



|| 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 - 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"



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 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 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 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 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 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. .



- 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 16th to 18th January and on Data structures from 4th and 5th 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 .



- 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 expres 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.

- 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 28th February – 2nd March, 2019 and from 18th March 2019-20th 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.





3) 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 delivered 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 10th 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 & 4th sem students for outgoing 8th sem students on 24th May 2019.





Industrial Visit

Industrial visit for the academic year 2018-19 was organized on 20th 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 Eengineers available on site.



Industrial visit/trip for the academic year 2018-19 was organized on 27th 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 10th National Conference on Advanced Techniques in Electrical & Electronics Engineering on 4th 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 2nd 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.
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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

Sl. No	Name of author	Title of Paper	Whether National /International	Journal/conference in which published/ presented	Date of Publication	Volume	ISSN number	Impact Factor	H index	Citation index
1	Dr. Babu N V	A Review on clustering protocol for enhancing energy efficiency in the wireless sensor network	International	Journal	July – september 2018	6	2393-9028(print) 2348-2281(online)	-	-	-
2	Dr. Babu N V	Android Controlled Robot Using IoT	International	1 st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 th May 2019	-	2277-2685			
3	Dr. Babu N V	Intelligent Traffic Control System Providing Green path for Emergency Vehicles	International	1 st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 th 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 th 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 th & 8 th June 2019	-	-	-	-	-
7	Dwarakanath S K	Analysis and Improvement of Power Quality for Continuous Power supply using suitable Mitigation technique	National	National Conference on Recent Trends in Science, Engineering and Management	7 th & 8 th June 2019	-	-	-	-	-
8	M J Chandrashekar	AGC In Deregulated System Using Optimized Controller	National	NCRTEIEC-2019	7 th & 8 th June 2019	-	-	-	-	-
9	M J Chandrashekar	AGC & AVR Implementation In A Deregulated PS Using Optimized Controller With RES	International	ICATIECE	19 th & 20 th March 2019	-	-	-	-	-
10	Prarthana J V	Design of system to detect Hazardous gases in vehicles & Alerting the user	National	National Conference	16 th & 17 th May 2019	-	-	-	-	-
11	Vidyashree M S	Wind and Solar Power forecasting using Artificial neural Network	International	1 st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 th May 2019	-	2277-2685	-	-	-
12	Tarakeshwari V	Long Range Communication of Mechatronics Architecture In SOLS Technology Using IOT	National	NCRTEIEC-2019	7 th & 8 th June 2019	-	-	-	-	-
13	Dr Mamatha Mahesh Gowda	Solar Wind Hybrid Powered Thermoelectric Cooling System	National	NCRTEIEC-2019	7 th & 8 th June 2019	-	-	-	-	-
14	Rekha P S	Power Line Monitoring AndMaintenance Robot	National	National Conference	17 th May 2019	-	-	-	-	-
15	Vijay Kumar K	Integration of small scale Photovoltaic system to Grid and to overcome grid Integration challenges	National	National Conference	16 th & 17 th May 2019	-	-	-		



Paper Publication by Students

SI No.	Name of author	Title of Paper	Whether National /International	Journal/conference in which published/ presented	Date of Publication	Volume	ISSN number	Impact Factor	H index	Citation 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 th & 8 th June 2019	-	-	-	-	-
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 th & 8 th June 2019	-	-	-	-	-
3	Navya H Prateeksha M Sindhu R Sushma M	Design of system to detect Hazardousgases in vehicles & Alerting the user	National	National Conference	16 th & 17 th May 2019	-	-	-	-	-
4	Deepti R Deepika S K Girish Gowda S	Wind and Solar Power forecasting using Artificial neural Network	International	1 st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 th 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 th & 17 th May 2019	-	-	-	-	-
6	Ranjitha S Sunil Kumar K	Long Range Communication Of Mechatronics Architecture In SOLS Technology Using IOT	National	NCRTEIEC-2019	7 th & 8 th 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	7 th & 8 th June 2019	-	-	-	-	-
8	Ankita Das Chandan B M Chaya Kiran Prasad M S	Power Line Monitoring AndMaintanace Robot	National	National Conference	17 th May 2019	-	-	-	-	-
9	Reshma S Kavya C C Rahul G Niveditha M N	Solar Wind Hybrid Powered Thermolectric Cooling System	National	National Conference on Recent trends in science ,Egg& Management	7 th & 8 th June 2019	-	-	-	-	-
10	Jashwanth G Keerthi P Rakes M Shashanth S	Android Controlled Robot Using IoT	International	1 st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 th 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	1 st International Conference on Emerging Trends in Engineering, Innovative Science and Management	18 th May 2019	-	2277-2685	-	-	-

Placement

Name of the Student	Company	Name of the Student	Company	Name of the Student	Company
1. DEEPIKASK	TCS	18. DEEPIKASK,	TCS	35. ANKITADAS	Sonata Software
2. KISHAN B S	TCS	19. KISHAN B S	TCS	36. KAVANA.M.S	Sonata Software
3. PARINITH B K	TCS	20. PARINITH B K	TCS	37. SNEHABANAJAWAD	Sonata Software
4. KSHITIJANIL UDGIRKAR	TCS	21. KSHITIJANIL UDGIRKAR	TCS	38. RANJITHA S	Sonata Software
5. DEEPTI R	SLK	22. DEEPTI R	SLK Software	39. ANKITADAS	Stratogent
6. MOUSIN TAJ	SLK	23. MOUSIN TAJ	SLK Software	40. CHAITRA.G	Cognizant
7. NAVYAH	SLK	24. NAVYAH	SLK Software	41. CHAITRA.G	Capgemini
8. PRATHIBHASATISH	SLK	25. PRATHIBHASATISH	SLK Software	42. CHAYAKIRAN C R	Capgemini
9. KUMARIAPARNA	Nobroker.com	26. KUMARIAPARNA	Nobroker.com	43. KAVYAM	Capgemini
10. GAANAVI GOWDAH B	L&T Infotech	27. MOUSIN TAJ	L&T Infotech	44. MANIGANDAN B	Capgemini
11. MOUSIN TAJ	L&T Infotech	28. GAANAVI GOWDAH B	L&T Infotech	45. VARSHA SINGH	Capgemini
12. ANKITHANIRMALARAJU	Infosys	29. ANKITHANIRMALARAJU	Infosys	46. MANIGANDAN B	VVDN Technologies
13. DEEPTI R	Infosys	30. DEEPTI R	Infosys	47. MOUSIN TAJ	LTI
14. KISHAN B S	Infosys	31. KISHAN B S	Infosys	48. KISHAN B S	PRDC
15. KSHITIJANIL UDGIRKAR	Infosys	32. PRATHIBHASATISH	Infosys	49. BHARATHA.Y	PRDC
16. PRATHIBHASATISH	Infosys	33. KSHITIJANIL UDGIRKAR	Infosys	50. MANIGANDAN B	Thermax
17. SINDHU R	Infosys	34. SINDHU R	Infosys		