



SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

February-2019

Vol-III Issue-1

EEE MAGAZINE

Power is Knowledge...Knowledge is Power.

VISION

➤ To make electrical and electronics engineering from SCE to leave their footprints as best engineer globally and to be the leaders in their chosen field of work

MISSION

➤ To impart knowledge to the students of electrical and electronics engineering with abilities to excel in their profession and contribute to the growth of nation and service to the society

Statement Of PEO's

Graduate Engineers will be able to:

PEO 1:Apply scientific, Mathematics and Engineering fundamentals gained to comprehend,analyse,design and create products and solutions for real life problems

PEO2:Contribute to industrial services and government organisations by applying their skills gained through formal education.

PEO3:Work on emerging technologies with professional communities,higher education ever developing careers to strengthen human values and social responsibilities to contribute towards society.

PEO4:Adopt professional and ethical attitude for effectively resolving societal problems through multidisciplinary approach

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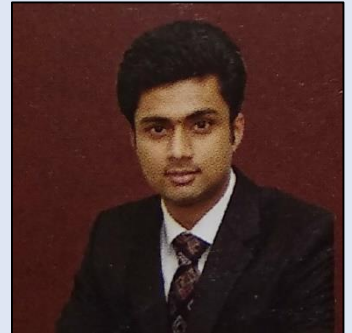
Chairman: Sri G. Dayanand

The "EEE MAGAZINE" is providing great space for the faculty and students to pen down their innovative ideas, imagination and perceptions to show case their creativity. So, I take the opportunity to congratulate the department of EEE and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.



Executive Director: Sri G. D Manoj

I am indeed happy to know that the department of EEE has taken initiative in realizing its "EEE MAGAZINE" and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of EEE



Principal's Message: Dr. Shivabasappa

It is indeed very happy to bring "EEE MAGAZINE" by the department of EEE. It is a platform provided by the department for their students and faculty members where they can share their knowledge, experience and talents in terms of written articles and I would like to compliment and congratulate the department and its editorial team for the contribution in bringing out the "EEE MAGAZINE".



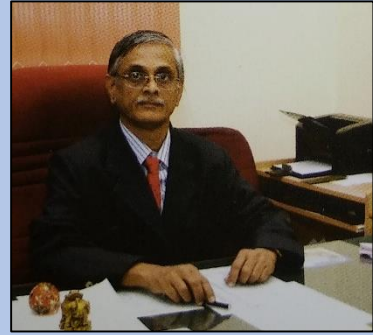
Administrative officer's Desk

It give me immense pleasure to note that EEE department bringing out "EEE MAGAZINE". I am sure this "EEE MAGAZINE" provides an opportunity to the students and faculty of the department to project their talents through articles, reports of various academic and extracurricular programmes. I congratulate the editorial committee for their effort



HOD'S MESSAGE- Dr.K.N.Ravi

SAPTHAGIRI COLLEGE OF ENGINEERING is releasing its department News Letter "EEE MAGAZINE". I would like to express my sincere appreciation to Faculty and Editor for their efforts and dedication into a modern and accessible mode of communication with the students' community. It is always a proud moment in the life of the SCE that its departments celebrate such occasions. Apart from providing the quality education, we craving to provide our students a holistic learning experience for life. Academic excellence along with Co-curricular and extra co-curricular activities complete the process of education.



It gives me great satisfaction that SCE is making progress in all its endeavors towards the overall development of the students. As I look ahead, I can visualize that the college will grow in pursuit of higher standards of teaching, research, and may lead to shape my dreams. It will continue to serve a significant role in higher education and in the service of the country. My blessings and good wishes will always be with the EEE Department. May God give strength to see this department and college flourishing!

HANDS ON TRAINING ON "EMBEDDED SYSTEM"

A hands-on training on "EMBEDDED SYSTEMS" was organized by the department of Electrical and Electronics Engineering on 07/09/2018 to 08/09/2018 for students and faculty of Department of EEE. The Resource person of the Hands on training was Mr. Rakshit , M/s Ti2 technology, Bengaluru.

The session is started with an introduction to the Embedded system. Students and faculties were enlightened about the possible requirement of the software and its tools for understanding and solving several electrical problems. This session also focused on discussion about various applications of this software. This software is very useful for the students and faculty, can be used for carrying out laboratory classes and several student projects.

The Hands on training focused on Design and Development of LED Driver using Aurdino , Design of circuit to control buzzer / relay from Aurdino , Design of circuit to interface LCD using Aurdino , Design of circuit to interface water level sensor to Aurdino ,Design of circuit to interface PIR Sensor with Aurdino , Design of circuit to interface LM35 and LCD with Aurdino.

Following are the outcomes achieved: 1. Circuit design and requirement analysis 2. Components Identification 3. Student will be able to design and build own projects.

The program was concluded with the vote of thanks by Mr.Shivaraj A , Assistant professor of EEE department .



hands on training on EMBEDDED SYSTEM.

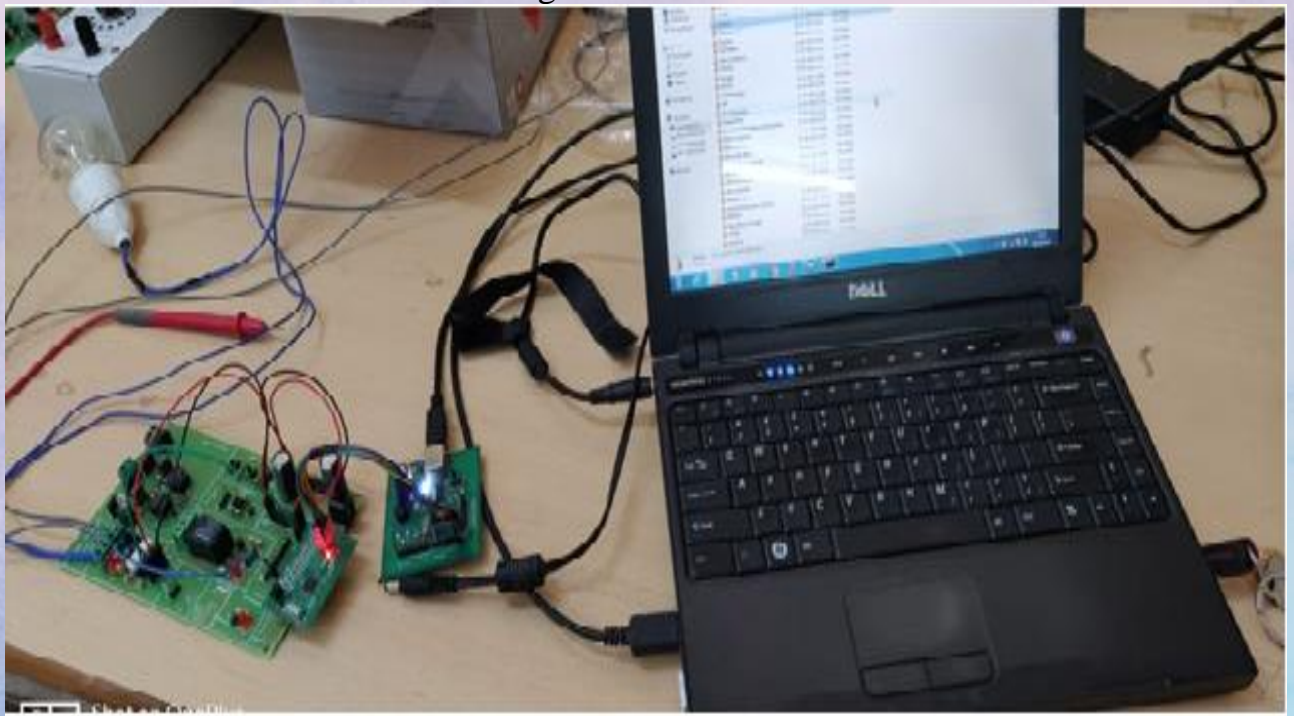
HANDS ON TRAINING ON “AURDINO”

Department EEE has been organized a Hands-on training on AURDINO on 9th September 2018 in association with IEI student chapter of EEE. The training was given by EEE Alumni Mr. Sandesh and Mr. Sonu Sagar. The training session has been inaugurated by the Principal, SCE. During the introduction of training the resource persons stressed the need for doing mini projects in lower semesters before attempting to do a major project in the final semester, so that they can gain experience.

The main objective behind the training was to enrich the students' knowledge about AURDINO so that it would be helpful for them to do the final year projects. They also gave hands on training on the usage of AURDINO by asking the students to do simple projects like speed control of dc motor, control of different drives etc. Through this training the students were learned the basics and implementation of ideas in programing with AURDINO. The training has been concluded with the student's satisfactory survey and vote of thanks by EEE HOD.



Students during hands on session



Equipment's used for training

INDUSTRIAL VISIT

The department of electrical and Electronics Engineering had organized two days industrial visit at Supa dam power house and Varahi dam power house for the final year students on 09/11/2018 and 10/11/2018 in the Academic year 2018-19. Total no students visited 75. The students gain the practical knowledge of the generation of power in reality. Generation of power plant was seen practically.



Photos of the industrial visit

TECHNICAL TALK ON “RECENT TRENDS IN POWER SYSTEM”

A technical talk has arranged by EEE department on 25/08/2018 on “State of art of lighting arresters”. The resource person was Dr. Dinesh, Associate professor, R V College of Engineering, Bangalore. The program was inaugurated by Dr. Nagabhushana, Administrative officer SCE.

While deliberating the technical talk Dr. Dinesh motivated the students by explaining his experience in the same field. During the talk he spoke about the power system fundamentals and problems in Indian power sector. He also explained the grid discipline and about the new technologies coming up in the power system. In his talk Dr. Dinesh emphasized the importance of learning the electrical subjects thoroughly. He explained the research possibilities in the area of power system. The students are really benefitted with his talk. Many students were interacted with him . The event was successful enough to motivate the students.

The program was concluded with the vote of thanks by Dr.K.N. Ravi HOD of EEE Department.

STUDENT PLACEMENT:

Name of student placed	Enrollment number	Name of the employer	Appointment letter reference No. with date.
CHANDAN KUMAR	1SG15EE022	CINIF TECHNOLOGY	09/10/2018
GANESH RAO S	1SG15EE031	MANOBHU TECHNOLOGY PVT LTD	18/08/2018
PRAJWAL S R	1SG15EE062	MANOBHU TECHNOLOGY PVT LTD	18/08/2018
VIKAS KUMAR SINGH	1SG15EE094	MANOBHU TECHNOLOGY PVT LTD	18/08/2018
PRAGATHI S	1SG14EE059	TATA ELXSI	24 / 09 /2018
SRIKANTH KADAGI	1SG15EE086	GO SPEEDY GO	04/10/2018
SRUJANA KUMAR	1SG15EE084	GO SPEEDY GO	03/10/2018
RAVEESH VENKATESH	1SG15EE075	GO SPEEDY GO	03/10/2018
ANUSHA B	1SG15EE008	GO SPEEDY GO	04/10/2018
KEERTHANA R	1SG15EE041	GO SPEEDY GO	04/10/2018

STUDENT ARTICLE:EL-DORADO THE CITY OF GOLD



The lust of gold spans all eras, races and nationalities to possess any amount of gold seems to ignite an insatiable desire to obtain more. Through centuries, this passion gave rise to the enduring tale of a “City of Gold”. The city is called “El-Dorado”.

El-Dorado is the name of a Muisca tribal chief who covered himself with gold dust during festivals, then dive from a raft into Lake Guatavita, near present day Colombia of South America. Later El-dorado became a name of a legendary “The Lost City Of Gold” that has fascinated and eluded explorers since the days of Spanish conquests. Searches for this gold treasure wasted countless lives, suicides, mental disorders. Though many have searched for years, this place of innumerable wealth has not been found.

The Spaniards taking shock of their newly won territory; realized that the native Indians had plenty of gold despite there were no golden cities.

At the same time the Spanish began to hear stories about El-Dorado from captured Indians. This made them to believe strongly the existence of City of Gold. They founded Lake Guatavita and tried to drain it in 1545, They found hundreds of pieces of gold along the lake edge. But the presumed treasure city was beyond their reach.

This legendary tale, Fascinated many poets and film makers. In Milton’s paradise lost and the “voltaire’s candied” there are clear illustrations of El-Dorado. Many poets rightly renamed it as “Hell-Dorado” as it has taken lives of thousands of expeditors. Now, Colombia has banned the search for this unknown legendary “City Of Gold”.

Name Of The Student: SRIKANTH KADAGI

USN No:1SG15EE086

VII SEM EEE Dept.