



|| 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 12, July 2020

## NEWS LETTER

**VISION :** "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"

**MISSION :**

- M1: To provide learner-centric environment through quality education and training
- M2: To lay the foundation for research by fortifying peers & establishing incubation center.
- M3: To develop the overall personality of the students to face the challenges of the real world.

### About The Department

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 laudable milestone for SJBIT EEE has signed MOU with M/s Mahatma Gandhi Institute of Rural Energy & Development (MGIRE), M/s Elepro Electrical Engineers (P) Ltd., M/s VV Technologies, M/s Power Research and Development Consultancy Ltd., Viswajothi Technologies Pvt. Ltd., VV Systems and Power Panels Pvt. Ltd., Gustovaly Technovations, Viji Power Transformers Pvt. Ltd. And Power Equipment Systems. The department is devoted in ensuring



transformational impact on learning community of the EEE students and to fulfill this mission, several activities are conducted.

### Orientation to Students by HOD

- HOD extended the hearty and warm welcome to the students.
- Insisted on following discipline & to maintain attendance.



- Iterated on 3 aspects which requires utmost attention that are internship, Project & Seminar.
- Discussed about the roles and responsibility of the students in department and institutions for setting up themselves for their better career prospects.
- Urged them to take their project works sincerely.
- Advised to change the aptitude towards learning which helps them to strengthen their approach toward shaping their career.
- Addressed about segregation of 4th sem class into two different section to help lateral entry students by giving more individual attention to improve them in overall academic performance.
- Advised them to be updated to new trends & for progressive learning technically.
- Highlighted with details of ongoing NBA activities & importance of outcome based learning.
- Iterated about students responsibility in contributing to NBA score to dept. Students were made aware of NBA visit and were given brief idea about the NBA process
- Emphasized on the students hardwork, participation which would help shape their future towards progress passing these tradition to their juniors.
- Orientation was concluded with best wishes to students.

### Orientation to Students by Class Teachers:

- Acquainted the students about College, department, Vision and Missions of college and department.
- Emphasised the Importance of PO's and PSO's and also subject related Cos.
- Advised students to attend all classes regularly and to be on time to avoid shortage of attendance.
- Emphasised on optimum usage of Edmodo platform for submission of quizzes, referring study materials and to interact with subject teachers.
- Insisted on following the rules set and complete the work within a stipulated deadline. As there were lapses in previous semester in the same aspect, students were warned not to repeat the same.
- Emphasized on not missing any classes, labs or HRD Sessions



without prior permission from respective subject teacher, class teacher and HRD coordinator.

- Advised to take all the three-internal assessment test compulsorily and with due seriousness.
- Students must utilize complete time allocated for internal assessment.
- No mobiles & other gadgets are allowed to classrooms instead can avail the facility of pigeon rack provided.
- Should maintain discipline in the classroom and in 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.



### JVTM 2020:

EEE department students had participated and showcased their project in Jnana Vignana Tantragnana Mela on 19th and 20th Feb 2020, which was held at Sri Adichunchanagiri Mutt.



### Guest lecture

Guest lecture was arranged on the topic "Recent advances in power system operation and control" for 8th semester students on 17/2/2020.



The speaker Mr. K Paramesha, KPTCL, addressed students to create awareness on the above said domain. Speaker focused on Power For all-encouraged installing Generation facility and unprecedented RE Integration into the Grid [climate change-Paris treaty].

### IISC open day

EEE department students had visited to IISC open day on 29/02/2020.



### First Year Students Orientation

The orientation program for the newly admitted undergraduate 2020-21 batch EEE students was organized on 05-01-2020 at 9:30 AM. Students were formally welcomed and introduced to the department by Dr. Babu N V, Prof. & HOD, EEE Department. The orientation began with a brief introduction about the institution and department. Also briefed about University guidelines, Teaching-learning evaluation, Co-curricular activities etc.



### Yoga Day celebration

Department of Electrical and Electronics Engineering has organized YOGA session with the permission of Principal sir, which is conducted by Yoga expert in department to the Staff of EEE department, Yoga class was held for entire month of June 2020 every day from 3:30 pm to 4:30 pm and have celebrated World Yoga Day on 22<sup>nd</sup> June 2020. During the celebration HOD sir addressed to the staffs about the benefit of yoga.





## Webinar Organized

Sl. No	Faculty Name	Webinar Title	Resource Person	Date and Time	Target Audience
1.	1.Dr.Babu N V 2 Mr.Dwarakanath S K 3.Mr.J P Sridhar	Recent Trends and Opportunity in Embedded Systems	Mr. Kumaraswamy Cofounder and CEO, Addition Technologies	23/5/2020 10.30am	Faculties, and Research scholars
2.		Intellectual property rights and patent filing	Mr. Devendra Gowda, SGU University	3/6/2020 @ 10.0 am	Faculties, and Research scholars
3.		Electrical switch Gear and Its Applications	Dr. Shivanad D V, DBSON Technologies, Tumkur	9/7/2020 @ 11.00 am	Faculties, students and Research scholars
4.		Applications of Machine Learning models in Electrical Engineering	Ms. Madhu Uday Alumni	18/7/2020 @ 11am	Faculties, students and Research scholars
5.	1. Mr. M J Chandrashekar 2. Dr. Mamatha Mahesh Gowda 3. Mrs.Rekha P S	Connected Car - A Vehicle Technology	Mr. Prashanta Kumar Global System Lead, Fiat Chrysler Automobiles Michigan, USA	06/06/2020 Saturday @9:00AM	Faculties and Research scholars
6.		Industry 4.0	Mr. Subhash P Senior Manager Bosch Automotive	13/06/2020 Saturday @10:30AM	Faculties and Research scholars
7.		An Overview and Current trends in Oil and Gas Industry	Mr. Mahesh Kumar Lead Engineer, Drill Bits R&D, Schlumberger, Texas, USA	16/07/2020 Thursday @9AM	Faculties and Research scholars
8.		Submarine Cable Technology for Offshore Wind farms	Mr. Avinash Electrical Engineer, Iberdrola / Scottish Power, Germany	Webinar:18/07/2020 Saturday 11:00 to 12:30 PM	Faculties and Research scholars
9.	1. Mr.Sandeep S R, 2. Mrs. Hemalatha BK 3. Mr. Vijay kumar K 4. Mrs. Prarthana J V	Clean Energy and Electric Vehicles	Mr. Raghavendra Madaiah, Head of Sales, Large Projects Bosch Limited	13/06/2020 Saturday @ 9.30 AM	Faculties and Research scholars
10.		Value of IEEE research for Technical Institutions	Dr.Collin Dmello International Area Manager IEEE India operation Centre	10/06/2020 Thursday @ 11.30 AM	Faculties and Research scholars
11.		Emerging Trends In IOT and Embedded systems	Mr.Mohan H M Research Engineer Digital Shark Technology	14/07/2020 Tuesday @ 11.00 AM	Faculties and Research scholars
12.		Stress: Its Implication and understanding yoga to deal it.	Mrs. Sowmyashree Master in Yoga Therapy Yoga Anusandhana Samsthanam SVYASA Deemed University	15/07/2020 Wednesday @ 11.00 AM	Faculties, Students and Research scholar
13.	1. Mrs.Tarakeshwari V 2. Mrs.Vidyashree M. S	Recent Advances in AI, ML &Robotics from-Macro to Nano Stage	Dr. T.C ManjunathProfessor & Head , Dept. of ECE, DSCE, Bengaluru.	8/06/2020 @ 2.00 pm	Faculties and Research scholars
14.		Effect of Pandemic on Technical Education	Dr. Abhishek Appaji Sight Chair, IEEE Bengaluru section BMSCE	30/06/2020 @ 11:00 am	Faculties and Research scholars
15.		Robotics for Industrial Automation	Dr. Abhay Despande ECE, RVCE, Bengaluru	17/07/2020 @ 11 AM	Faculties and Research scholars
16.	1.Mr.Prakyath D 2.Mr.Kubera U 3.Mr.Chiranth L N	Intelligent Adaptation of Data Analysis in Banking Domain	Ms. Jayashree Lakshmi, Python Backend Engineer, Fin-Tech Company	15/05/2020 Saturday @ 3:00 PM to 4:00 PM	Faculties, Students and Research scholars
17.		PLC and It's Applications	Mr. Yogananda B S, Asst. Prof. SSIT Tumakuru	30/06/2020 Tuesday @ 10:30 AM to 11:30 AM	Faculties, Students and Research scholars
18.		DSP and It's Applications	Dr. L. Sanjeev Kumar, Professor and HOD Dept. of EEE, SSIT, Tumkur	15/07/2020 Tuesday @ 3:00 PM to 4:00 PM	Faculties, Students and Research scholars



## Paper Publication by Staff

SNo	Name of the Faculty	Title of the paper	Whether National/ International	Journal conference in which published presented	Dt.of publication	Vol.of publication	Issue & ISSN No.	Impact Factor	H-Factor	Citation index
1.	Sandeep S R	Configuring optimal Hybrid RE System with the Aid o Efficient social spider optimization (ESSO)	International	International Journal of Advanced Science and Technology	April 2020	29	ISSN: 2005-4238	-	3	-
2.	Dwarakanth S K	Performance analysis of switched reluctance motor with different core materials	International	Journal of Emerging Technologies and Innovative Research (JETIR)	July 2020	7	Issue 7 & ISSN-2349-5162	-	-	-
3.	Prarthana J V	Wireless Secure line man safety system and Fault Identification and Intimation of HT-Wire	International	International Journal of Advanced Research in science, communication and Technology	Jul-20	Vol-7	Issue 4, ISSN 2581-9429	-	-	-
4.	Vijaykumar K	Control of a grid connected PV System under Harmonic Distortion, Frequency Variations and Unbalances	International	International Journal of Advanced Research in science and Technology	Jul-20	Vol-7	Issue-4, ISSN 2581-9429	-	-	-
5.	Vijaykumar K	Improvement of Voltage profile using analysis & modeling of the HVDC Transmission system	International	International Journal of Advanced Research in science and Technology	Jul-20	Vol-7	Issue-4, ISSN 2581-9429	-	-	-
6.	Dwarakanath S K	Intelligent Health Monitoring System	International	International Journal of Advanced Research in science and Technology	Jul-20	Vol-7	Issue-4, ISSN 2581-9429	-	-	-
7.	Vidyashree M S	Speed Control of DC Motor using PLL	International	International Journal of Advanced Research in science, communication and Technology	Jul-20	Vol-7	Issue 4, ISSN 2581-9429	-	-	-
8.	Chandrashekar M J	To Optimize the Design of a magnetic motor	International	International Journal of Advanced Research in science, communication, and Technology	Jul-20	Vol-7	Issue 4, ISSN 2581-9429	-	-	-
9.	Kubera U	Fault analysis of grid connected solar photovoltaic system	International	International Research Journal of Engineering and Technology	Feb-20	Vol-7	Issue-02, ISSN-(E)2395-0056	-	-	-

## Paper Publication by Students

Sl. No.	Name of the Student	Title of the paper	Whether National/ International	Journal/ conference in which published presented	Date of publication	Vol. Publication	Issue & ISSN No.
1.	Thejas Kumar C L Gunashree R Twinkle Mercy Suraj R	Wireless Secure line man safety system and Fault Identification and Intimation of HT-Wire	International	International Journal of Advanced Research in science, communication and Technology	July 2020	Vol-7	Issue 4, ISSN 2581-9429
2.	Anjana M Asha R Ragashree N Thrupthi Bai	Control of a grid connected PV System under Harmonic Distortion, Frequency Variations and Unbalances	International	International Journal of Advanced Research in science and Technology	July 2020	Vol-7	Issue-4, ISSN 2581-9429
3.	Thanusha G Veena T V Srilakshmi B Kaundinya Chitra S	Improvement of Voltage profile using analysis & modeling of the HVDC Transmission system	International	International Journal of Advanced Research in science and Technology	July 2020	Vol-7	Issue-4, ISSN 2581-9429
4.	Balaji K S Venkatesh Prasad N C Vishal S Havish Manjunath K	Intelligent Health Monitoring System	International	International Journal of Advanced Research in science and Technology	July 2020	Vol-7	Issue-4, ISSN 2581-9429
5.	Brunda A Meghana K Preethi G R Umar Khan	Speed Control of DC Motor using PLL	International	International Journal of Advanced Research in science, communication and Technology	July 2020	Vol-7	Issue 4, ISSN 2581-9429
6.	Dikshith Gowda R Chandana M Charan N Kiran R	To Optimize the Design of a magnetic motor	International	International Journal of Advanced Research in science, communication and Technology	July 2020	Vol-7	Issue 4, ISSN 2581-9429

## EDITORIAL BOARD

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