



|| Jai Sri Gurudev ||  
Sri Adichunchanagiri Shikshana Trust (R)



# SJB Institute of Technology

BGS Health & Education City, Uttarahalli Road, Kengeri, Bengaluru - 560 060

Department of Electronics & Communication Engineering



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## Editorial Board

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## Vision:

Empowering Electronics and Communication engineers to meet the advancements in technological and societal needs.

## Mission:

- M1 : To facilitate students in acquiring proficiency & providing eminence in Technical education.
- M2 : To imbibe value based education that contributes to the human values, ethics and societal relevance .
- M3 : To foster culture of innovation, industry and research in developing intellectual professionals and entrepreneurs.

## About the Department

Department of Electronics and communication Engineering was established in the institution during 2001. The department is AICTE approved and permanently affiliated to VTU and accredited by National Assessment and Accreditation Council (NAAC) with A+ Grade. The Department offers UG & PG courses. Further, it is recognized as "Research Center" by VTU.



Dr. D. N. Chandrappa  
Prof & HOD

The department is strengthened with qualified Doctorates, Professors, Assoc. Professors, Asst. Professors and technical staffs. Apart from the academic events department also oversees the overall development activities. The students are being provided with state-of-the-art lab facilities; training / certification programs, industrial visits, periodic technical talks, workshops, conferences, empowering employability skills.

## Achievements

- Total 40 Ph.D scholars have registered under ECE Department research centre and 20 scholars are awarded.
- Faculties of the Department are members of various professional bodies such as ISTE, IEI, IAENG and IEEE.
- Progressive results and placement records.
- The Department of Electronics and Communication Engineering conducted the "Orientation Program" for students of 4th semester on 05-06-2023 at 9.30 AM in the

department seminar hall. The students were briefed on the credits in CBCS and on the importance of completion of the AICTE activity points which is a non-credit component of the course as per the AICTE guidelines.







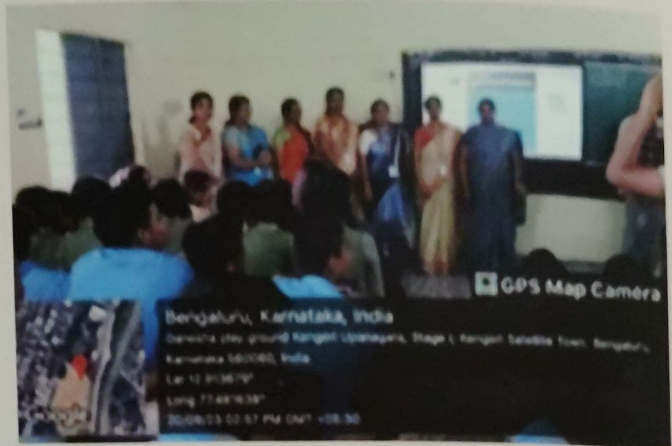
- Conducted 5 days FDP on Industrial 4.0 – Towards Digital Transformation at Bosch rexroth from 11-15 sept. 2023
- **Engineer's day and International day of Democracy was celebrated on 15th September 2023 to pay tribute to the statesman Bharat Ratna sir mokshagundam Visvesvaraya**, with all the enthusiasm and involvement from individuals of the department of ECE. On behalf of the celebration, "A Flash Engineering challenge" was organized at 1:45pm in ECE seminar hall by Dr. Supreeth HSG, Associate Professor and Mrs. Pushpalatha G, Assistant professor. Total 15 teams registered and 11 teams participated in the competition. Winners of the Flash Engineering challenge were awarded with cash prize worth 3000/- for 1st prize, 2000/- for 2nd prize, 1000/- for 3rd prize.



#### Community service:

ECE Department planned and visited Govt. high school, near Kengeri Post Office, Bangalore on 20th Sep 2023. The strength of 10th std students who were around 90 and we interacted to them. Some of the students in our last year took part, addressed their own experiences, and were given information about the courses available after SSLC, how to prepare for state examinations, PUC course combinations, entrance exams, and

how ranks are calculated. We distributed stationery items like Pens, Compasses, protectors, and scales.



- Fresher's day was organized for the first year students of 2023-24 batch on 21/9/23 at BGS & SJB Auditorium.



- Graduation day celebration was organized for the students of Batch 2019-23 on 13/10/23 at BGS & SJB Auditorium.



- Orientation program for Staff was held in the Seminar Hall, Dept. of ECE on 15/11/2023. Matters related to academics, class conduction and monitoring. Faculty should be on time to classes, and also insist the students to be on time. Subject allotment for Even sem 2022-23 were discussed.





HAPPY  
MEN'S  
DAY

FROM:  
ECE LADIES  
STAFF

- Organized a study visit to "**Krishi Mela- 2023 Exhibition**" in University of Agricultural Sciences, **GKVK campus at Hebbala** on 18/11/2023 Bengaluru for 3rd semester students. The University of Agricultural Sciences, Bangalore had organized "Krishi Mela - 2023" at Hebbala during 17th to 20th November 2023. The fair was to create awareness among farmers about the latest agriculture-related technological developments.
- From the Staff Club and Cultural Club of ECE department, a men's day was celebrated on 20/11/ 2023. On this



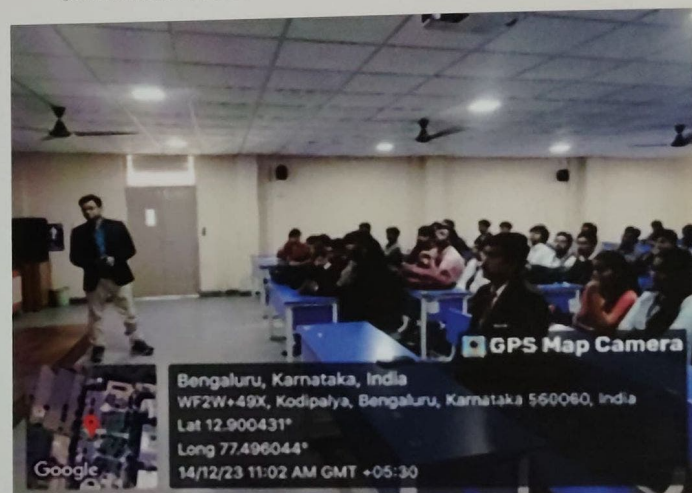




- Conducted Orientation program to 5th sem students at ECE Seminar hall on 27/11/23.



- Organized a seminar entitled "HOW to crack GATE Exam in first attempt and career Opportunities through GATE Exam" by IMS Gate Academy, A Division of IMS Learning Resources Pvt Ltd., on 14/12/23 in ECE Seminar hall, for 5th sem students.



- Organized an expert talk on "Beyond 3nm: Destiny of semiconductor Design trends and opportunities" by Mr. Manjunath V, Sr. R&D Engineer, Synopsys, Bangalore on 09/12/2023 at 10.45am. at ECE Seminar hall for 5th semester students.



- Organised the industry visit to West Coast Paper Mills Limited (WCPM) and Karnataka Power Corporation Limited at Dandelli for 7th semesters students on 14/12/2023 to provide students an insight into the internal working of companies in the corporate world.



### Placement

Company Name	No's
Westline shipping	05
Planet spark	01
Skolar	02

### Paper Publications

#### Darshan B D

Classification of Emotion using Eeg Signals: an FPGA Based Implementation

July 2023

International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878 (Online), Volume-12 Issue-7

#### Dr. Babu N V, Dr. Somashekar K

Accurate Direction of Arrival Estimation for 5G MIMO Sparse Channel using Advanced Multi kernel based NNSBL

November 2023

IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023), 979-8-3503-1502-8/23/\$31.00 ©2023