



Department of Electrical & Electronics Engineering

SATHVA SAMPADA

Issue 13, December 2020

NEWS LETTER

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 laviere to SJBIT milestone EEE has signed MOU with M/s Mahatma Gandhi Institute of Rural Energy & Development (MGIRE), M/s Elekpro 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., Gustavo Technology, 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 through the virtual mode .



- Insisted on following discipline & to maintain attendance as per VTU Norms & the decorum of virtual class.
- Iterated on 3 aspects which requires utmost attention that are internship, Project & Seminar.
- Guided them to remain positive against all odds & difficult situations during this pandemic.
- Urged them to take their project works sincerely.
- 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.
- Advised to change the aptitude towards learning which helps them to strengthen their approach toward shaping their career.
- Highlighted with details of ongoing NBA activities & importance of outcome based learning.
- Iterated about students responsibility in contributing to NBA score to dept.
- Spoke on different opportunities available for electrical engineers in IT, core and PSU's.
- Emphasized on the students hard work, participation which would help shape their future towards progress passing these tradition to their juniors.
- 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.
- Orientation was concluded with best wishes to students.



Orientation to Students by Class Teacher

Orientation included:

- Highlighted about the new platform for virtual teaching "Microsoft teams"
- mandated the University Norms & Regulations.
- Briefed the students about College, department, Vision and Missions of college and department.
- Outlined the college & department rules & regulations.
- Acquainted the time-table of theory & lab sessions.
- Emphasized on managing placement & academic activities in parallel.
- Emphasised the Importance of PO's and PSO's and also subject related Cos .
- Insisted on attending all the virtual classes regularly and to be on time to avoid shortage of attendance.
- Iterated on optimum usage of Edmodo platform for submission of quizzes, referring study materials and to interact with subject teachers
- Advised to take all assessment test & assignments with due seriousness.
- Iterated to maintain decorum of class.
- Highlighted upon the SWAYAM/MOOC courses that would help the students to strengthen their resume and also help them to crack the placement tests
- Guided about Projects, Seminars, Internship Reports etc.,
- Directed them about usage of online library link for technical papers etc.

Staff Club Activity

As per the guidelines from the central staff club committee, the department has organised activities for staff under department staff club. The Shuttle badminton, Carrom and Chess activities were conducted in the department for all staff on 22/10/2020 Thursday at 1:30 pm to 4:30 pm.



Ayudha Pooja Celebration

The Staff Club of the department has organized the celebration of Ayudha Pooja. Ayudha Pooja is an integral part of the Navaratri. It means "Worship of Instruments". Also the day we honor and express gratitude for all the instruments that add meaning to our life.



On 23rd October 2020, all staffs of the department were involved in the celebration of Ayudha Pooja, this makes a good practice of celebrating a traditional festival.

Sadbhavana Diwas

The birth anniversary of Late Shri Rajiv Gandhi, Former Prime Minister of India on 20th August is observed as 'SADBHAVANA DIWAS'. The theme of sadbhavana is to promote national integration and communal harmony among people of all religion and languages. Sadbhavana Diwas is celebrated on 20.08.2008. In this regard, with the Principal direction, the department has organized and celebrated the Sadbhavana Diwas. During the celebration of Sadbhavana Diwas the following pledge was taken by all Faculty and Staff of the department:

I take this solemn pledge that i will work for the emotional oneness and harmony of all the people of India regardless of caste, region, religion or language.

I further pledge that i shall resolve all differences among us through dialogue and constitutional means without resorting to violence.



Farewell Function

Department of EEE under staff club had organized farewell function to Dr. Lalithamma G A, on 20/10/2020, who worked in the department since 2006. Many of the staffs and HOD shared their views on madam. Dr. Lalithamma G A, also shared her work experience in this department. At the end, she was honoured by HOD on behalf of the department by presenting a memorable gift.





Parents Teachers Meeting

Online Parents Teacher Meeting was held in the month of October and November 2020. Parents response was Good and proctors interacted with parents regarding their wards performance during pandemic.



Guest Lecture

A online Guest lecture was arranged on the topic “ Power Electronics in Automotive” for 7th semester students on 12/12/2020. The speaker Mr. Raghavendra Madaiah, Head of sales, Large Projects & IPP (Solar) Bosch Ltd. Bengaluru, being expert in the field of Solar and Electric Vehicles, he shared his knowledge on EV battery revolution, drives for EVs and Power Electronics applications.



A online Guest lecture was arranged on the topic “Solar Technology” for 5th & 3rd semester students on 24/12/2020. The speaker Mr. Pramod, Consultant faculty MGIRED Bengaluru, being expert in the field of PV system, he shared his knowledge on Solar energy evolution, Materials used for solar cells, Grid tied Solar system and Stand alone PV system.



Alumni Interaction

Chandan B M of 2015-19 batch interacted with our 5th sem students on 26th of September 2020 through Microsoft Teams.

Mr. Pradeep K S of 2014-18 batch interacted with our 3rd sem students on 16th of December 2020 through Microsoft Teams.



Mr. Narayan S K of 2010-14 batch interacted with our 7th sem students on 19th of December 2020 through Microsoft Teams



Webinar

The online webinar on 'Stress Management at Workplace' was organized by EEE department on 26-12-2020 Saturday at 11:00 AM to 12:00 PM. The Speaker, Mr. Vinay H S, Senior Business Analyst, Clarivate Analytics, has delivered a thoughtful talk on how to manage stress at workplace.



The online Webinar on “Moti-vation and Sustai-nability towards Entrepreneurship and Startups” was organized by EEE department on 24/12/2020 at 2:00 to 3:00PM. The Speaker, Dr. Madhurani Gowda, Transformational trainer and founder director, Queen's Global Management Solutions, Bengaluru has delivered a thoughtful talk on Motivation and Sustainability towards Entrepreneurship and Startups.



The online webinar on 'A Map of Us (A Map and territory of one's mind)' was organized by EEE department on 23-01-2021 Saturday at 11:00 AM to 12:00 PM. The Speaker, Mr. Santosh Bayaluseeme Raghunath, HR Associate Director, An IT service company, has delivered a thoughtful talk on mental health.



The webinar on 'Enhancement of Inter Personality Skills' was organized by the EEE department on 16/01/2021 at 11.00 AM. The Speaker, Neeraja Kushalappa Trainer/Coach & Consultant in personal Development/Leadership/Communication/Public Speaking/Image Management/Behavior/Transformation/Grooming & Etiquette Coach, delivered a thoughtful talk.





Paper Publication by Staff

Sl. No	Name of the Faculty	Title of the paper	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	Intelligent Control system for sustained backup power	International	International Journal of Advanced Research in science, communication and Technology	Aug-20	Vol-8	Issue-2, ISSN 2581-9429	-	-	-
2.	Dr. Babu N V	Secured wireless message circulation system through voice recognition for education Institutions	International	International Journal of Advanced Research in science and Technology	Aug-20	Vol-8	Issue-1, ISSN 2581-9429	-	-	-
3.	Chandrashekar M J	Automatic Power factor correction smart energy meter	International	International Journal of Advanced Research in science, communication and Technology	Aug-20	Vol-8	Issue 2, ISSN 2581-9429	-	-	-
4.	Chiranth L N	Online monitoring of Distribution Transformer	International	International Journal of Advanced Research in science and Technology	Aug-20	Vol-8	Issue-1, ISSN 2581-9429	-	-	-
5.	Rekha P S	Design & Simulation of synchronous buck converter for electrical applications	International	International Journal of Advanced Research in science, communication and Technology	Aug-20	Vol-8	Issue-1,ISSN 2581-9429	-	-	-
6.	Hemalatha B K	Speed monitoring of AC motor using GSM modem	International	International Research Journal of Engineering and Technology	Aug-20	Vol-7	Issue 8,ISSN-(E)2395-0056	-	-	-
7.	Tarakeshwari V	Controlling of Electrical Apparatus via smart phone	International	International Journal of Advances in Engineering and Management	Aug-20	Vol-2	Issue-4,ISSN 2395-5252	-	-	-
8.	Dr.Mamatha M Gowda	Controlling of stepper motor linear actuator slide mechanism by arduino	International	International Journal of Advanced Research in science, communication and Technology	Aug-20	Vol-8	Issue-3,ISSN 2581-9429	-	-	-
9.	Dr.Mamatha M Gowda	Maglev Based Vertical Axis Wind Turbine	International	International Journal of Advanced Research in science, communication and Technology	Aug-20	Vol-8	Issue-3,ISSN 2581-9429	-	-	-

Paper Publication by Students

Sl. No	Name of the Student	Title of the paper	National/ International	Journal/ conference in which published presented	Date of publication	Vol. pub lication	Issue & ISSN No.
1.	Y Vaishnavi Shetty / Sindhu H I Sushmitha A K / Girish K A Meghana K / Preethi G R Umar Khan	Secured wireless message circulation system through voice recognition for education Institutions	Inter national	International Journal of Advanced Research in science and Technology	August 2020	Vol-8	Issue-1, ISSN 2581-9429
2.	Prapulatha J R / Raj Shree Racha Gachinmani / Saumya Mishra	Intelligent Control system for sustained backup power	Inter national	International Journal of Advanced Research in science, communication and Technology	August 2020	Vol-8	Issue-2, ISSN 2581-9429
3.	Chethan R / Danola B K Tejaswini H / Prashanth Gowda G R	Automatic Power factor correction smart energy meter	Inter national	International Journal of Advanced Research in science, communication and Technology	August 2020	Vol-8	Issue 2, ISSN 2581-9429
4.	Chandan C K / Dikshita Dayanand Revankar / Hemanth R / Lafeez P	Online monitoring of Distribution Transformer	Inter national	International Journal of Advanced Research in science and Technology	August 2020	Vol-8	Issue-1, ISSN 2581-9429
5.	Sanjay S / Joshva Prabhakar Priyadarshi Minal / Varun G M	Design & Simulation of synchronous buck converter for electrical applications	Inter national	International Journal of Advanced Research in science, communication and Technology	August 2020	Vol-8	Issue-1, ISSN 2581-9429
6.	Deepak S S / Chinthan H B Vijay K L / Keerthana R G	Speed monitoring of AC motor using GSM modem	Inter national	International Research Journal of Engineering and Technology	August 2020	Vol-7	Issue 8, ISSN-(E)2395-0056
7.	Gaurav Kumar / Bharat Kumar Saharsh Srivastava / Shubham Ary	Controlling of Electrical Apparatus via smart phone	Inter national	International Journal of Advances in Engineering and Management	August 2020	Vol-2	Issue-4, ISSN 2395-5252
8.	Mahesh V / Devika K Tejaswini B R / Jayaram L	Controlling of stepper motor linear actuator slide mechanism by arduino	Inter national	International Journal of Advanced Research in science, communication and Technology	August 2020	Vol-8	Issue-3, ISSN 2581-9429
9.	Akshay S / Chethan C Harshitha H S / Vasantha H	Maglev Based Vertical Axis Wind Turbine	Inter national	International Journal of Advanced Research in science, communication and Technology	August 2020	Vol-8	Issue-3, ISSN 2581-9429

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