



|| Jai Sri Gurudev ||

Sri Adichunchanagiri Shikshana Trust (R)



SJB Institute of Technology

BGS Health & Education City, Uttarahalli Road, Kengeri, Bengaluru - 560 060

Department of Electrical & Electronics Engineering

SATHVA SAMPADA

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NEWS LETTER

VISION : "To impart quality education and develop the overall personality of the students to face the challenges of the real world and to lay the foundation for research and development activities"

MISSION : "To become one among the best departments in engineering and research arena through professional faculty and state of the art laboratories and to make the students successful engineers with good ethics"



Department of Electrical and Electronics Engineering was established in 2004 under the umbrella of SJBIT and is headed by Dr. Babu N.V. The department is one of the prestigious and core departments of our institution.

Teaching fraternity team of the department is dedicated scholars and is committed to foster learning and advancement of knowledge. With well-equipped state-of-art laboratory facilities and experienced personnel, the department caters the educational needs of 60 students each year. The department is committed to advancement of students' knowledge in the field of Electrical & Electronics Engineering to provide with a stimulating and rewarding learning experience.

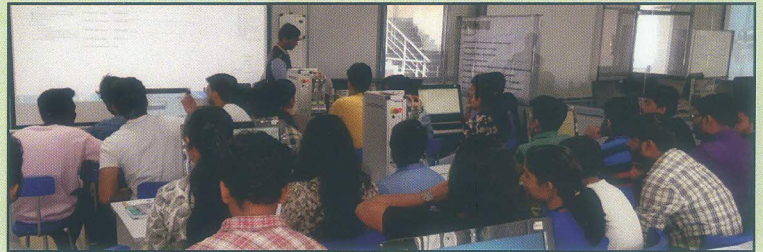
To get exposed to cutting-edge technologies and to get the awareness about the current trends, the department periodically conducts workshops and conferences. The department has successfully conducted several Corporate Training Programs. A lavalier to SJBIT milestone EEE has signed MOU with M/s. Mahatma Gandhi Institute of Rural Energy and Development, M/s.ELEKPRO Electrical Pvt. Ltd., M/s. V V Technologies, M/s. Power Research and Development Consultancy, The department is devoted in ensuring transformational impact on learning community of the EEE students and to fulfill this mission, several activities are conducted. Here is the glimpse of activities that were conducted during this semester.

Workshop Organized on:

- i) E plan & Lab View A Short-term training program was organized from 29th Jan to 3rd February, 2018 by Ethnotek Academic Solutions with the intent to upgrade the knowledge base of our students on E plan & Lab View and bridge the industry-academia gap.

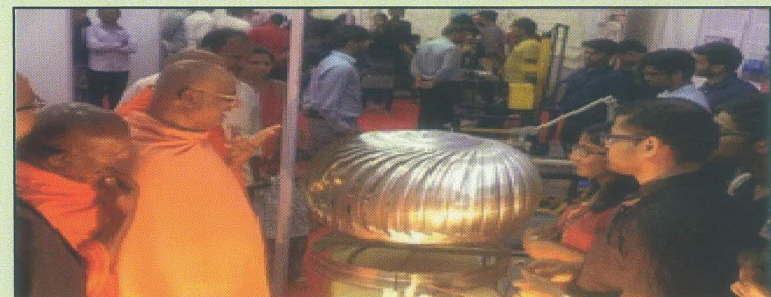


- ii) "Overview on Industrial Drives and Control; A Four day's workshop Programme was organized for the students of 8th sem from 15th to 22nd February 2018 on "Overview on Industrial Drives and Control". The various sessions on the topics Requirement of drives, Practical uses of drives and sensorics in industry, need of control and introduction to control technology, Sensorics applications in various industries, case studies and its working, were discussed and practical applications and hands on sessions were conducted. As the workshop was very useful and knowledge imparting as it was aiming to provide latest methods of Drives, sensorics and control technology, and its applications in engineering



Jnana Vignana Thantrajana Mela Project Exhibition-2018

Students of EEE department has participated in Jnana Vignana Thantrajana Mela Project Exhibition-2018 on 19th and 20th Feb 2018. Students have exhibited their projects models to various students and staffs from other schools and colleges. Participation certificate have been given to students and guides.





Guest lecture

- i) A Guest lecture was delivered on the topic "IOT Applications to Electrical Engineers" by Dr.Uma rao from R V College of Engineering.,Bengaluru, on 26th February 2018, and discussed about advances in IOT and its uses and applications for electrical engineering , Importance of internet of things . All the students of 6th sem Attended the guest lecturer and got an idea about IOT and its uses



- ii) A Guest lecturer was delivered on the topic "Academic Pathway Planning" by Mr.Veera bha-drappa EDWISE Mumbai, on 21st March 2018, and discussed about How to decide upon the career and academics, Importance of continuing the academics . All the students of 8th sem Attended the guest lecturer and that helped them to understand the various aspects of higher education.



Dept Fest - Dyuti Celebration on 28th Feb 2018

The young creative minds of the EEE carried out the technical festival- Dyuthi-17, on 28th Feb, 2018.The festival started with inauguration by our Principal Dr. Puttaraju in presence of HODs' of all the departments, faculties, students and participants. Dyuthi-17 was not just any other festival but was an event brimmed with multitude of events. It was an event to gain new insights, a platform to prove themselves and was a fiesta more enjoyable than anything else. At the end of the cultural festival, everyone looked forward to its return in 2018 with greater vigor, spirit as well as participation.



Technical Training to Non-Teaching staffs

With the intent of Skill enhancement of our technical staffs, our in-house experts trained the technical staffs on various laboratories on 12th March 2018.



Department Social Responsibility

As part of department social responsibility, staff and student club of the department has taken initiative and visited the old age home on 23-03-2018 with an objective of helping the needy peoples of the society and also to create an awareness among the students community to help the peoples in the society who needs an help and inculcate social welfare in students and to provide service to society without bias and develop themselves a sense of social and civic responsibility.

During the visit 25 Litre electric geyser is donated based on the request from the old age home to create the hot water facility. Fruits were distributed by staffs and students on this occasion to all the residents of the old age home.



Industrial visit

Industrial visit for the academic year 2017-18 was organized on 21st March 2018.Students of 4th semester students visited 400/220KV Receiving Station, Nelamangala, Bengaluru.



Our 6th semester visited KPCL-Supa Power House on 28th March 2018. It is designed having two generators of 55 MVA and has a generator voltage of 11KV. The entire generator output accounts for 100 MW of electricity with 2916 Terminal Amp/unit and a line voltage of 110 KV. They generate about 542 Million Units annually. The output four lines of the grid are distributed between the substations at Ponda and Ambewadi equally



Extended to the industrial tour, students have been given an opportunity to visit ganesh gudi, uttar kannada, Dandeli, Goa as a recreational travel.



Parents –Teachers Meeting Day:

Parent Teacher Meeting was held on 5th May 2018, at Electrical machine lab. All the parents were invited for the meeting. At the outset, HOD and all faculties welcomed the parents and introduced the respective proctors and class teachers of the students to parents. Attendance, internal assessment marks, results of previous semesters and extra-curricular activities of students were discussed with Parents. During the discussion, parents and students were suggested with FEEDBACKS to improve overall performance of their ward.



National Conference:

National Conference on Advanced Techniques in Electrical and Electronics Engineering (NCATEE-18) was organized by the department on May 9th 2018. Over 63 papers were selected from different colleges and universities across the country, after review they were presented



Staff Trip:

Staff trip was organized to Omkar Hills on 26th May 2018 as a recreation and to rejuvenate from routine work



Project Exhibition:

Talents and ideas of our young engineers was exhibited in a “Project exhibition” organized on 17th May 2018. Opportunity was given to our students to showcase their project works and the students of 6th sem & 4th sem were also allowed to interact and they have come across various hardware and software of Electrical and Electronics projects and gained knowledge which will help the students to carryout innovative project during their academic project work.



Farewell:

Staffs and students bid adieu to the outgoing students 25th May 2018. Various interactive activities were organized by the students and juniors performed the entertainment programs.





Paper Published by Staffs

Sl. No.	Name of the Faculty	Title of the Paper	Whether National /International	Journal/conference in which published/ presented	Date of Publication	Volume of publication	ISSN number	Impact factor	H-index	Citation index
1	Sandeep S R	Optimal system designing for hybrid renewable energy system with the aid of adaptive genetic Algorithm Incorporates Cauchy Mutation (AGA-Cauchy)	International	Journal of Green Engineering,	11 th June, 2018	Vol.8-1,1-16, River Publishers	19044720, 22454586	-	6	0.25
2	Chandrashekar M J	Study the Effect of RES Integration with AGC & AVR Controlled Deregulated Power System	International	International Journal of E&E Research	April-June 2018	Vol.6, Issue 2, pp (121-128)	2348-6988	-	-	-
3.	Hemalatha B K	Fuel Monitoring In Vehicles Using Atmega 328 Microcontroller	National	E-Belaku-18 National Level Technical Symposium	5 th May 2018	-	-	-	-	-

Staff Achievements:

- Dr. Lalithamma G A was Awarded Ph.d under Mysore University on 12th March 2018.
- Deepthi D and Neetha C along with Students of EEE have won 2nd prize in Western group dance competition held during Varchasva -18 on April 6th 2018.

Paper Published by Students

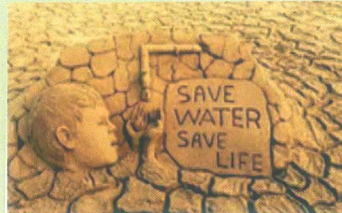
Sl. No.	Name of the student	Title of Paper	Whether National /International	Journal/conference in which published/presented	Date of Publication
1	Kavya M	Increasing life span of an energy storage system	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
2	Chaya Kiran	Increasing life span of an energy storage system	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
3	Kavana M S	Increasing life span of an energy storage system	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
4	Gaanavi	Intelligent Control Of Irrigation Pump Sets Using Rain Sensor	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
5	Rajeshwari R	Intelligent Control Of Irrigation Pump Sets Using Rain Sensor	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
6	Kishan B S	Intelligent Control Of Irrigation Pump Sets Using Rain Sensor	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
7	Sindhu R	Intelligent Control Of Irrigation Pump Sets Using Rain Sensor	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
8	Deepthi R	Light Fidelity	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
7	Chandan B M	Light Fidelity	National	National conference on convergence of science, technology and management NCCSTM-18	3 May 2018
8	Anitha Nirmala Raju	Light Fidelity	National	National Conference On Convergence Of Science, Technology And Management Nccstm-18	3 May 2018
9	Vijayalakshmi V	Light Fidelity	National	National Conference On Convergence Of Science, Technology And Management Nccstm-18	3 May 2018
10	Prateeksha M	Monitoring System Of Diesel Generator Units Using Plc	National	'e-Belaku'-18 technical Symposium	5 May 2018
11	Navya H	Monitoring System Of Diesel Generator Units Using Plc	National	'e-Belaku'-18 technical Symposium	5 May 2018
12	Sushma M	Monitoring System Of Diesel Generator Units Using Plc	National	'e-Belaku'-18 technical Symposium	5 May 2018
13	Sneha Banajawad	Fuel Monitoring In Vehicles Using Atmega328 Microcontroller	National	'e-Belaku'-18 technical Symposium	5 May 2018
14	Mousin Taj	Fuel Monitoring In Vehicles Using Atmega328 Microcontroller	National	'e-Belaku'-18 technical Symposium	5 May 2018
15	Kshitija Anil	Fuel Monitoring In Vehicles Using Atmega328 Microcontroller	National	'e-Belaku'-18 technical Symposium	5 May 2018

Student Placements

The department boasts of consistently successful placement of students to reputed companies like Capgemini, Mind tree, HP, Ntt data etc

SL	Date of Visit	Name of the Company	Name of the Students
1	27.09.2017	CAP GEMINI	CHANDRAJEET RAJ KOUSHIK M
2	12.09.2017	MIND TREE	KOUSHIK M
3	08.11.2017	HP INC.,	AKASH P CHOWDRY PRATHAP.S. GOWTHAM SOU MI ADHIKARI
4	10.11.2017	NTT DATA SERVICES	AKASH P CHOWDRY NIRMITH S SHETTY SOU MI ADHIKARI
5	11.11.2017	TATA CON-SULTANCY SERVICES	KARANAM MALLIKARJUN MONESH MANJUNATHA NAYAKA N SOU MI ADHIKARI

Save Water, Save life, Save the World



Save water is an initiative to promote water conservation among people in order to maintain the presence of clean water on the earth in future. Clean water scarcity has become one of the big problems in India and other countries all over the world affecting people's lives in many ways. This big problem cannot be solved alone or only a group of some people, it is the problem which needs global efforts of people together.

Three-fourth of Earth's surface is covered by water bodies. 97 per cent of this water is present in oceans as salt water and is unfit for human consumption. Fresh water accounts for only about 2.7 per cent. Nearly 70 per cent of this occurs as ice sheets and glaciers in Antarctica and other inaccessible places. Only one per cent of fresh water is available and fit for human use. So it is very important to conserve this precious resource. And yet we are contaminating the existing water resources with sewage, toxic chemicals and other wastes. Increasing population and rapid urbanisation has led to over-use of water resources leading to water pollution and scarcity.

There are different methods to deal with water scarcity. Rain water harvesting is the best and most suitable method. Forest and other vegetation cover reduce surface runoff and recharge ground water. So, practise afforestation. We can also promote water conservation through media and by conducting public awareness programmes.

By practising these simple steps we can conserve water and ensure the availability of water to future generations. So don't tarry; start saving each and every drop of water. Let our motto be "Save water, Save life, Save the world."