

### II Jai Sri Gurudev II 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 - 10, July 2019

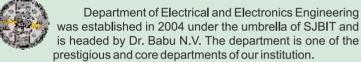


# NEWS LETTER

**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"





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 lavaliere 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:**

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







- Emphasised on optimum usage of Edmodo platform for submission of quizes, referning 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 utilizing 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.

#### **Orientation to Students by HOD**

Orientation included:

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 keeping apart the presumes.
- Motivated the students to take up the academics, HRD training and other skill enhancement program conducted by the institution supported by management and principal in the overall development of students.
- Addressed the issues faced during HRD vocational training program and students were taken into confidence for attending the HRD session regularly and also to take the assessment conducted by HRD with due seriousness.
- Appreciated the students for their regularity in the HRD training after the face to face conversation by HOD with the students in the previous discussion regarding the irregularities to the HRD classes.
- 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 help to make our country progress.
- Students can approach proctor, subject teacher, class teacher & HOD to exprees their problems and difficulties. Department will always stand in their support.
- Told that teacher community always look into students progress so asked students to believe and follow teachers.

- Spoked about different opportunities available for electrical engineers in IT, core and PSU's.
- Stressed upon using the social media in right way and to take only positive things from it.
- Asked the students to be good examples to others, in spite of being a smaller department we have always made sure to leave our mark in all the competitions in the college. This was possible only with the support of students. So HOD sir asked the students to be actively involved in all such events

Orientation was concluded with best wishes to students.

#### **Workshop for Students**

### 1) Topic: "C Programming and Data structures" Organized by: Ethnotech Academic Solutions

The workshop for 3rd semester on C programming held between January  $16^{\text{th}}$  to  $18^{\text{th}}$  January and on Data structures from  $4^{\text{th}}$  and  $5^{\text{th}}$  of February, 2019 in the department. The aim of this workshop was to give every student, the knowledge of C programming language and help to build their career in programming language and make them comfortable in writing any C programs. The program started with the basics of C programming .



#### 2) Topic: "Oracle and SQL Database" Organized by : Ethnotech Academic Solutions

A six days workshop for 6th semester on Oracle and SQL database was conducted in two stages i.e., from 28<sup>th</sup> February – 2nd March, 2019 and from 18<sup>th</sup> March 2019-20<sup>th</sup> March 2019. Students were taught about Relational Database Management System and its features. Students got an introduction on structured Query Language and the operators, functions used in the language. Students were able to focus deeply to the concepts such as creating and altering tables, sub queries, joins and Normalization. Conclusively the students studied the importance of Database management system and its applications with hands on experience.







### Topic: "C++ Programming" Organized by : Ethnotech Academic Solutions

The workshop for 4th semester on C++ programming held between January 28th to February 2nd, 2019 in the department. The aim of this workshop was to give every student, the knowledge of C++ programming language and help to build their career in programming language and make them comfortable in writing any C++ programs. The program started with the basics of programming and covered classes, objects, polymorphism, encapsulation, dynamic and static memory allocation. Students exposed to the knowledge of signal handling and memory management which is one of the important aspect in any programming subject. They also discussed about the inheritance and application of virtual functions and pure virtual functions. Significance of exception handling, file handling mechanism, data structures were also taught. Example programs on each topic were discussed and executed in the systems.





#### **Guest Lectures:**

A Guest lecturer was delievered on the topic "Electrical Design, Facility Management, Lighting Design, use of Relux Software in Lighting Industry" by Prof. Ashif Akhter, Delhi and Mr. Muneer Bangalore on 27/03/2019



#### **Students Club Activities:**

#### 1) Dyuti 2019

Department of EEE has organized department fest Dyuti'19 on 10<sup>th</sup> April 2019. Around 1000 plus Students from various institutions under VTU have participated and making the event grand succes.





#### Women's Day celebration

Women's Day celebration was celebrated in EEE department with various games for staffs.



#### **Farewell Function**

Department of EEE has organized Farewell function by 6th sem & 4<sup>th</sup> sem students for outgoing 8<sup>th</sup> sem students on 24<sup>th</sup> May 2019.







#### **Industrial Visit**

Industrial visit for the academic year 2018-19 was organized on 20<sup>th</sup> March 2019. Students of IV semester students had visited 220/66 KV Somanahalli Receiving station. The essentials components of the 220KV substation, SCADA and various programming done in the control room i.e., PLC control. Students were able cleared many of their practical and technical doubts about substations from from Assistant Egineers available on site.





Industrial visit/trip for the academic year 2018-19 was organized on 27<sup>th</sup> February 2019. Students of 8th Semester visited FUTURE MOBILITY SHOW 2019 Green Connected and Shared Mobility BIEC, Bengaluru.

The event was focussed on technological advancements and innovations to bring in alternate solutions to the conventional fuels that are currently in use in the automobile sector and to help achieve the target of zero emission mobility for India, in future.





#### **Sports**

Department of Sports, SJB Institute of technology organized Annual Sports Meet on 03-04-2019 at SJBIT ground. Dr. Puttaraju, Principal SJBIT. Dr. B Amarnath, Registrar SJBIT and Mr. A. Rajendra Babu, Retired Senior Hand ball Coach, Sports Authority of India are the chief guests for the sports meet 2019.EEE students had participated in various sports events as part of the annual sports meet which will be held on 03-04-2019, and won 100mts 2nd place, 200mts. We stand in 1st place, 4\*100 mts Relay women 1st place & Kho-Kho 1st place and also secured 3rd place in the overall championship.







#### NSS

National service scheme Unit of SJB Institute of Technology organized special one-week NSS Camp at village J Byadarahalli, Channapatna Taluk, Ramanagara District from 25-02-2019 to 03-03-2019. The camp was inaugurated by Dr. Puttaraju, Principal SJBIT, Dr. B R Doreswamy, NSS Officer, SJBIT and other dignitaries of the village.









EEE students actively participated in one week NSS camp various activities were organized, which was started by cleaning the one of the old heritage Kalyani of the village, Tree plantation program and awareness through door to door campaign on cleanliness, spread of diseases, importance of environment, water harvesting and community health services.

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





A workshop for non-teaching staff was conducted from 7/2/2019 to 9/2/2019 to throw light on practical conduction of Electrical labs in the department . 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 all the lab subjects. The Technical staffs could able to execute and expertise in all the experiments of DSP, Control Systems, Electrical machines, CAED and Electronics lab and they were able to understand the basic principles of the Electrical Engineering laboratory.

**JVTM 2019**: EEE Department students had participated and showcased their projects in JVTM 2019 which was held at Adichunchanagiri Mutt.





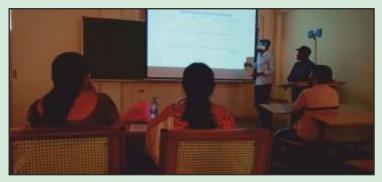
#### **NCATEE**

EEE Department had organized 10<sup>th</sup> National Conference on Advanced Techniques in Electrical & Electronics Engineering on 4<sup>th</sup> May 2019.









**Alumni Meet & Interaction** 

Alumni Meet was held at SJBIT Auditorium





#### **VTU Rank Holder**

Dept. of Electrical and Electronics Engineering is proud of "MEGHANA M" for securing 2<sup>nd</sup> Rank with an aggregate percentage of 85.16% in VTU for the academic year 2017–18.





**Dheeraj Gowda R** bearing a USN 1JB11EE012 2011-15 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

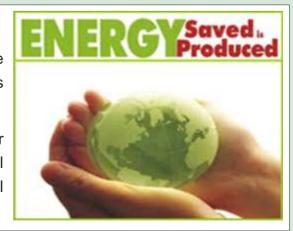


- The necessity of updating upcoming technologies in view of better placements.
- Told how about placements outside the campus.
- To learn French language for those who are planning to study abroad

### **Energy saved is energy produced**

As an individual, we can do our bit by behaving more responsibly, keeping in mind the golden saying "Energy saved is energy produced".

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.





### **Paper Publication by Staff**

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SI. No	Name of author	Title of Paper	Whether National /International	Journal/conference in which published/ presented	Date of Publicati on	Volu me	ISSN number	Impac t Fac- tor	H index	Citati on index
1	Dr. Babu N V	A Review on clustering protocol for enhancing energy efficiency in the wirelss sensor network	International	Journal	July – septe- mber 2018	6	2393- 9028(print) 2348- 2281(online	-	-	-
2	Dr. Babu N V	Android Controlled Robot Using IoT	International	1st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 <sup>th</sup> May 2019	-	2277-2685			
3	Dr. Babu N V	Intelligent Traffic Control System Providing Green path for Emergency Vehicles	International	1st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 <sup>th</sup> May 2019	-	2277-2685			
4	Sandeep S R	ABC Based ANN Supervisory control of standalone Hybrid Renewable Energy generation systems	International	Scimago Journal (Scopus)	15 <sup>th</sup> May 2018	10	1943-023X	-	6	_
5	Sandeep S R	Optimal Sizing in Hybrid Renewable Energy System with the Aid of opposition Based Social Spider Optimization	International	Journal of Electric Engineering & Technology (Springer)	10 May 2019	1	2093-7423	0.512	22	-
6	Dwarakanath S K	Hybrid Power system with the design of efficient wind turbine & solar tracking	National	National Conference on Recent Trends in Science, Engineering and Management	7 <sup>th</sup> & 8 <sup>th</sup> June 2019	-	-	-	-	-
7	Dwarakanath S K	Analysis and Improvement of Power Quality for Continuous Power supply using suitable Migigation technique	National	National Conference on Recent Trends in Science, Engineering and Management	7 <sup>th</sup> & 8 <sup>th</sup> June 2019	-	-	-	-	-
8	M J Chandrashekar	AGC In Deregulated System Using Optimized Controller	National	NCRTEIEC-2019	7th & 8th June 2019	-	-	-	-	-
9	M J Chandrashekar	AGC & AVR Implementation In A Deregulated PS Using Optimized Controller With RES	International	ICATIECE	19th & 20th March 2019	-	-	-	-	-
10	Prarthana J V	Design of system to detect Hazardous gases in vehicles & Alerting the user	National	National Conference	16th& 17th May 2019	-	-	-	-	
11	Vidyashree M S	Wind and Solar Power forecasting using Artificial neural Network	International	1st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 <sup>th</sup> May 2019	-	2277-2685	-	-	-
12	Tarakeshwari V	Long Range Communication of Mechatronics Architecture In SOLS Technology Using IOT	National	NCRTEIEC-2019	7th & 8th June 2019	-	-	-	-	-
13	Dr Mamatha Mahesh Gowda	Solar Wind Hybrid Powered Thermoelectric Cooling System	National	NCRTEIEC-2019	7th & 8th June 2019	-	-	-	-	-
14	Rekha P S	Power Line Monitoring AndMaintanace Robot	National	National Conference	17th May 2019			-	-	-
15	Vijay Kumar K	Integration of small scale Photovoltaic system to Grid and to overcome grid Integration challenges	National	National Conference	16 <sup>th</sup> & 17 <sup>th</sup> May 2019	<u>-</u>	-	-		



# Paper Publication by Students

SI No.	Name of author	Title of Paper	Whether National /International	Journal/conference in which published/ presented	Date of Publication	Volu me	ISSN numb er	Impact Factor	H index	Citati on index
1	Bharatha Y Puttaraju V Raghu M T Yashavantha N Y	Hybrid Power system with the design of efficient wind turbine & solar tracking	National	National Conference on Recent Trends in Science, Engineering and Management	7 <sup>th</sup> & 8 <sup>th</sup> June 2019	i	i	-	-	-
2	Abhishek Gowda V R Lakshmikanth G Ranjitha Y B Veena GR	Analysis and Improvement of Power Quality for Continuous Power supply using suitable Migigation technique	National	National Conference on Recent Trends in Science, Engineering and Management	7 <sup>th</sup> & 8 <sup>th</sup> June 2019	-	ı	-	-	-
3	Navya H Prateeksha M Sindhu R Sushma M	Design of system to detect Hazardousgases in vehicles & Alerting the user	National	National Conference	16 <sup>th</sup> & 17 <sup>th</sup> May 2019	-	ı	-	-	-
4	Deepti R Deepika S K Girish Gowda S	Wind and Solar Power forecasting using Artificial neural Network	International	1st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 <sup>th</sup> May 2019	-	2277- 2685	-	-	-
5	Chaitra G Kavana M S Kavya M Kumari Aparna	Integration of small scale Photovoltaic system to Grid and to overcome grid Integration challenges	National	National Conference	16 <sup>th</sup> & 17 <sup>th</sup> May 2019	-	-	-	-	-
6	Ranjitha S Sunil Kumar K	Long Range Communication Of Mechatronics Architecture In SOLS Technology Using IOT	National	NCRTEIEC-2019	7th & 8th June 2019	-	-	-	-	-
7	Kathik B Mallipatil Nagaiah Reddy H C Kishan B S Kiran G	AGC In Deregulated System Using Optimized Controller	National	NCRTEIEC-2019	7th & 8th June 2019	-	i	-	-	-
8	Ankita Das Chandan B M Chaya Kiran Prasad M S	Power Line Monitoring AndMaintanace Robot	National	National Conference	17th May 2019					
9	Reshma S Kavya C C Rahul G Niveditha M N	Solar Wind Hybrid Powered Thermoelectric Cooling System	National	National Conference on Recent trends in science ,Engg& Management	7th & 8th June 2019					
10	Jashwanth G Keerthi P Rakes M Shashanth S	Android Controlled Robot Using IoT	International	1 <sup>st</sup> International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 <sup>th</sup> May 2019	-	2277- 2685			
11	Kshitija Anil Udgirkar Mousin Taj Sneha Banajawad Varsha Singh	Intelligent Traffic Control System Providing Green path for Emergency Vehicles	International	1st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 <sup>տ</sup> May 2019	-	2277- 2685			

### **Placement**

Name of the Student Company		Name of the Student		Company	N	lame of the Student	Company	
1.	DEEPIKASK	TCS	18.	DEEPIKASK,	TCS	35.	ANKITADAS	Sonata Software
2.	KISHANBS	TCS	19.	KISHANBS	TCS	36.	KAVANA.M.S	Sonata Software
3.	PARINITH B K	TCS	20.	PARINITH B K	TCS	37.	SNEHA BANAJAWAD	Sonata Software
4.	KSHITIJAANILUDGIRKAR	TCS	21.	KSHITIJAANILUDGIRKAR	TCS	38.	RANJITHAS	Sonata Software
5.	DEEPTIR	SLK	22.	DEEPTIR	SLK Software	39.	ANKITADAS	Stratogent
6.	MOUSINTAJ	SLK	23.	MOUSINTAJ	SLK Software	40	CHAITRA.G	Cognizant
7.	NAVYAH	SLK	24.	NAVYAH	SLK Software	41	CHAITRA.G	Capgemini
8.	PRATHIBHA SATISH	SLK	25.	PRATHIBHA SATISH	SLK Software	42	CHAYA KIRAN C R	Capgemini
9.	KUMARIAPARNA	Nobroker.com	26.	KUMARIAPARNA	Nobroker.com	43.	KAVYAM	Capgemini
10.	GAANAVI GOWDAH B	L&T Infotech	27.	MOUSINTAJ	L&T Infotech	44.	MANIGANDAN B	Capgemini
11.	MOUSINTAJ	L&T Infotech	28.	GAANAVIGOWDAHB	L&T Infotech	45.	VARSHASINGH	Capgemini
12.	ANKITHANIRMALARAJU	Infosys	29.	ANKITHANIRMALARAJU	Infosys			1 0
13.	DEEPTIR	Infosys	30.	DEEPTIR	Infosys	46.	MANIGANDAN B	VVDN Technologies
14.	KISHANBS	Infosys	31.	KISHANBS	Infosys	47.	MOUSINTAJ	LTI
15.	KSHITIJAANIL UDGIRKAR	Infosys	32.	PRATHIBHA SATISH	Infosys	48.	KISHANBS	PRDC
16.	PRATHIBHA SATISH	Infosys	33.	KSHITIJAANIL UDGIRKAR	Infosys	49.	BHARATHA.Y	PRDC
17.	SINDHUR	Infosys	34.	SINDHUR	Infosys	50.	MANIGANDAN B	Thermax