

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY



DEPARTMENT OF
ELECTRICAL AND
ELECTRONICS ENGINEERING

BEES NEWS LETTER

November 2018

Best Innovation Award



KSRIET Team - **THE MOGULS** won **best innovation award and cash prize of Rs.10,000/-** and also got **4th place in National level Go-kart Racing Event** was held on August 2nd to 4th 2018 at Coimbatore organized by **BFKCT** (Bharath Formula Karting powered by CADD Technologies School of Design Pvt. Ltd.) **Special credit** was added to EEE department, **Arunkumar C** of Final Year EEE student who **designed the electrical part of Go-kart**

Seminar on Artificial Intelligence for Health care Applications



The Institution of Engineers (India) (IEI), Students Chapter in the Department of Electrical and Electronics Engineering, K S R Institute for Engineering and Technology organised a seminar of “Artificial Intelligence for Health care Applications” on 06.09.2018. The well-attended seminar was found most useful to students and faculty of Electrical and Electronics Engineering

department.

P. Krishnamurthy, Senior Scientist, Philips Research India, Bangalore, delivered his keynote address with a lot of changes in the modern health care system. He provided details about the Artificial Intelligence basics and challenges in AI. He also mentioned that human physicians will not be replaced by machines in the foreseeable future, but AI can definitely assist physicians to make better clinical decisions or even replace human judgment in certain functional areas of healthcare (e.g., Radiology, MRI, X-Ray, ECG, and EEG). The increasing availability of healthcare data and rapid development of big data analytic methods has made possible the recent successful applications of AI in healthcare. Guided by relevant clinical questions, powerful AI techniques can unlock clinically relevant information hidden in the massive amount of data, which in turn can assist clinical decision making. Finally, he urged the students to become strong in their fundamental learning in Artificial Intelligence.



Alumni Interaction

Our alumni (2012-2016 Batch) M. Gokulraj had a quite interesting interaction with our department students on 30.07.2018. Presently he is working as Team Leader in IVTL which was a leading software company in India. He shared the things that he came across in both college and corporate life. He motivated our students towards importance of training which is required in current scenario in IT. He also shares his experience of college to corporate transformation.



IDEA Contest

Idea Contest an intra department mini project show cum exhibition was organized to motivate the students in developing the new ideas on 06.09.2108. Our co-department HoD, **Dr. R. Nandha Kumar, Professor** and Head of the department, Electronics and Communication Engineering inaugurated the Idea Contest.

Second, third and final year students displayed and demonstrated their ideas in various fields of electrical engineering. Students formed batches and showed their team work and demonstrated their projects in various modes such as displaying charts and making prototypes of their innovations. Totally nineteen batches participated in the Idea Contest and exhibited their ideas.



Our department senior faculty members **Dr.P.Veena, Professor / EEE** and **Dr.A.Murugesan, Associate professor / EEE** were the juries and selected the best projects which is to be awarded.

Circuit Debugging



The BEES Association conducted a technical event for EEE and ECE students on 03/09/2018.

The students of EEE department have conducted a event on circuit debugging which contains three rounds which enhanced the brains of the students .The rounds are the following

1. Find me up
2. Treasure hunt
3. Circuit analysis

Eight teams of students were participated in this contest. This Circuit Debugging contest helped the students to relate their technical knowledge and assess their skills through this contest. On the end of the programmer the winners were announced.



Beat Others Brains

The Bees Association conducted quiz contest on the name of BEAT OTHERS BRAIN which is testing their general knowledge about the past and the current affairs of the world.

Youth Engineers Talk

The Institution of Engineers (India) (IEI), Students Chapter in the Department of Electrical and Electronics Engineering, K S R Institute for Engineering and Technology organised Youth Engineers Talk in two phases on 28 – 07 – 2018 & 07 – 09 – 2018 for our department students. This talk program was organised to develop the Student's communication skill and to update them in recent developments in engineering



The Program gave me more confidence to the students. The atmosphere made students feel comfortable to talk. The participants were encouraged with valuable commands given by juries Mr. Mathan, AP/ English, Dr. T. Srihari, Prof/EEE and Mr. T. Arvind, AP/EEE. The juries also gave lot of inputs and pointed out common mistake by students made that and appreciate the good things.

University Class Toppers

S.No	Year / Sem / Sec	Name of the Student	GPA	Position
1	I / II	Thamizhselvan R	8.32	1
2	I / II	Sharmilapriya S	8.28	2
3	I / II	Kavin Muthu Kumar S	8.20	3
4	I / II	Mohan T	8.20	3
5	II / IV	Saranya P	8.75	1
6	II / IV	Nithiyasri R	8.29	2
7	II / IV	Suvetha T	7.96	3
8	III / VI / A	Gokula Krishnan S	8.21	1
9	III / VI / A	Harini S	8.17	2
10	III / VI / A	Arunkumar C	8.13	3
11	III / VI / B	Srinivasan R	7.54	1
12	III / VI / B	Yogapriya S	7.21	2
13	III / VI / B	Priyadharshini S	7.13	3
14	IV / VIII / A	Diyana S	9.20	1
15	IV / VIII / A	Anitha M	9.00	2
16	IV / VIII / A	Kanaga Priya R	9.00	2
17	IV / VIII / A	Divyabharathi S	8.80	3
18	IV / VIII / B	Nagamani E	8.40	1
19	IV / VIII / B	Somasundaram R	8.40	1
20	IV / VIII / B	Praveenkumar B	8.20	2
21	IV / VIII / B	Sangavi K	8.20	2
22	IV / VIII / B	Surya E	8.20	2
23	IV / VIII / B	Thiyagarajan S	8.20	2
24	IV / VIII / B	Venkateshwaran M	8.20	2
25	IV / VIII / B	Vinoth Kumar R	8.20	2
26	IV / VIII / B	Nandhini T	8.00	3
27	IV / VIII / B	Rahul M S	8.00	3
28	IV / VIII / B	Ranjith T	8.00	3
29	IV / VIII / B	Rokesh Kumar R	8.00	3

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

Naveen Kumar S IV Year EEE

Bharathi Kannan K R III Year EEE

Faculty Incharge

Mr. P. Shanmuga Aravind

Assistant Professor / EEE

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