



SJB Institute of Technology

(A Constituent Institution of BGS & SJB Group of Institution & Hospitals) No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru - 560 060 Approved by AICTE - New Delhi. Affiliated to Visvesvaraya Technological University, Belagavi, 2(f) and 12(B) recognized by UGC, New Delhi. Accredited by NAAC, Accredited by NBA. Certified by ISO 9001-2015

Department of Computer Science & Engineering

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About SJBIT

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 an autonomous status under Visvesvaraya Technological University (VTU), Belagavi, Karnataka from the academic year 2023-24
- Approved by All India Council for Technical Education (AICTE), New Delhi
- Accredited by National Assessment and Accreditation Council (NAAC), New Delhi with 'A+' Grade
- Accredited by National Board of Accreditation (NBA), New Delhi
- Recognized by University Grants Commission (UGC), New Delhi with 2(f) and 12(B) certificates
- Certified by International Organization for Standardization (ISO 9001-2015)

Classrooms feature top-tier digital facilities, including LCDs and Apple iPads, with 700 Mbps Internet and Wi-Fi access. Establishing ties with industry giants like Rexroth Bosch, National Instruments, Intel, and Toyota Kirloskar, the institute encourages innovation through state-of-the-art Centers of Excellence, providing opportunities for in-house internships, advanced technology training, and research activities. Dedicated online PORTAL- Student Information System (SIMS- First of its kind) is designed for accessing study materials, Notes, Pre-recorded videos, assignment submissions, attendance track records and many more features. The Institution has received around 2 crores from various funding agencies towards research projects. Meritorious students are being encouraged in awarding them with gold medals by the management.



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 society.

About the Department

The Department of Computer Science and Engineering at our university has a rich history, having been established in 2001 with an initial intake of 60 students, which was later expanded to 180 in 2011. This department offers a distinct and dynamic learning experience, supported by a team of highly qualified faculty members. We provide programs in B.E. in CSE as well as Ph.D. opportunities. Within our department, we take pride in our devoted group comprising 2 seasoned professors, 2 adjunct professors, 6 associate professors, 24 assistant professors, and 13 technical staff. This team is unwaveringly dedicated to elevating the standard of education for both students and faculty members alike. Among these members, 11 hold doctoral degrees, and an additional 10 are actively pursuing their Ph.D. This collective commitment underscores our ongoing efforts to provide an enriched educational experience.

We take great pride in our state-of-the-art laboratories, equipped with the latest hardware and software tools, along with a comprehensive departmental library. This environment provides students with a unique opportunity to delve into exciting fields of study under the guidance of exceptional educators. It's worth noting that our department has earned recognition as a "Research Center" by VTU, and our track record includes the achievement of 6 gold medals and 21 ranks 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



Dr. Krishna A N
Professor & Head Dept. of CSE

Department Highlights

- The department hosts 180 students who have the privilege of accessing the technical excellence and facilities offered by our esteemed Institution.
- The department is composed of a team of 34 members, featuring 11 individuals holding doctorates, while 10 are actively pursuing their Ph.D. Among the team, there are 2 professors, 6 associate professors, 24 assistant professors, and 2 adjunct faculties, supported by a dedicated group of 13 non-teaching staff members.
- The department plays a pivotal role in coordinating the IEEE student chapter.

Achievements of Students

1. Harshith M Bilagi has secured 1st place in quiz competition "web wiz quiz - 23" held on 5th July, 2023 organized by IEEE student chapter, SJBIT in the Department of CSE.
2. Abhinav M P secured 2nd place in the quiz competition "web wiz quiz - 23" held on 5th July, 2023 organized by IEEE student chapter, SJBIT in the Department of CSE.
3. Keerthana M S has secured second place in 2023 Regional Finals of tcs TechBytes, an inter-college quiz, organized by Tata Consultancy Services and Board for IT Education Standards, Government of Karnataka.
4. Avishkar A V secured second place in Netball - Men inter-collegiate, bengaluru division level tournament held at RVCE, Bengaluru on 23rd March, 2023.
5. Veekshitha B N has bagged first place in many Dance competitions held at Vemana Institute of Technology, SIT Tumkur, BMS College, DSBA and RV College throughout the year.



Department Activities

Empowering Through Education: Workshop Series

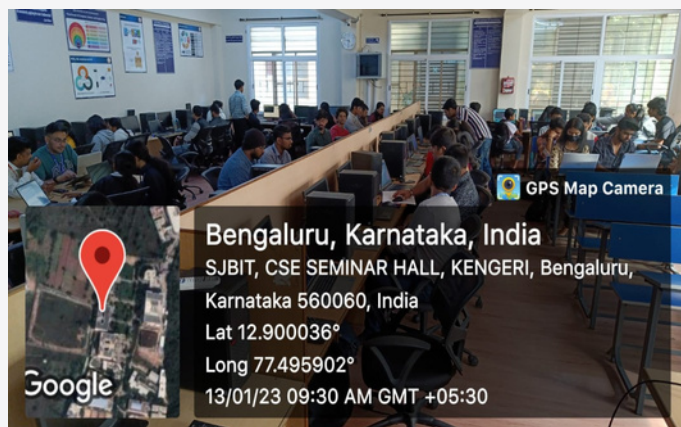
1. In a week-long Faculty/Skill Development Program on Cyber Security and Ethical Hacking, from May 29, 2023, to June 2, 2023, we had the privilege of hosting Mr. Chaitanya Y, Security Manager at Chaitanya Cyber Strix Technologies Pvt Ltd, Hyderabad, and Mr. Satish Kumar Dwibhashi, a Cyber Security Evangelist, Trainer, Coach, and Mentor, Cisco. A total of 56 staff and 6th semester students actively participated in this enlightening program.



2. The department organized a three-day workshop aimed at non-teaching technical staff on "Web Programming & its Applications" from May 11, 2023, to May 13, 2023. This workshop had multiple speakers, including Mr. Shankar R, Dr. Veena H N, Ms. Savitri Kulkarni, Mrs. Kavya G, Mrs. Vijayalakshmi B, and Mr. Shankar R, who together provided valuable insights. The workshop was well-received by 28 participants.



3. A two-day workshop on Cyber Security for students was held on January 12, 2023, and January 13, 2023. The event featured prominent speakers, including Dr. Pavithra M S, Assistant Professor at Jain University, Bengaluru, and cybersecurity researchers Ashif Iqbal and Indranil Roy. The workshop drew an audience of 53 students eager to enhance their cybersecurity knowledge.



Enlightening Minds: Guest Lecture Series

1. The Department conducted a Guest Lecture on "UST Campus Recruitment" on June 26, 2023. Mr. Shoab Hussain, from the Campus Hiring Team in Bengaluru, delivered a session on "UST Campus Recruitment," for 6th semester students.



2. Mr. Bhaktavatsala S, an Adjunct Faculty from the Department of CSE at SJB Institute of Technology, Bengaluru, spoke on "Industry Insights and PDL" on May 18, 2023, attracting an audience of 155, from 6th semester.



3. Department organized a guest lecture on "Design Thinking, Critical Thinking, and Innovation Design" on March 11, 2023. Prof. Balaji V from Sri Sairam College of Engineering, Anekal, Bengaluru, shared insights within the realm of Innovation and Design Thinking. This session drew an audience of 240.

4. Mr. Vishwas Narayan, a Community Evangelist at Devtron Inc. in Bengaluru, enlightened attendees on "Aging the Containers - Dockers" in the field of Coding on March 1, 2023, with 170 participants.



5. The department organized a guest lecture on February 3, 2023, featuring Mr. Santosh Nandakumar, a Senior Security Manager at Shell Pvt Ltd in Bangalore and an alumnus from the batch of 2008. He shared valuable insights on 'How to Get a Job in Cyber Security and Careers in Cyber Security,' with 3rd semester students.



6. The department organized a guest lecture on "Entrepreneurship Skill, Attitude, and Behavior Development" for 199 students on January 24, 2023. Spiritual ISKCON guru and member of Spiritual Advisors Bhagavata Assembly (SABHA), Sri Bhakti Vasudeva Swami, addressed the 7th semester students



Department Activity: "Backslash <\>"



Under Pujya Swamiji's blessings and with support from our Principal, we proudly hosted the "Backslash <\>" coding competition in partnership with IEEE-Bengaluru section at the Department of Computer Science and Engineering on March 9, 2023. Around 135 students from various departments actively participated, enhancing their problem-solving and programming skills, with accolades for the competition winners. Mohan Gowda T, Varun H S, and Deeksha J have secured first, second and third place in the competition.

Parents Meeting

The parent council meeting was held on February 15, 2023 in our department and provided a valuable platform for open communication, fostering collaboration, and ensuring the holistic development of our students.



Changing Lives Together: Our Community Service Initiatives

Community service holds a special place in our department, and on September 30, 2022, we took another step towards making a positive impact. Our dedicated team from the Department of Computer Science & Engineering organized an Awareness Program on the usage of the Internet and its applications for Government Higher Primary School Students in Uyyamballi Village and Hobli, Kanakapura Taluk, Ramanagara District. This program aimed to empower the young minds with essential knowledge.



Our esteemed speakers, including Dr. Naveena C, Dr. Ajay B N, Mr. Chandan K N, Mr. Lochan Gowda M, Mr. Arun Kumar D R, and Mr. Lokesh U C from the CSE department, shared their expertise and insights. The event focused on imparting knowledge about the basics of computer hardware and the numerous advantages of internet usage, laying a strong foundation for advanced learning.

In the spirit of giving back, we also distributed pens, pencils, and erasers to the primary students, fostering a sense of support and care. In total, 85 enthusiastic students participated in this computer training program.

Career Insights: Placement Columns

This placement season, ABC has once again achieved remarkable success, with students performing exceptionally well. The Department of Computer Science and Engineering (CSE) secured a total of 232 offer letters, a testament to the collaborative efforts between our department, the placement cell, and the support received from our principal and management. With over 40 multinational companies visiting our campus, the Department of CSE has successfully placed almost all its students. As we anticipate another promising season of placements next year, our commitment to fostering student success remains unwavering.

Staff Publications

1. Mrs. Basamma Umesh Patil "Data Integration-Based Human Activity Recognition Using Deep Learning Models", Karbala, Volume 9, Issue 1.
2. Mrs. Kala Chandrashekar "Crypto Transactions across the World Using Ethereum Blockchain", International Journal of All Research Education and Scientific Methods (IJARESM), Volume 11, Issue 5.
3. Dr. Prasad A Y and Kavita K Patil "Improved Congestion Control in Wireless Sensor Networks Using Meta-Heuristic Approach", Advances in Computational Intelligence and Communication Technology. This publication is part of the "Lecture Notes in Networks and Systems" journal series.
4. Mrs. Rajatha "e-health: An Efficient Mobile Healthcare System for COVID-19", Gradiva Review journal, Volume 9, Issue 3, ISSN 0363-8057.
5. Mrs. Rajatha "Cognitive Behavioral Therapy using Convolutional Neural Network and Computer Vision", International Journal of Research Publication and Reviews, Volume 4, Issue 5.
6. Mr. Arun Kumar D R, Dr. Krishna A N, and B G Prasad "Image Based Person Re-Identification Using GAN, DWT, and MLTP with ANN Classifier", International Journal of Intelligent Engineering and Systems", Volume 16, Issue 5,
7. Dr. Naveena C, Samarth Joseph, "Face Detection and Recognition in Crowded Environment", Gradiva Review Journal, Volume 9, Issue 5.
- 8 Mrs. Bindiya, and E. Naresh, "Reliable Target Tracking Model Employing Wireless Sensor Networks" SN Computer Science, Volume 15, Issue 6.
9. Mrs. Rajatha "A Review of the COVID-19 Pandemic Impact on Higher Education Globally", a book chapter in Global Higher Education and the COVID-19 Pandemic, affiliated with TAYLOR AND FRANCIS.
10. Mrs. Rajatha "A Study on Teaching-Learning Practices in the Era of COVID-19 Pandemic", a book chapter "Global Higher Education and the COVID-19 Pandemic." affiliated with TAYLOR AND FRANCIS.
11. Mrs. Rajatha K "Digital Tools to Promote Formative Assessment in the Classroom", a book chapter "EdTech Economy and the Transformation of Education," published by IGI Global.
12. Mrs. Laxmi Shabadi and M R Desai "Measuring Quality of Water in Real-Time Environment by Using Sensors", Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE).
13. Chaitra Y L, Dr. Roopa M J, and Dr. Gopalkrishna M T "Text Detection and Recognition from the Scene Image using RCNN and EasyOCR", Seventh International Conference on Information Technology for Intelligent Systems.

Editorial Board

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