



|| 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 16 2022

## 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 laviere to SJBIT milestone 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., Gustovally Technovations, Viji Power Transformers Pvt. Ltd., MARK-How Consulting, M/s Cleverbit Solutions 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 Insisted on following discipline during offline classes and not to be very casual which would be not be supportive and also would reflect the personality of an individual.
- Advised to take things positively and progress with the knowledge gained in the department.
- Glorified on the strengths of students like ability, choices and not to be under anyones control and get deviated which would affect their self progress.
- Students with new ideas or thoughts with respect to mini project and major projects will be ratified.
- Empasized on students to set standards individually and to accomplish the same.
- Students can approach proctor, subject teacher, class teacher & HOD to express their problems and difficulties so that department will always stand in their support.
- Advised the students to complete the work assigned not for the sake of teachers but to do it in the interest for their own benefit.
- Empasized on AICTE activity points(50) to the students which will be awarded at the end of their graduation.





- Encouraged to add additional skill set by enrolling to NPTEL/SAWAYAM/MOOC courses along with the regular courses offered.
- Insisted on to follow minimum attendance and CIE required as per the VTU norms.
- Informed about the lab facilities available of worth Rs. 7 lakh so that the same can be utilized for the mini and major projects.
- Orientation was concluded with best wishes.

#### **Orientation to Students by Class Teacher**

- Acquainted about College, department, Vision and Missions.
- Highlighted on University rules and mandates.
- Briefed about college, department rules & regulations.
- Highlighted about the new platform for virtual teaching "Microsoft teams".
- Emphasised on optimum usage of microsoft Teams platform for online classes and SJBIT portal submission of quizzes, referring study materials and to interact with subject teachers.
- Insisted on attending all the online 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 with due seriousness.
- Emphasised the Importance of PEO's PO's and PSO's and also subject related CO's.
- Stressed upon Projects, mini-projects & Internships which will be closely monitored.



- Insisted on timely submission of quiz and assignments & other works.
- Highlighted upon the SWAYAM/NPTEL/MOOC courses that would help the students to strengthen their resume.
- 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 Question Papers 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.

#### **Parents Teacher Meeting**

The parents' teacher meeting was held on 18/06/2022 Saturday from 8:30 am to 12:45 pm in Electrical machines lab, department of EEE. Parents response was good and interacted with class teachers, HOD and staff members. Parents discussed IA marks, Attendance and Extra-curricular activities, previous semester results. Parents' feedback was taken as well during their meeting. Parents expressed their views in conducting PTM and appreciated the efforts of everyone involved in this regard. The teaching methodology and evaluation process by individual faculties and the





measures being followed to inculcate discipline in the students were appreciated by the parents. The parents were pleased and expressed their happiness towards hospitality and interacted with everyone in the department.

### Work Force Development Program

Ethnotech workforce development has organised one week workshop for 3<sup>rd</sup> semester students on the topic 'AUTOCAD ELECTRICAL' from 20/12/2021 to 25/12/2021. Session was focussed on Navigation & Selection Techniques in which the trainer addressed Navigation techniques – Zoom, pan, steering wheels, Selection techniques – Box, fence, group, multiple, single, auto, more drafting: Solid, donut and even focused how to implement techniques that make designs manufacturable. Finally, students were assessed through online quizzes and online tests to build confidence in the concepts learnt.



Ethnotech workforce development programme was organised on 'Cloud computing' for one week from 03/01/2022 to 08/01/2022. Course started from basics of computing and taught the delivery of computing services—including servers, storage, databases, networking, software, analytics, and



intelligence - over the Internet ("the cloud") to offer faster innovation and economies of scale. Students learnt the concepts in depth as there was scope for an interactive session. Finally, assessment was conducted through an online quiz to know the understanding level of all the students.



HRD training program was conducted separately for placed and unplaced students of 7<sup>th</sup> semester students from 3<sup>rd</sup> January 2022 to 8<sup>th</sup> January 2022. Placed students were taught personality development which focused on Body Language, Fine Dine manners, email and social Etiquette, Personal Grooming, Time Management, Sentence formation/Sentence Cohesion, Presentation Skills and so on.

### Department Fest Dyuti 22

The Cultural club of the department has organized the department Techno-cultural Fest "DYUTI-22" on 15<sup>th</sup> June 2022 Wednesday. The theme of Dyuti-2022 was KGF-2 movie.



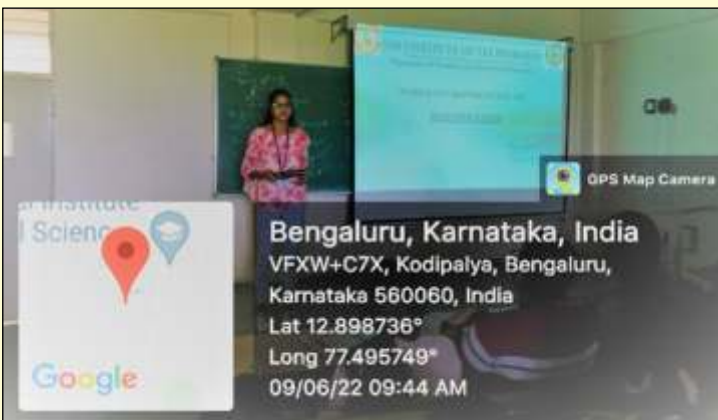


The students of the department have decorated the department on KGF. The fest across all the departments is inaugurated centrally with presence of the Principal, Academic Dean, Heads of all the departments and Chief guests Dr. Shobha Rani, medical officer, Pantharapalya, UPHC, Col. S K Singh, Commanding officer, 39 KAR BN NCC, and Mr. Sathya Gowda H R, GLR constructions. The Principal visited the department and appreciated the artwork done by department students. The KGF movie DOP Mr. Bhuvan Gowda had visited, he was felicitated by Dr. Babu N V, Academic dean & HOD, EEE.

Many events had been organized for students across the various institutions such as Impromptu, El-dorado quiz, Technical debate, Tech quiz, You're my best friend, Canvas painting, Mismatched, Gym-Ir, Arm wrestling, Bucket Selfi, BGMI and Futsal. Over 350+ students have actively participated in the above events and won exciting prizes.

### World Environmental Day

As a part of department social responsibility and guidelines from IQAC the students club of the department has



taken initiative and organized a talk on 'World Environmental Day' on 09/06/2022 Thursday, by Sahana S (1JB19EE032) and R Shilpa (1JB20EE024 ) Students of 6th and 4th semester respectively.

World environment day is celebrated across the world to raise the awareness and describe the importance of mother nature. During the talk the students discussed on why world environmental day is celebrated, theme of the year 'only one earth', why should we take part, human dependance on environment, effects of human activities on environment and ways engineers can improve the planet.

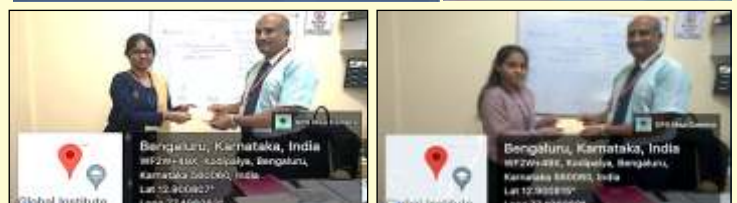
### Azadi Ka Amrit Mahotsav 2022

The Department staff club has organized activities for students on behalf of celebrating “Azadi Ka Amrit Mahotsav” on 12<sup>th</sup> July 2022, Tuesday. The activities organized were as follows,

1. Photo collage
2. Essay Writing

The activities were conducted in online mode, students from IV and VI semester have participated and uploaded their photo collages and Essay writeup to google drive. The winners of the two activities were awarded with cash prize of Rs. 500/- each by Dr. Babu N V, Academic dean and HOD, Dept. of EEE.]

SL. No.	Activity	Student Name	USN	Semester
1	Photo Collage	Supriya S	1JB20 EE035	IV
2	Essay Writing	Akshatha Singh V H	1JB19 EE002	VI





## Yoga Day



21<sup>st</sup> June 2022 was an eventful and magnificent morning . SJBIT along with sister concern institutions organized a mega event to celebrate 8<sup>th</sup> international Yoga day. Over 2500 participants performed yoga at the BGS & SJB sprawling Cricket ground.

The occasion was graced by Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji, President of Sri Adichunchunagiri Shikshana Trust ,Reverend Sri Sri. Prakashnatha Swamiji, Managing Director, BGS and SJB Group of Institutions, Sri Krishnappa M, MLA Vijayanagar constituency, a senior Congress member, Dr. Ramesh MK , honourable Vice- Chancellor, Rajiv Gandhi University of Health Sciences, Yogacharya Sri Karthik Patil ,Founder SJS yoga Institute , Sri Jayaram N , IAS officer, BWSSB chairman, Lalith Kumar Jain , Pune , Ms Roopika , Cine actress and Ms Nishvika Naidu , Cine actress .

With formal inauguration & OM chanting the Yoga session commenced. Yogacharya Karthik guru took us through the yoga session and Sri Sri Dr Prakashnath Swamiji conducted the Pranayama session.

The session concluded with the Aashirvachana and shloka chanting by Sri Sri Sri Dr Nirmalanadanatha Maha Swamiji.



## Guest Lecture



Bengaluru, Karnataka, India  
WF2W+JG8, Uttarahalli Main Rd, Sunkalpalya, Bengaluru,  
Karnataka 560060, India  
Lat 12.900987°  
Long 77.496221°  
23/04/22 01:43 PM



Bengaluru, Karnataka, India  
WF2W+JG8, Uttarahalli Main Rd, Sunkalpalya, Bengaluru,  
Karnataka 560060, India  
Lat 12.901044°  
Long 77.496214°  
23/04/22 01:45 PM

1) A guest lecture was arranged on the topic “Automatic Generation Control (AGC)” for 8<sup>th</sup> semester students on 23/04/2022. The speaker Dr. Radhika Priyadarshini, Power System Engineer- II OSI India, Bengaluru being an expert in the field of power systems shared her knowledge on Power system Operation and Control

2) A guest lecture was arranged on the topic “Overview of India and State power sector in respect of load dispatching” for 6<sup>th</sup> and 8<sup>th</sup> semester students on 28/05/2022. The speaker Mr. Mohan Kumar G, Asst. Engineer, SLDC, KPTCL, Bengaluru being an expert in the field of power systems shared his knowledge on operation and maintenance of Generating Station in power systems at State Load Dispatch Center (SLDC).



Bengaluru, Karnataka, India  
WF2W+49X, Kodipalya, Bengaluru, Karnataka 560060, India  
Lat 12.900894°  
Long 77.496132°  
28/05/22 11:11 AM



Bengaluru, Karnataka, India  
WF2W+49X, Kodipalya, Bengaluru, Karnataka 560060, India  
Lat 12.900965°  
Long 77.496124°  
28/05/22 11:12 AM

3) A guest lecture was arranged on the topic “Skill Development Program on Solar PV Technology” 4<sup>th</sup> semester students on 10/08/2022. The speaker Dr. Madhu B R, Asst. Professor RVCE, Bengaluru being an expert in the field of power systems shared her knowledge of solar PV technology



4) A technical talk was arranged under IEEE PES SJBIT, Student Chapter- SBC02521, on the topic “Stand-alone Solar PV System Design” for 4<sup>th</sup> semester students on 20/08/2022. The speaker Ms. Preeti Kagale, R & D Engineer, Hitachi Energy, Bangalore, being an IEEE PES member and expert in the field of power systems shared her knowledge on SPV applications, Projects, Basics of Solar Photovoltaics, Stand-alone Solar PV System Design and Energy estimation for AC and DC load



### Alumni Interaction

Electric Vehicles is the most sought field in current scenario, even though our student's study about EVs they lack the industrial exposure. Our Beloved alumni Mr. Karthik B Mallipatil (2015 to 2019 batch) working as IoT electrical Engineer with VOGO, Bengaluru volunteered to share his knowledge regarding to EV with our students. In this regard department organized a online sessions and interaction with the speaker on 25<sup>th</sup> June 2022 at 9:30 am for our 6<sup>th</sup> Semester students.

#### He discussed about:

- Expected trends of EV in India
- Currently used battery technologies

- What India lacks about battery manufacturing infrastructure
- Technicality about Battery charging process
- Opportunities of graduates' in the field of EV
- Companies looking forward for EV establishments
- Skill set needed.

### Alumni Interaction

Electric Vehicles is the most sought field in current scenario, even though our student's study about EVs they lack the industrial exposure. Our Beloved alumni Mr. Karthik B Mallipatil (2015 to 2019 batch) working as IoT electrical Engineer with VOGO, Bengaluru volunteered to share his knowledge regarding to EV with our students. In this regard department organized a online sessions and interaction with the speaker on 25<sup>th</sup> June 2022 at 9:30 am for our 6<sup>th</sup> Semester students.

#### He discussed about:

- Expected trends of EV in India
- Currently used battery technologies
- What India lacks about battery manufacturing infrastructure
- Technicality about Battery charging process
- Opportunities of graduates' in the field of EV



Our Beloved alumni Ms. Meghana H S of 2021 passed out batch (Allocated to Mr. Prakyath D) working as Application Development Associate at Accenture, Bengaluru addressed our 8<sup>th</sup> semester students on 14<sup>th</sup> May 2022 at 09:30AM.

#### She discussed briefly about:

- Privilege of being placed through college.
- Advised to utilize the training provided by college as its very useful in industry.
- Courses that are in demand currently.
- Opportunities in startups and pay packages. Scope of work learnt in under established companies
- Opportunities and privilege of working in public domains.
- Opportunities in Indian Navy and Airforce.
- Praised the efforts by department faculties to keep students connected with alma matter of college.

Students are always overwhelmed listening to words from their seniors, in this regard department organized a sessions and interaction on 06<sup>th</sup> August 2022 at 10:45 am for our 4<sup>th</sup> Semester students. Our Beloved alumni Mr. Sandesh V S of 2010 passed out batch working as SAP senior Consultant at Deloitte Consulting USI,





Bengaluru shared his experience as a student and working professional enlightening the students.

He discussed about:

- Interacted students about strength and weakness analysis.
- Role of a good friend in ones progress.
- Difference between a studious and good student.
- Skills to carry as a students.
- How much important discipline is in the industry perspective.
- Efforts of Department was much appreciated.
- Important Role of faculties in students life.
- Cherishing each teachers contribution in his life



## EV Expo

EV Expo and Green energy summit 2022 Bangalore, Expo & Conference EV Expo Bangalore brings to the Electric Vehicle industry the opportunity to showcase, see and understand the latest in an electric vehicle, Components, and Services for convenience and environment-friendly transportation of passengers and goods. The exhibition ensures that the proper national and international players exhibit their technology and products to the proper audience the owners & Operators, the manufacturers & Traders.



## Students Industrial Visit

Karnataka Vidyuth Karkhane Limited(KAVIKA), a fully owned Government of Karnataka Undertaking, is the successor to the Government Electric Factory. KAVIKA is the First ever manufacturer of Electrical Distribution Transformers in the Country. Established way back in 1933 by the erstwhile Sri. Nalvadi Krishnaraja Wodeyar, Maharaja of Mysore. From the past 8 (Eight) Decades, KAVIKA has stood Pioneer in the Manufacture of Electrical Distribution Transformers. KAVIKA has adopted New Technology, Innovation and Manufacturing Process resulting in Business growth.



Industrial visit for the academic year 2020-21 was organized on 6/7/2022. We the students of 6<sup>th</sup> semester students had an opportunity to visit KPTCL 400/220KV Receiving Station, Nelamangala, Bengaluru to fulfill the practical exposure of Substation working.



## Project Exhibition

Project exhibition for the academic year 2021-22 was organized on 22<sup>nd</sup> June 2022. The students of 8<sup>th</sup> semester exhibited projects designed on innovative ideas and it was attracted to the PUC students, 4<sup>th</sup> and 6<sup>th</sup> semester students, neighboring department (ECE/CSE/ISE/Civil/Mech) students and visitors.

The major objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final year focusing on Industry defined problems or user defined problems and provide an opportunity for the students to demonstrate their learning experience.

The outcome of the project exhibition was that students were able to show their project at higher level and the process boosted their confidence. This exhibition also provided a unique platform to the participating students for their innovations and new experiences with the community.



Project prototypes prepared by students focusing on real world problems in the areas of power systems, power electronics and embedded systems and microcontrollers attracted the students. 500+ Students participated in the project exhibition and 18 projects were displayed.

Mr. Madhu mali, Assistant Director/AEE, KPTCL, Kaveri Bhavan and Dr. Supreeth S G, Associate Professor, Dept. of ECE, SJBIT, Dr. Babu N V, HOD Dept. of EEE SJBIT along with Project coordinator and faculties went round the exhibits and interacted with students.



### Community Service

As a part of department social responsibility and guidelines from IQAC the students club of the department has taken initiative and visited the Government High School, Located at Kadasikoppa, kanakapura taluk, Ramanagar Dist. Karnataka -562112 on 06-06-2022 Monday, with an objective of donating the necessary things for school children's education purpose and also to create an awareness among the students to help the peoples in the society who needs an help.



During the visit the department has donated 40 School bags, Pens, Books, Sketch pens and Geometry boxes to school children's. Our students have conducted quiz, fun activities and prizes and certificates were distributed for winners.



### Farewell

The Department staff club and students club had organized farewell function to the outgoing Students of Batch 2018-22, on 09<sup>th</sup> July 2022 Saturday. The function is inaugurated by invocation song by Ms. Harshitha B N, IV Sem student. The Principal addressed the gathering and wished all the students. Few students of the outgoing batch spoke about their journey of 4 years. Later, the Head of the department, Dr. Babu N V, shared his thoughts and wished all the students on behalf of EEE department. The students of VI and IV semesters organised few activities to outgoing students.



### Open day

SJB Institute of Technology organized an Open Day for IInd Year pre-university students by arranging 1. MOCK CET 2. Campus tour to all engineering departments, Center for Automation Technologies (CETRAT) and library showing ICT tools-based teaching, learning practices @ SJBIT, Laboratory and project exhibitions. 3. Interactive session and 4. Career guidance to students.



Student registrations were done at SJB Auditorium and refreshments were provided for all students. The institution provided a transport facility to pick and drop from respective institutions. Below are a few glimpses of the event.





## Details of Technical Paper Publication/Presentation-Student Aca. Year: Even/2021-22

Sl. No	Name of the Student	Title of the paper	Journal/ conference in which published presented	Date of publication	Issue & ISSN No.
1	Chandrashekara G	Ceiling Fan Drops Down on Application of Weight	International Journal of Scientific Research and Engineering Development	07-04-2022	Vol 5 Issue 4, July- Aug 2022 ISSN : 2581-7175
	Jayaparadha K N				
	Kishor K				
	Pramodh N B				
2	Akshatha Singh V H	Emotion Recognition System by Brainwaves	International Journal for Research Trends and Innovation	01-07-2022	Vol 7 Issue 7921 - 825 ISSN: 24563315
	Aditi Katiyar				
	Parichay Dutta Biswas				
3	Bharath R	Design of Buck DC-DC Converter Space Application	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	09-07-2022	10 Issue ISSN: 2321-9653
	Chiranjeevi				
	Dhanush G V				
	Karthik S				
4	Karthikeyan N	Automatic Solar Grass Cutter with Lawn Coverage	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	Vol 9, Issue 31 to 6 E-ISSN 2348-1269
	Harsha R				
	Vedanth H S				
	Swamy P				
5	Yeshwanth P	Automatic power factor correction using microcontroller	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	Vol 9 Issue 3232-238 E-ISSN 2348-1269
	Vinay Kumar V				
	Arun Kumar S				
	Yogesh G L				
6	Harshitha B	PLANT LEAF DISEASE DETECTION USING RASPBERRY PI	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	Vol 9 Issue 3797-801 E-ISSN 2348-1269
	Krupa Krishna B K				
	Mamatha C				
	Yamuna R K				
7	Rohan K N	Multipurpose High Voltage Laboratory Assistance Robot[Prototype Model]	GRADIVA REVIEW JOURNAL	20-07-2022	Vol 8 Issue 71241- 1245 ISSN NO : 0363-8057
	Sahana R				
	H R Vishal				
	Rohith B V				
9	Bhavya S	Water Cooling Systems And Use Of Wiper For Improving The Efficiency Of Photo-Voltaic Module	GRADIVA REVIEW JOURNAL	20-07-2022	Vol 8 Issue 71246- 1245 ISSN NO : 0363-8057
	Pratika A Nayak				
	Shivani G				
	Sonal S U				
10	Dhanush S J	SMART VOTING SYSTEM USING FINGERPRINT	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	Vol 9, Issue 3 796-800 E-ISSN 2348-1269
	Kishore B				
	Sanketh B G				
	Madhu D				
11	Arya Vasisht	BATTERY MANAGEMENT SYSTEM	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	Vol 9, Issue 3765-772 E-ISSN 2348-1269
	Kavya M				
	Nandan Gowda S				
	Raaguh GB				
12	Meena L U	IoT Based Advanced Accident Detection, Alert and Prevention System	International Journal of Scientific Research in Engineering and Management (IJSREM)	20-07-2022	Vol 6 Issue 7 1 – 3 E-ISSN 2348-1269
	Rakshitha M R				
	Sahana J K				
	Sahana R				
13	Hema J P	POWER GENERATION ON HIGHWAY USING HYBRID ENERGY	Gradiva Review Journal	20-07-2022	Vol 8, Issue 8 ISSN : 0363-8057
	Vidyashree				
	Divija K S				
	Subhashini				
14	Manjunath S	Solar based motorized control of 11kv isolator (GOS) with RF module	Gradiva Review Journal	20-07-2022	Vol 8, Issue 8 ISSN : 0363-8057
	Sachin G				
	Shashidhar K				



	Yogesh D				
15	Kavya S	Speaking System for Mute People Using Hand Gestures	International Journal for Research Trends and Innovation	20-07-2022	Vol 7, Issue 7 ISSN: 2456-3315
	Chethan Kumar S N				
	Lata				
	Sandeepa				
16	Yashwanth Gowda M	SMART PARKING SYSTEM USING IOT	International Journal of Research and Analytical Reviews (IJRAR)	21-07-2022	Vol 9, Issue 3920-928 E-ISSN 2348-1269
	Venkatesh B				
	Pavan U				
	Sanjay L				
17	Subhash M V	Analysis of MPPT Techniques in PV System	International Journal of Engineering, Management and Humanities	22-07-2022	Vol 3 Issue 31 ISSN: 0011-9342
	Madan R				
	Sharath G				
18	Prarthana K	Transmission Line multiple Fault Detection and Protection	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS (IJRAR)	23-07-2022	Vol 9 Issue 3863 – 865 E-ISSN 2348-1269
	Prateek Sharma				
	Raj Shekhar Singh				
	Yesoof				
19	Pratheek R L	Inductive Coupled Wireless Charging Stations for Electrical Vehicles	International Journal of Research and Analytical Reviews (IJRAR)	24-07-2022	Vol 9, Issue 3654-658 E-ISSN 2348-1269
	Mohammed Tawfiq				
	Prabhath S N				
	Ravinandan H V				
20	Arshiya Fathima M	IoT Based Air Pollution Monitoring System	International Journal for Modern Trends in Science and Technology (IJMTST)	26-8-2022	Vol 8, Issue 07 ISSN: 2455-3778
	Guruprasad B R				
21	Praveena K A	Emotion Recongization using BCI Approach	National Conference on Recent Innovations in Engineering -2022 (NCRIE-2022)	24-06-2022	ISBN:978-81-929425-0-6
	Ashwathareddy N V				
22	Niharika Agrawal	Power Flow and P ower Flow and Power Quality Enhancement b ower Quality Enhancement by TCSC using fiv CSC using five different Novel Methods	International Journal of Electronics and Electrical Engineering	01-02-2022	Vol 4 issue 139-48 ISSN: 2231-5284

### Details of Technical Paper Publication/Presentation-Staff Aca. Year: Even/2021-22

Sl. No	Name of the Student	Title of the paper	Journal/ conference in which published presented	Date of publication	ISSN No.
1.	Dr. Babu N V	Ceiling Fan Drops Down on Application of Weight	International Journal of Scientific Research and Engineering Development	07-04-2022	ISSN : 2581-7175
2.	Dr. Babu N V	Emotion Recognition System by Brainwaves	International Journal for Research Trends and Innovation	01-07-2022	ISSN: 24563315
3.	Mrs. Prarthana J.V	Design of Buck DC-DC Converter Space Application	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	09-07-2022	ISSN: 2321-9653
4.	Dr. M J Chandrashekar	Automatic Solar Grass Cutter with Lawn Coverage	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	E-ISSN 2348-1269
5.	Mr. Prakayath D	Automatic power factor correction using microcontroller	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	E-ISSN 2348-1269
6.	Mr. Vijay Kumar K	PLANT LEAF DISEASE DETECTION USING RASPBERRY PI	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	E-ISSN 2348-1269
7.	Dr. Sandeep S R	Multipurpose High Voltage Laboratory Assistance Robot[Prototype Model]	GRADIVA REVIEW JOURNAL	20-07-2022	ISSN NO : 0363-8057
8.	Dr. Sandeep S R	Water Cooling Systems And Use Of Wiper For Improving The Efficiency Of Photo-Voltaic Module	GRADIVA REVIEW JOURNAL	20-07-2022	ISSN NO : 0363-8057
9.	Dr. M J Chandrashekar	SMART VOTING SYSTEM USING FINGERPRINT	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	E-ISSN 2348-1269
10.	Dr. Babu N V	BATTERY MANAGEMENT SYSTEM	International Journal of Research and Analytical Reviews (IJRAR)	20-07-2022	E-ISSN 2348-1269
11.	Mrs. Rekha P S	IoT Based Advanced Accident Detection, Alert and Prevention System	International Journal of Scientific Research in Engineering and Management (IJSREM)	20-07-2022	E-ISSN 2348-1269
12.	Dr. J P Sridhar	POWER GENERATION ON HIGHWAY USING	Gradiva Review Journal	20-07-2022	ISSN : 0363-8057



		HYBRID ENERGY			
13	Dr. J P Sridhar	Solar based motorized control of 11kv isolator (GOS) with RF module	Gradiva Review Journal	20-07-2022	ISSN : 0363-8057
14	Mrs. Prarthana J.V	Speaking System for Mute People Using Hand Gestures	International Journal for Research Trends and Innovation	20-07-2022	ISSN: 2456-3315
15	Mr. Chiranth L N	SMART PARKING SYSTEM USING IOT	International Journal of Research and Analytical Reviews (IJRAR)	21-07-2022	E-ISSN 2348-1269
16	Mr. Dwarakanath S K	Analysis of MPPT Techniques in PV System	International Journal of Engineering, Management and Humanities	22-07-2022	ISSN: 0011-9342
17	Mrs. Rekha P S	Transmission Line multiple Fault Detection and Protection	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS (IJRAR)	23-07-2022	E-ISSN 2348-1269
18	Mrs.Tarakeshwari V	Inductive Coupled Wireless Charging Stations for Electrical Vehicles	International Journal of Research and Analytical Reviews (IJRAR)	24-07-2022	E-ISSN 2348-1269
19	Dr. Mamatha Gowda	Power Flow and P ower Flow and Power Quality Enhancement b ower Quality Enhancement by TCSC using fiv CSC using five different Novel Methods	International Journal of Electronics and Electrical Engineering	01-02-2022	ISSN: 2231-5284
20	Mrs. Vimala C S	IoT Based Air Pollution Monitoring System	International Journal for Modern Trends in Science and Technology (IJMTST)	26-8-2022	ISSN: 2455-3778
21	Dr. Sandeep S R	To Understand the Relationship Between Machine Learning and Artificial Intelligence in Large and Diversified Business Organisations	Materials Today: Proceedings	04-07-2022	22147853
22	Mrs. Prarthana J V	Emotion Recongization using BCI Approach	National Conference on Recent Innovations in Engineering -2022 (NCRIE-2022)	24-06-2022	ISBN:978-81-929425-0-6
23	Mr. Mohan B.S	An improved random SVPWM for zero Voltage switching three phase inverter	Materials Today: Proceedings	18-04-2022	22147853
24	Dr. Babu N V	Twitter Sentiment Analysis Using Ensemble based Deep Learning Model towards COVID-19 in India and European Countries.	Pattern Recognition Letters	07-04-2022	0167-8655
25	Dr. M J Chandrashekar	Reliable Power Sharing Technique between Decentralized DGs In Microgrids	4th International Confernces on Advaces In Mechanical Engineering (ICAME 2022)	03-03-2022	-
26	Dr. J P Sridhar, Dr. M J Chandrashekar	Developing a website for a bank's Machine Learning Based Loan Prediction System	International Journal of Mechanical Engineering	03-03-2022	9745823

### List of students placed in 2018-22 batch

Sl. No.	USN	Name of the Students	Placed in	Pay package	Core/IT Based
1	1JB18EE003	ARYA VASISHT ANAND	Netcracker/Stratogent	6.00/3.20	IT
2	1JB18EE005	DHANUSH S J	M/s Zensar Technologies	4.00	IT
3	1JB18EE008	KAVYA.S	Netcracker	6.00	IT
4	1JB18EE009	KISHORE B	6D Technologies/Sonata Software	3.50/3.25	IT
5	1JB18EE011	MAMATHA C	Wipro Limited	3.50	IT
6	1JB18EE012	MEENA L U	Atos	3.10	IT
7	1JB18EE013	MOHAMMED TAWFIQ	DXC Technology/Accenture/wipro	4.00/4.50/3.50	IT
8	1JB18EE014	PAVAN U	Wipro Limited	3.50	IT
9	1JB18EE015	PRABHATH S N	Wipro Limited/Capgemini	3.50/4.00	IT
10	1JB18EE016	PRARTHANA.K	Atos	3.10	IT
11	1JB18EE017	PRATEEK SHARMA	M/s Zensar Technologies	6.5	IT
12	1JB18EE018	PRATHEEK R L	DXC Technology / Wipro Limited	4.00/3.50	IT
13	1JB18EE019	PRATIKA A NAYAK	Inteva/Netcracker	4.25/6.00	IT
14	1JB18EE020	RAJ SHEKHAR SINGH	Accenture/Wipro Limited	6.50/3.50	IT



15	1JB18EE021	RAKSHITHA M R	TCS	3.37	IT
16	1JB18EE022	RAVINANDAN H V	Wipro Limited	3.50	IT
17	1JB18EE024	SAHANA J K	Cappgemini	4.00	IT
18	1JB18EE025	SAHANA R	RNTBCI	4.25	IT
19	1JB18EE026	SAHANA R	Wipro Limited	3.50	IT
20	1JB18EE027	SANKETH B G	TuringMinds	6.28	IT
21	1JB18EE028	SHIVANI G	DXC Technology/Volvo Group India Private Limited	4/7.50	IT
22	1JB18EE029	SONAL SATISH UNDEKAR	DXC Technology / Netcracker	4.00/6.00	IT
23	1JB18EE030	VENKATESH B	Tech Mahindra/6D Technologies/Sonata Software	3.25/3.50/3.25	IT
24	1JB18EE031	VIDYASHREE N	ITC Infotech	4.25	IT
25	1JB18EE033	YASHWANTH GOWDA M	Wipro/TCS/ Tech Mahindra	3.50/3.37/3.25	IT
26	1JB19EE400	BHARATH R	Stratogent	3.20	IT
27	1JB19EE406	H.R.VISHAL	Deltax	4.00	IT
28	1JB18EE407	GURUPRASAD B R	M/s Zensar Technologies	6.50	IT
29	1JB19EE418	NANDAN GOWDA S	Infosys	3.60	IT
30	1JB19EE420	RAAGHU G B	Netcracker	6.00	IT
31	1JB19EE421	ROHITH B V	Wipro Limited / K&S partners	3.50 / 6.20	IT
32	1JB18EE424	SANJAY L	CGI	3.75	IT
33	1JB19EE427	VEDANTH H S	TuringMinds	6.28	IT

### Editorial Board

Board Rank	Name	Designation
<b>Chief Patron</b>	His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandhanatha Mahaswamiji	Chief Pontiff, Sri Adichunchanagiri Maha Samsthana Mutt
<b>Patron</b>	Revered Sri Sri Dr. Prakashnath Swamiji	Managing Director, BGS & SJB group of Institutions
<b>Editorial Advisor</b>	Dr. K.V.Mahendra Prashanth	Principal, SJBIT
<b>Chief Editor</b>	Dr. Babu N V	Prof. & Academic Dean, Head of the Department, EEE, SJBIT
<b>Editor</b>	Vijay Kumar K	Assistant Prof., Dept. of EEE, SJBIT
<b>Student Editors</b>	DIVYASHREE P (1JB20EE010)	2 <sup>nd</sup> year, EEE
	RAVITHEJA B (1JB20EE025)	2 <sup>nd</sup> year, EEE
	SUMAN KUMAR P (1JB20EE033)	2 <sup>nd</sup> year, EEE
	LIKITH K (1JB19EE019)	3 <sup>rd</sup> year, EEE
	ADITI KATIYAR(1JB19EE001)	3 <sup>rd</sup> year, EEE
	MOHAMMED UMMAR(1JB19EE022)	3 <sup>rd</sup> year, EEE
	SAHANA R (1JB18EE026)	4 <sup>th</sup> year, EEE
	SONAL SATISH UNDEKAR (1JB18EE029)	4 <sup>th</sup> year, EEE
	YAMUNA R K (1JB18EE032)	4 <sup>th</sup> year, EEE
<b>Alumni Editors</b>	MANISH S M	2017-2021 Batch
	SANDESH V S	2006-2010 Batch
	AASHISH RANJAN	2009-2013 Batch