



Sports



Workshop on "Basic Electrical Engineering laboratory" for Non-teaching Staff

A workshop for non-teaching staff was conducted from 23/10/2018 to 25/10/2018 to throw light on practical conduction of Basic Electrical Engineering lab. All the experiments contained in the syllabus were discussed by the resource persons and hands on sessions were enabled to enrich their practical knowledge in the subject. The Technical staffs were able to understand the basic principles of Electrical Engineering and they could execute the same in the laboratory.



Alumni Interaction

Akash P Choudhry bearing a USN 1JB14EE003 and Shreyas N Swamy bearing a USN: 1JB15EE412 of 2014-18 batch had an interaction with VII semester students. He discussed briefly on:

- The necessity of updating upcoming technologies in view of better placements.
- Told how about placements outside the campus.
- To learn French language for those who are planning to study abroad



Paper Publication by Staff

Sl. No	Name of author	Title of Paper	Whether National /International	Journal/conference in which published/presented	Date of Publication	Volume	ISSN number	Impact Factor	H index	Citation index
1	Sandeep S R	ABC Based ANN Supervisory control of standalone Hybrid Renewable Energy generation systems	International	Scimago Journal (Scopus)	15 th May 2018	10	1943-023X	-	6	-

Placement

Sl.No.	Date of visit	Name of the company	Name of the students
1.	11/9/2018	TCS	DEEPIKA S K, KISHAN B S, PARINITH B K, KSHITIJA ANIL UDGIKAR
2.	28/9/2018	SLK	DEEPTI R, MOUSIN TAJ, NAVYA H, PRATHIBHA SATISH
3.	15/10/2018	Nobroker.com	KUMARI APARNA
4.	23/10/2018	L&T Infotech	MOUSIN TAJ, GAANAVI GOWDA H B
5.	19/11/2018	Infosys	ANKITHA NIRMALA RAJU, DEEPTI R, KISHAN B S, KSHITIJA ANIL UDGIKAR, PRATHIBHA SATISH, SINDHU R

Save Energy, Save Earth

The world today is facing an almost insurmountable energy crisis. As our demands on Mother Nature keep increasing, more and more fossil fuels are being burnt. With our global economy currently outgrowing the capacity of the Earth to support, our early twenty first century civilization is facing grave challenges of possible decline and collapse. It is high time we unite in our efforts to protect our planet, and devise strategies to overcome the looming energy crisis.

It is the same story with the electricity sector also. Most people use it and see it as something that is infinite and probably don't give a second thought about its source. And, even though electricity appears to be clean, the ugly truth is that, most of the electricity production comes from fossil fuels and nuclear power plants. Simply stated, the more the electricity used, the greater is the pollution, and the worse will be our habitat. Saving electricity doesn't just save money; it helps in keeping the environment clean too.

As an individual, we can do our bit by behaving more responsibly, keeping in mind the golden saying "Energy saved is energy produced". Here is a list of things that can be done to conserve energy:

- Switching off lights, fans and other electrical gadgets when not in use is a good start. But, there are many more ways in which can save energy for the future.
- Diversify batch operations in night hours (10PM to 4PM) and plant shutdowns in peak hours (7AM-11AM and 6PM-10PM) to reduce the cost of electricity.
- Always pull the power plug on equipment's such as play stations, CD players, computers and televisions after use. When the red light is shown, it means that it still leaks electricity because the equipment is in standby mode.
- Make optimum use of renewable sources like the solar and the wind. Drying clothes the natural way when possible is an example.
- We can recycle paper as it uses 90% less water and 50% less energy to recycle a paper than to manufacture a new one. It also produces 36% less CO₂.
- Let us keep this in mind: Our everyday actions have far reaching consequences. It determines whether life on Earth will flourish or perish. So, one simple action, or a change in habit will go a long way in saving the planet.



|| Jai Sri Gurudev ||
Sri Adichunchanagiri Shikshana Trust (R)

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Department of Electrical & Electronics Engineering

SATHVA SAMPAD

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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 to the educational needs of every students which has an intake of 60 students per 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 lavalieri 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.

Orientation to Students by Class Teacher:

- Acquainted about College, department, Vision and Missions of college and department.
- Highlighted on University rules and mandates.
- Briefed about college & department rules & regulations.
- Emphasised on optimum usage of Edmodo platform for submission of quizzes, referring study materials and to interact with subject teachers.
- Insisted on attending all the classes regularly and to be on time to avoid shortage of attendance.
- Emphasized on not missing any classes or labs without prior permission from respective subject teacher & class teacher.



- Advised to take all the three-internal assessment test compulsorily and with due seriousness.
- Insisted on utilize complete time allocated for internal assessment.
- Stressed upon mini-projects & seminars which will be closely monitored.
- Insisted on timely submission of quiz and assignments & other works
- Warned not to carry mobiles & other gadgets to classrooms, instead can avail the facility of pigeon rack provided.
- Culminated to maintain discipline in the classroom and on the college campus.
- Advised to improve academic performance and move towards getting ranks.
- Make best utilization of available time by undergoing certification courses, learn some foreign language etc.,
- Make use of available resources in college like dept. library, digital library, e-journals, main exam QP in library.
- Keep updated with growing technology through newspapers, technical magazines which are also available in the college library.
- Motivated students to give equal importance to academics, co-curricular and extra-curricular activities

Orientation to Students by HOD

- Insisted on following discipline in college which would reflect our personality and also helps in building the decorum of department.
- Advised to take things positively and progress with the knowledge gained in the department.
- Glorified on strengths of students like courage, young and open minds, strengths and advised them to utilize these in positive ways to achieve self progress which will also helps in country progress.
- Told that teacher community always look into students progress so asked students to believe and follow teachers.
- Asked the students to be good examples to others.
- Students can approach proctor, subject teacher, class teacher & HOD to express their problems and difficulties. Department will always stand in their support.
- Advised the students to complete the work assigned not for the sake of teachers but do it for their own benefit.
- Spoked about different opportunities available for electrical engineers in IT, core and PSU's.
- Orientation was concluded with best wishes to students.



Academic quiz conduction

- An academic quiz was conducted after the first internals on 5th & 6th September From 8.30 am to 10.30 am for 3rd, 5th and 7th sem students.



Blood Donation Camp

National service scheme Unit of SJB Institute of Technology organized 8th Mega blood donation camp on 27th and 28th August 2018 as a part of Induction Program in association with the Red Cross Society Karnataka, Blood bank, Victoria Hospital Blood bank, Bengaluru, Rotary Bengaluru, Banashankari Branch and BGS Global Hospital Bengaluru. The Students from 1st semester to 8th Semester responded well and voluntarily donated the blood, the staff members were also actively involved and donated the blood. Refreshment was arranged for all the blood donors and certificates will be issued to the donors on this occasion. The Blood donation camp was huge success and around 380 (Three hundred and eighty) Units of blood will be donated by staffs and students of SJBIT. The students from EEE Department also actively participated in 8th mega blood donation camp.



Workshop for Students

- Topic: "Basics of E-Plan" and "Basic course on programming with labview" - 29th Jan – 3rd Feb 2018. Organized by : Ethnotech academic solutions

E plan is an electric software helps us to design and create various applications of electrical engineering. Labview is a virtual instrumentation software helping the students for better understanding of the theoretical concepts and also to execute various projects.

STTP: Short Term Training Program

- Three day workshop held on "Solar energy and Smart systems" by Sci-Fi labs

Students of 5th semester, EEE participated in the workshop held at our campus between 30th July 2018 to 1st August 2018.



It started with a brief introduction about solar energy and energy grids followed by a session on basics of using microcontroller. Students built the circuit for a mobile charger using a solar panel and they worked with programming and functioning of LED's using microcontroller followed by a series of practical sessions.

Students were able to design and implement a smart traffic light system by programming microcontroller and object sensors using C language. This workshop emphasized totally on practical session with interesting hands-on projects.

Guest Lectures: From April 2018 to till date

- A Guest lecturer was delivered on "Advanced Topics in Embedded System Design & Modelling" by Prof.Anjan Kumar B S from BIT Bengaluru, on 17th May 2018

Discussed about Advancements in embedded system and its design and importance of embedded modelling. All the Embedded system elective students of 6th sem Attended the guest lecturer and that helped them to understand the importance and applications of embedded in the current industry perspective.



- A Guest lecturer was delivered on the topic "Industrial drives and its control" by Prof.Anjan Kumar B S by Ganeshan Vishwanath, Chief executive,VJT, Bangalore on Thursday 11/10/2018

Discussed on drives and explained about industrial applications. Gave broad exposure on various methods of speed control for induction motors and DC motors for constant v/f ratio. Mentioned about types of four quadrant operation of machines and its characteristics for P, PI, PID, ANN, FPGA. Discussed about video clipping for multiplexing of m/rs and they were displayed. This lecture helped the students to gain knowledge about methodologies involved about motor controlling like speeding, braking etc. This throws light for the students on project based converters, inverters and methods of motor controlling.



Students Club activities

Students club has organized the birthday celebration of the second President of India, Dr. Sarvepalli Radhakrishnan, born on 5th September 1888, which has been celebrated as Teacher's Day.

On 8th September 2018, teachers and students involved in various activities like Anthakshari, Karaoke, Guess the Picture etc., on remembrance of Teacher Day. This makes a good rapport, healthy interaction & understanding between the teaching and student's community.



Industrial Visit

Industrial visit/trip for the academic year 2018-19 was organized on 03rd October 2018. We the students of 5th semester visited MGIRED (Mahatma Gandhi Institute of Rural Energy and Development) Srirampura Cross, Jakkur, Bengaluru - 560 064 to fulfill the curricular activities of students with your respectful permission. MGIRED is implement with a state-of-the art programmes in partnership with state and national stakeholders through best practices for Renewable Energy, Energy Conservation, Environment and related subjects.



Industrial visit/trip for the academic year 2018-19 was organized on 05th October 2018. Our 7th semester students visited State load dispatch Centre (SLDC), Ananda Rao circle Bengaluru-01 to fulfill the curricular activities of students with your respectful permission.

- SLDC is
- Be responsible for optimum scheduling and dispatch of electricity within a State, in accordance with the contracts entered with the licensees or the generating companies operating in that State;
 - Monitor grid operations
 - Keep accounts of the quantity of electricity transmitted through the State grid



Ayudha Pooja

Staff & Students club has organized the celebration of Ayudha Puja, Ayudha Puja is an integral part of the Navratri. It means "Worship of Instruments". On 17th October 2018, teachers and students involved in celebration of Ayudha Puja, this makes a good practice of celebrating a traditional festival.



Ethnic day

The department of EEE had participated in inter department competition based on the theme "Space" in the ethnic and cultural day – "Samskruthi" 2018 which was conducted on 03.11.2018



PTM

The Parents Teacher Meeting was held on 10-11-2018 Saturday from 8:30 AM to 4:30 PM in Electrical machine lab, Dept. of EEE. 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. A response was Good and interacted with Class teachers, HOD and staff members. Attendance, Internals Assessments marks, results of previous semesters and Extra- curricular activities of students were discussed, and parents feed-back was taken to improve overall performance of their ward.

