



|| 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

Issue - 11, December 2019



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 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 laviere 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 HOD

- HOD extended the hearty and warm welcome to the students.
- Orientation emphasized on the sincere efforts of the students for strengthening their personality for better careers.
- Insisted on following discipline in college which would reflect our personality and also helps in building the decorum of department.



- Discussed about the roles and responsibility of the students in department and institutions for setting up themselves for their better career prospects.
- Glorified the scope of electrical engineers in the industry as well the acadademia in the coming decade.
- Advised to take things positively and progress with the knowledge gained in the department keeping apart the presumes.
- Highlighted the University rules and mandates.
- Higlighted with details of the initiatives taken by the institutionand deparment like DPD, Skill training, encouragemnet for MOOC courses, co and extra curricular activities for the betterment of the student faternity.
- Students can approach proctor,subject teacher, class teacher & HOD to exprees their problems and difficulties. Department will always stand in their support.
- Emphasised the Importance of POs and PSOs and also subject related COs
- Orientation was concluded with best wishes to students.

Orientation to Students by Class Teacher

- As a normal routine we acquainted the students about College, department, Vision and Missions of college and department.
- Highlighted on University rules and mandates.
- Briefed about college & department rules & regulations.



- Importance of POs and PSOs and also subject related COs were briefed
- Insisted on following the rules set and complete the work within a stipulated deadline.
- 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 with due seriousness.
- Insisted on utilize complete time allocated for internal assessment.
- 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.
- Highlighted upon the SWAYAM courses that would help the students to strengthen their resume and also help them to crack the placement tests

Ayudha Puja Celebration

Staff & Students club had organized the celebration of Ayudha Puja, Ayudha Puja which is an integral part of the [Navratri](#). It means "Worship of Instruments".

On 4th October 2019, teachers and students involved in celebration of Ayudha Puja, this makes a good practice of celebrating a traditional festival. And food was arranged for staffs and students.





Teacher Day Celebration

Students club has organized the birthday celebration of the second President of India, Dr. Sarvepalli Radhakrishnan, who was



born on 5th September 1888, which has been celebrated as Teacher's Day. On 6th September 2019, teachers and students involved in various activities like Anthakshari, Karaoke, Guess the Picture etc., to mark of Teacher's Day. This makes a good rapport, healthy interaction & understanding between the teaching and student's community.

ED cell activity

As per direction from ED cell dept of EEE organized a seminar for 5th and 3rd semester students on 12-10-2019 at 09:30 AM. The speaker is Mr. Gangaraja B K, General Manager, SQM, Continental Automotive components India pvt. Ltd. Has delivered a talk on "Motivation to Become an Entrepreneur". By this talk Students have got much more information about how to become Entrepreneur. We



Industrial Visit

Industrial visit/trip for the academic year 2019-20 was organized from 27th September 2019. We the students of 5th semester visited Madhavamantri Mini Hydel Power Station, T Narashipura and nearby places and to fulfill the curricular activities of students.



Industrial visit/trip for the academic year 2019-20 was organized from 04th October 2019. The students of 7th semester visited KPCL 10MW Solar Power plant, Mallavalli, Mandya and nearby places and to fulfill the curricular activities of students.





Community Service

As part of the Induction Program and department social responsibility the staff and 1st year students of the department had taken initiative and visited the “Sneha Jyothi orphan children’s home” on 22-08-2019 with an objective of helping the children’s and also to create an awareness among the student’s community to help the peoples in the society. During the visit the department has donated an amount of Rs. 2000 and students have donated notebooks, pens, first aid kit and other stationeries to the children. Students have played games with children and entertained them.



As a part of department social responsibility and guidelines from IQAC the staff and students of the department had taken initiative and visited the “Balya Orphanage” run by Annapurna charitable trust on 13-11-2019 with an objective of donating the fund towards education purpose and other necessary things for daily usage 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 the department has donated an amount of Rs.1000, 25Kg Rice, Mysore sandal soaps tooth paste and other stationeries to the children.



Parents Teachers Meeting

The Parents Teacher Meeting was held on 05-05-2018 Saturday from 8:30AM to 12:30PM in Electrical machine lab, Dept. of EEE. Parents response was Good and interacted with Class teachers, HOD and staff members. And feed-back was taken from Parents about Parents Teacher Meeting.



Faculty Development Program

FDP Title: “Application of Advance Power Electronics for Power Systems, Power Quality and Electric Vehicles”



About FDP:

EEE department organized Six days FDP on “Application of Advance Power Electronics for Power Systems, Power Quality and Electric Vehicles from 15th July, 2019 to 20th July 2019 Speakers enlightened on many upcoming advanced applications on various electrical streams as power electronics has penetrated almost all the fields. FDP focused on the necessity to understand the actual cause of power quality problems and analyzed effective counter measures.



Workshop

The workshop in the Internet of Things (IOT) was held at the EEE department over a span of a week by Saka Tej Kumar (IoT, Robotics, Mechatronics) and Rup Kumar Sasamal (IoT, Robotics, Mechatronics) on 19.08.2019 shared their insights, real life sceneries practical use cases and their solution for 5th semester students and introduction was given to the basics of sensors and actuators, later on were told about the various IOT platform that are available then had real time experience with Arduino microcontrollers

Guest Lecture

A Guest lecture was delivered on “Startup in Core Engineering” by Asif Akhter, Electrical Engineer Piston Smart Engineers, New Delhi on 26.09.2019 for 7th semester students.





Alumni Interaction

- Nathan N.R discussed on how to face an interview & challenges and preparation for an interview on 18/11/2019



- Kaju Kumar discussed on Preparation to have good Academics Enlightens on higher studies and abroad on 18/11/2019



- Vivek discussed on how to face an interview off campus on 18/11/2019



- Rakesh Mandal discussed on Importance of HRD classes and How to face unknown challenges in IT on 10/12/2019



Non-Teaching Workshop

- A three day's workshop on 'Technical training to non-teaching staffs was conducted from 21/10/2019 to 23/10/2019 to throw light on practical conduction of Basic Electrical Engineering, Power system simulation, Micro controller, Electrical machines and Electronics laboratory.



Expert Lecture

Pankaj Kumar Verma, Asst. manager from Academic Relation addressed our Pre final year students on 25/09/2019, regarding the Empowerment of students in making the right career and college by considering the competitive scenario and also briefed about the different advantages, scoring tips and tackling the exam of GATE, ISE etc.





Paper Publication by Staff

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	Issue & ISSN No.	Impact Factor	H-Factor	Citation index
1.	Dr. Babu N V	Energy efficient Hierarchical Clustering using HACOPSO in wireless sensor networks	International	International Journal of Innovative Technology and Exploring Engineering	October 2019	Vol-8	Issue 12, ISSN:2278-3075	-	-	-
2.	Chandra Shekar M J	Automatic generation control with Adaptive optimization for multi-objective problem by Renewable resources	International	Journal of Advanced Research in Dynamical & control systems	June 2019	Vol-11	IISN 1943-023X	-	-	-
3.	Chandra Shekar M J	Adaptive Grid controller – cost Reduction and dispatch with emphasis on Renewable energy sources	International	International Journal of Innovative Technology and Exploring Engineering	October 2019	Vol-8	Issue-12, ISSN:2278-3075	-	-	-
4.	J P Sridhar	Multi-objective whale optimization based minimization of loss, maximization of voltage stability considering cost of DG for optimal sizing and placement of DG	International	International Journal of Electrical and computer Engineering	April 2019	Vol-9	ISSN:2088-8708	-	-	-
5.	J P Sridhar	Power Quality improvement using UPQC in distribution system with hybrid renewable resources considering dynamics	International	ARNP Journal of Engineering and applied sciences	April 2019	Vol-14	ISSN:1819-6608	-	-	-
6.	Prarthana J V, Dwarakanath S K, Vijay Kumar K	Design of A System to Detect Hazardous Gases In Vehicles and Alerting A User	International	International Journal of Current Engineering And Scientific Research	July 2019	6	2394-0697	-	-	-



Placements Details for 2019-20 batch as on 30/11/19

Sl. No.	Name of the company	Name of the students	Sl. No.	Name of the company	Name of the students
1.	TCS	DIKSHITA DAYANAND REVANKAR	10.	Accenture	PRIYADARSHI MRINAL
2.	TCS	VARUN G M	11.	Accenture	RAGASHREE N
3.	LTI	SANJAY S	12.	Accenture	RAJ SHREE
4.	Mindtree	VARUN G M	13.	Accenture	SANJAY S
5.	Accenture	DIKSHITA DAYANAND REVANKAR	14.	Accenture	SRI LAKSHMI B KAUNDINYA
6.	Accenture	DIVYA H S	15.	Accenture	VARUN G M
7.	Accenture	HEMANTH R	16.	Infosys	SAUMYA MISHRA
8.	Accenture	JOSHUA PRABHAKAR	17.	Infosys	THANUSHA G
9.	Accenture	LAFEEZ P			

Electric Vehicle

India unveiled the 'National Electric Mobility Mission Plan (NEMMP) 2020' in 2013 to address the issues of National energy security, vehicular pollution and growth of domestic manufacturing capabilities.

The government seems to have two dominant objectives - to control pollution and take the lead in an emerging industry. Reiterating its commitment to the Paris Agreement, the Government of India has plans to make a major shift to electric vehicles by 2030. E-commerce companies, Indian car manufacturers like Reva Electric Car Company (RECC), and Indian app-based transportation network companies like Ola are working on making electric cars more common over the next two decades. Apart from this, start-ups like Oculus Auto are working on making electric three wheelers more common over the coming years. Energy Efficiency Services Limited (EESL), a joint venture of PSU's of Ministry of Power, Govt. of India is leading the procurement and sale of Electric Vehicles in India.



EDITORIAL BOARD

Chief Patron : His Holiness Jagadguru Sri Sri Sri
Dr. Nirmalanandhanatha Mahaswamiji
Chief Pontiff, Sri Adichunchanagiri Maha Samsthana Mutt

Patron : **Revered Sri Sri Dr. Prakashnath Swamiji**
Managing Director, SJBIT

Editorial Advisor : **Dr. Puttaraju**
Principal, SJBIT

Chief Editor : **Dr. Babu NV**
Head of the Department, EEE, SJBIT

Editor : **Vijay Kumar K**
Assistant Prof., Dept. of EEE, SJBIT

Students Editors : **Lafeez P, Priyanka S**
Manish S M, Mohammed Tawfiq