delivered.

ACADEMIC TOPPERS

S.NO	YEAR / SEM / SEC	NAME OF THE STUDENT	GPA	POSITION
1	I / II / A	ANITHA M	8.74	1
2	I / II / A	KANAGA PRIYA R	8.11	2
3	I / II / A	BAWADHARANI S	7.70	3
4	I / II / B	SOMA SUNDARAM R	8.18	1
5	I / II / B	NAGAMANI E	7.77	2
6	I / II / B	NOORNIHAR A	7.70	3
7	II / IV / A	GAYATHRI A M	8.25	1
8	II / IV / A	NAVEEN KUMAR R	7.75	2
9	II / IV / A	BHARATH KUMAR S	7.67	3
10	II / IV / A	VENSIKA A	8.42	1
11	II / IV / B	SHEEBHA E	8.38	1
12	II / IV / B	SOUNDARYA N	8.08	2
16	III / VI	PAVITHRA V	8.50	1
17	III / VI	HEMA PRIYA C	8.50	2
18	III / VI	KALAI SELVI T	8.27	3
19	III / VI	ASHOK KUMAR M	8.23	1
22	IV / VIII	VIGNESH R	9.60	1
23	IV / VIII	SUBASH P R	9.40	2
24	IV / VIII	SATHYA A	9.20	2
25	IV / VIII	SOWNDHARYAN D	9.20	3
26	IV / VIII	VIJAYALAKSHMI T	9.20	3
27	IV / VIII	PRABHAKARAN R	9.20	3

S. No	Name of the Student	Year / Sem	Name of the Event	Date	Organised By
	STUDENTS PARTICIPATION				
1.	Gunasree B	III/V	Workshop on ANDROID App Development	03.06.15	UNIQ Technologies Services-Chennai
2.	Vasumitha D	III/V			
3.	Gayathri T	III/V			
4.	Pravieen MK	II/III	Project Presentation	02.09.15	Gnanamani College of Technology /EEE
5.	SteephanSibu S	II/III			
6.	Tamilselvan P	II/III			
7.	Tamilanban N	II/III			
8.	Yogeshwaran B	II/III			
9.	Yogeshwaran B	II/III	Project Expo	15.09.15 16.09.15	Government College of Engineering-Bargur / EEE
10.	Mohana M	III/V	Project Expo	15.09.15	Sri ManakulaVinayagar Engg College/EEE
11.	Ahamed Hussainy S	III/V			
12.	Abuthahir T	III/V			
13.	Anathakrishnan B	III/V			

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
Vetriselvan S IV Year		Mr. A. Murugesan
Soundappan V III Year	Assistant Professor / EEE	

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