

### About SJB

SJB Institute of Technology (SJBIT) was established in the year 2001 by Sri Adichunchanagiri Shikshana Trust® (SAST®) under the guidance of His Holiness Jagadguru Padma Bhushana Dr. Sri Sri Sri Balagangadharanatha Maha Swamiji. Presently the trust is being administered by Chief Pontiff, His Holiness Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji. SJBIT is committed to personal, social, and intellectual growth emphasizing a comprehensive educational programme leading to high academic standards with the leadership of Revered Sri Sri Dr. Prakashnath Swamiji, Managing Director, BGS Group of Institutions. SJBIT is offered autonomous status affiliated under Visvesvaraya Technological University (VTU) from 2023-24. It is approved by AICTE, New Delhi and certified by ISO 9001-2015. Classrooms are equipped with amenities like LCDs and Apple iPads, supporting transformative digital teaching and activity-based learning. The innovative Student Information System (SIMS) facilitates easy access to study materials, and the proctor system ensures personalized counseling. The institution has garnered 2 crores in research project funding, and staff are encouraged to enroll in MOOCs for continuous learning.



**Dr. K. V. Mahendra Prashanth**  
Principal, SJBIT

### Institution Vision

To become a recognized technical education center with a global perspective.

### Institution Mission

To provide learning opportunities that foster students' ethical values, intelligent development in science technology and social responsibility so that they become sensible and contributing members of the society.

The inception of the Department of Computer Science and Engineering at our university dates back to 2001, initially admitting 60 students, later expanding to 180 in 2011. Offering B.E. in CSE programs and Ph.D. opportunities, our department is characterized by a dynamic learning environment and a highly qualified faculty team. The Department is accredited A+ by NAAC and NBA.



**Dr. Krishna A N Professor**  
and Head, CSE

Comprising 2 seasoned professors 2 adjunct professors, 6 associate professors, 24 assistant professors, and 13 technical staff, our committed team is devoted to enhancing educational standards. Eleven members hold doctoral degrees, and an additional 10 are actively pursuing Ph.D. studies, underscoring our dedication to a rich educational experience. Recognized as a "Research Center" by VTU, our department boasts a remarkable record, including 6 gold medals and 21 ranks achieved to date.

### Department Vision

To become a Centre of excellence producing "Creators of Innovative Technology" who can contribute positively to the ever changing industrial demands and societal needs.

### Department Mission

To encourage participation of faculty and students in research activities for enhancing their subject knowledge and acquire information regarding current trends.

To provide exposure to students on latest tools and technologies in area of Computer Science and Engineering

Preparation of our graduates for leadership in profession and in higher education by providing excellent teaching learning environment enabling them to serve the society

### Department Highlights

The department is home to 180 students who benefit from the technical excellence and well-equipped facilities provided by our esteemed Institution. These students are mentored by a committed team of 32 faculty members, including 10 doctorate holders and 11 others currently pursuing their Ph.D. The academic staff comprises 2 professors, 7 associate professors, 20 assistant professors, along with 1 adjunct professor and 1 adjunct faculty member. Supporting the department's smooth operations is a dedicated group of 13 non-teaching staff members who handle administrative and technical responsibilities.

In addition to academic instruction and research, the department plays a key role in coordinating the IEEE Student Chapter, encouraging students to participate in technical events, workshops, and collaborative activities. This involvement not only enhances students' exposure to real-world technology trends but also nurtures their leadership, innovation, and professional development.

## Achievements of Students

- Sanjith Muralidharan and Lokesh B, 5th semester CSE secured second and third places in the coding competition "CodeZone " held on 20/12/2023 organized by Department of Computer Science and Engineering for 2nd and 3rd year students of SJBIT.



- Preetham B, Keerthana M S and Suchith Kumar G M, Department of CSE, have secured 1st, 2nd and 3rd prize, respectively, in the event entitled "IDEATHON", an intra college level competition held in remembrance of Bharath Ratna, Sri M Visvesvaraya's Birth Anniversary. Veekshitha B N secured first place in Taekwondo competition held in Tumkur as part of Dasara Kreedha Koota on 05th and 6th October, 2023.

## Department Activities

**Coding Competition "Codezone"** With the gracious blessings of Pujya Swamiji and the unwavering support of our esteemed Principal, we are delighted to share the successful inauguration of the Codezone coding competition in collaboration with IEEE- Bengaluru section. The event, held on December 20, 2023, at 9:00 am in the Department of Computer Science and Engineering, witnessed active participation from around 100 students of the 3rd and 5th semesters across various departments.



## Ideathon Competition

Department of Computer Science and Engineering conducted an IDEATHON competition on September 15, 2023 for all students of SJBIT in remembrance of Bharath Ratna, Sir M Visvesvaraya's Birth Anniversary. This event enhanced students' thinking ability and their programming skills. The winners are awarded with prizes.



## Empowering Through Education: Workshop Series

1.A workshop spanning three days, titled "Ethical Hacking and Cyber Security (EHCS-2023)," took place from August 10th to August 12th, 2023.

2.A three-day Skill Development Program (SDP) focusing on "Data Visualization using Python" was conducted from October 18 to October 20, 2023. The program, attended by 46 participants including technical staff, and students, faculties, provided insightful sessions by Ms. Prerana H, Senior Data Analyst at Kipi.bi, Bengaluru, and Dr. Prakruthi M. K, Associate Professor in the Department of CSE at SJBIT, Bengaluru.

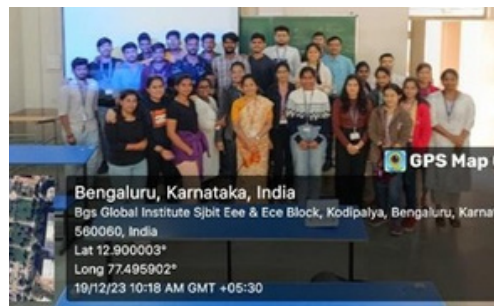
3.A workshop titled "Aptitude and Technical Training for Industry Requirements" was conducted for 7th-semester students from November 16 to November 18, 2023. The workshop, led by Mr. Pavan B N, an alumnus and Lead Trainer, saw active participation from 77 students.

4.A "Web3 Bootcamp" workshop spanning two days was held on December 8th and 9th, 2023. The workshop attracted 150 participants from the 3rd, 5th, and 7th semesters.



## Enlightening Minds: Guest Lecture Series

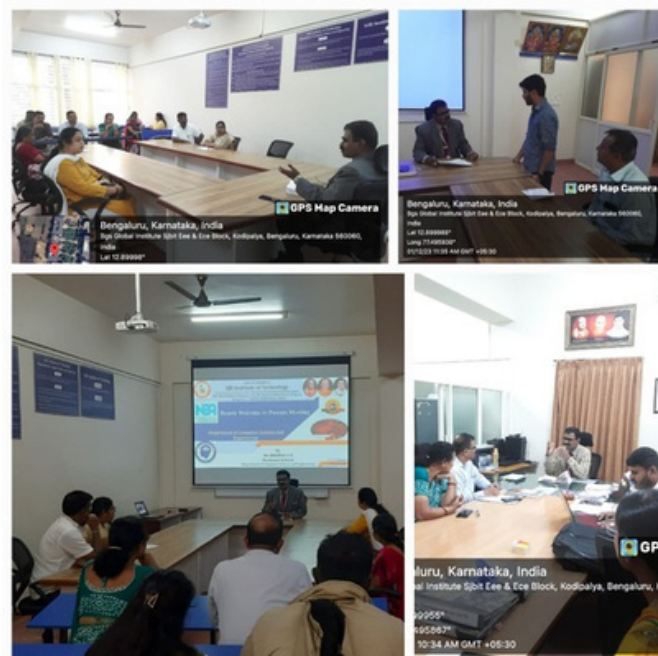
- The Department conducted a Guest Lecture on "Agile Scrum Methodology" on December 31, 2023. Dr. Umashankar M L, Technical Lead, Wipro Ltd, Bengaluru delivered the session for around 200 students from 5th Semester.
- Expert talk on Skill Development and Career Advancement for Successful placements and Awareness on Study Abroad Opportunities Report was conducted by the department on December 19, 2023 for 7th Semester Students. The session was led by Mr. Prasad Shetty P, Area Manager, Karnataka Adventum Student Living Private Limited, Bangalore.



- Skill Development and Career Advancement for Successful placements and Higher Studies Report was conducted by the department for the 7th semester students on December 21, 2023. The speaker for the session was Somashekhar P, Business Development Manager, SIEC, Bangalore.



**Orientation Program** The Department of Computer Science and Engineering organized an orientation program for 3rd Semester students on December 1, 2023, providing invaluable insights into the field. Attendees gained a comprehensive understanding of the department's curriculum, research opportunities, and future career prospects. The event successfully fostered a sense of community among students and faculty setting a positive tone for the academic year.



**Industrial Visit** Industry visit to XCEL Corp was organized by the Computer Science and Engineering department in association with HRD, SJBIT for 5th semester students on 23/12/2023. Students got exposure to Artificial Intelligence, Cloud Computing, and Blockchain technology to create innovative enterprise solution, ideas for Entrepreneurship and development, skill sets required for industry. Prasanta Kumar Mahanta Director, Strategic Partnership has addressed all the students during the industry visit.



The Department of Computer Science and Engineering conducted the Parents Teachers Meeting (PTM) for students of the 3rd, 5th, and 7th semesters on December 01, 2023. Feedback was taken from parents regarding academic progress, infrastructure, and overall student development. Proctors discussed each student's academic performance, attendance status, internal assessment (IA) marks, involvement in HRD activities, and participation in co-curricular events. The Head of the Department (HOD) also interacted with all the parents, addressing their queries and providing insights into departmental initiatives. The meeting served as a valuable platform for strengthening the collaboration between faculty and parents to support student growth. Parents appreciated the transparency and personal attention given to their wards. Suggestions and concerns raised during the session were duly noted for further improvement. Overall, the PTM fostered constructive dialogue and mutual understanding aimed at enhancing the educational experience of the students.

### Lives Together: Our Community Service Changing Initiatives

As part of community service, the Department of Computer Science & Engineering organized Awareness Program on usage of Internet and Its applications for Government Higher Primary School Students, Yalachagere, Kasaba Hobli, Nelamangala (T), Bengaluru Rural Dist., under department staff club on August 16, 2023. The speakers were Dr. Ajay B N, Mr. Lochan Gowda M, Mr. Arun Kumar D R, Ms. D Chaira, Mrs. Vijayalakshmi B and Mr. Nithin Gowda G J of CSE department. Total of 40 students have participated in the computer training program and also donated writing supplies to the primary students.



### Career Insights: Placement Columns

This placement season, SJBIT has once again achieved remarkable success, with students performing exceptionally well. The Department of Computer Science and Engineering (CSE) secured a total of 120 offer letters, a testament to the collaborative efforts between our department, the placement cell, and the support received from our principal and management. As we anticipate another promising season of placements next year, our commitment to fostering student success remains unwavering. A wide range of companies, including top-tier MNCs and emerging startups, participated in the campus recruitment drive, offering roles in software development, data analytics, and other cutting-edge domains. Pre-placement training sessions, aptitude workshops, and mock interviews organized by the department significantly contributed to students' preparedness and confidence. Several students also received multiple offers, reflecting their strong technical foundation and communication skills. Alumni played a key role in mentoring the current batch, sharing industry insights and guiding them through the interview process.

## Staff Publications

- 1.Dr. Krishna A N, "Segmentation and yield count of arecanut bunch using deep learning techniques", International Journal of Applied Engineering Research.
- 2.Dr. Naveena C, "An Optimized Deep Learning Based Malicious Nodes Detection in Intelligent Sensor- Based Systems Using Blockchain", Vol. 14 and Issue 5.
- 3.Dr. Naveena C, "A Hybrid System for Brain Tumor Classification", Korean Journal of Physiology and Pharmacology, Vol. 27, Issue 3.
- 4.Dr. Shantha Kumar H C, "ANovel Approach on Design of Multimodal Information Evaluation System Based on Unsupervised Learning", IEEE International Conference on Multidisciplinary Research in Technology & Management, Vol-2.
- 5.Dr. Prasad A Y, "Edge Artificial Intelligence-Based Facial Pain Recognition During Myocardial Infarction", Journal of Automation, Mobile Robotics and Intelligent Systems, Vol 16.
- 6.Mrs. Kala Chandrashekhar, "A Review on Secure Health Care Management using Blockchain Technology", Hinweis Second International Conference on Networking, Communication and Computing Technology, Vol 2, 250-258.
- 7.Mrs. Kavya G, "The Prediction of Attacks and Challenges in Cyber Security Using Machine Learning Techniques", International Conference on Cognitive and Intelligent Computing.

### Editorial Board

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