

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 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 smart Interactive panels, 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.



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 Department of Computer Science and Engineering's journey began in 2001 with 60 students, accelerated to 180 in 2011, and soared to 240 in 2024, demonstrating consistent and impressive growth. The Department of Computer Science and Engineering offers a truly transformative learning journey, powered by a remarkable team of educators.



Dr. Krishna A N Professor
and Head, CSE

We provide robust B.E. in CSE and Ph.D. programs, driven by 3 professors, 1 adjunct professor, 7 associate professors, 22 assistant professors, and 12 dedicated technical staff. With 11 doctorates and 12 pursuing their Ph.Ds, our faculty are at the forefront of their fields. Our students benefit from access to cutting-edge laboratories, a comprehensive departmental library, and the opportunity to learn in a VTU-recognized Research Center. Our commitment to excellence is reflected in our impressive record of 6 gold medals and 21 ranks.

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 240 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.

Department Activities

Empowering Through Education: Workshop Series

- A one-week online Faculty/Skill Development Program on "Cutting-Edge Generative AI: Techniques and Applications in RAG and Agents" was conducted from August 26 to August 30, 2024. Led by Hemanth Kumar A, Data Scientist at Brillio and Adjunct Professor at VTU, the program offered 69 participants deep insights into advanced AI techniques, enhancing their understanding of RAG and AI agents.
- The three-day workshop, "Cyber Arsenal Unlocked: Master Kali Linux and Pen Testing Tools," was held from November 7 to 9, 2024, providing 183 participants with hands-on experience in cybersecurity and penetration testing. The sessions were led by expert alumni speakers, including Mr. Santhosh Nandakumar, Mr. Manu, Mr. Vikas, Mr. Sanjay Prakash, and Ms. Divya, representing organizations such as Shell, ZeroFox, KPMG, Claurus24, and TerraEagle.



Orientation Program

An orientation program for third-semester students was held on September 9, 2024, to introduce them to the branch and provide insights into the curriculum and academic expectations. Dr. Krishna A N, Professor and Head, Department of CSE, addressed the gathering, welcoming students and guiding them on their academic journey.



Enlightening Minds: Guest Lecture Series

- The Department of CSE organized a half-day mentoring session on "Learn Startup & Minimum Viable Product/Business" on July 26, 2024, featuring Mr. Gurupreeth Singh Hanspal, Co-Founder of E-Coders, Bangalore. The session covered entrepreneurial strategies, MVP development, and managerial skills, engaging students through interactive activities. Guided by Dr. Krishna A. N, the program aimed to inspire students to transform innovative ideas into viable business models for 4th semester students.



- On November 13, 2024, Dr. Nagasundari, Associate Professor at PES University, Bengaluru, conducted a session on MongoDB, providing participants with insights into this NoSQL database system for 7th Semester students.
- The Department of CSE, in association with IIC, organized a talk on "My Story: A Motivational Session by a Successful Innovator" on December 18, 2024. Mr. Sunil Kumar, Software Engineering Lead at Intel Corporation, shared his inspiring IT industry journey, highlighting challenges, goal setting, and strategic planning. The session motivated 3rd-semester students, providing valuable career insights.

GDG on Campus Student Club Inauguration

The Google Developer Group (GDG) on campus was inaugurated on September 24, 2024. Participants in GDG study jams gain foundational knowledge of Generative AI while engaging in hands-on activities that enhance practical skills. Through the Google Skill Boost platform, they access exclusive content to build expertise in cloud computing and Generative AI. The inauguration saw active participation from 3rd and 5th-semester students. The event also featured a brief session on upcoming tech trends, inspiring students to explore innovation beyond the curriculum.



Refactor: Code Hard or Code Home

On December 6, 2024, the Department of Computer Science and Engineering, in association with IEEE-Bengaluru Section, hosted the "Refactor" coding competition, providing a platform for 151 students from 1st, 2nd, and 3rd years to showcase their programming expertise. The event successfully honed participants' thinking abilities and problem-solving skills.



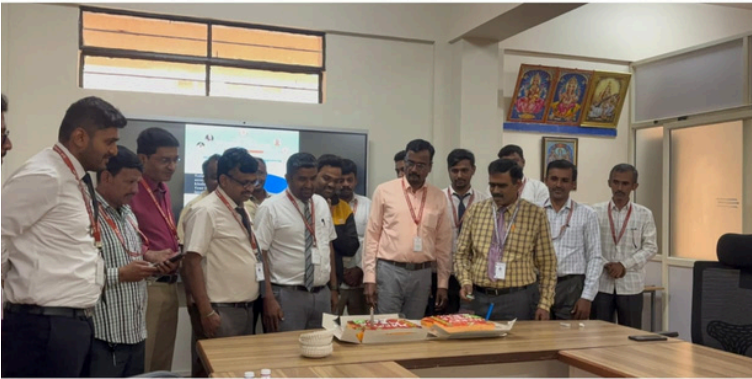
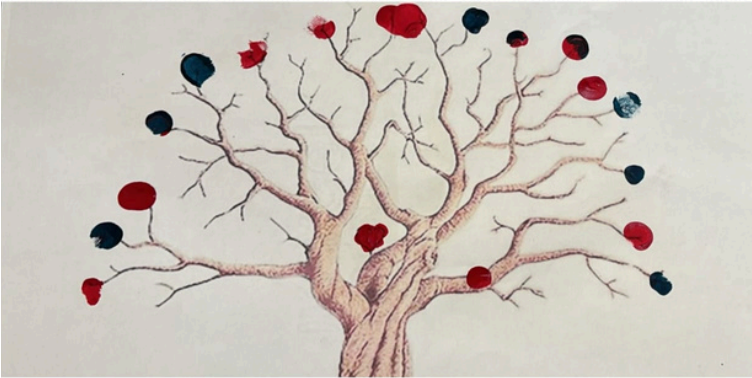
SJBIT Kabaddi Champions

The VTU Inter-college Men's Kabaddi Tournament, held at Sri Sai Ram College of Engineering on October 19th and 20th, 2024, saw the SJBIT kabaddi men's team, including ChethanKumar and Pradyumna from the CSE department, emerged as champions of the Bengaluru South Division. The team triumphed over 16 colleges, showcasing their exceptional skill and teamwork.



International Men's Day Celebration

On November 19, 2024, at 12:45 PM, the Computer Science Department vibrantly celebrated the strength, courage, and kindness of all men! We kicked off with a heartfelt welcome and a fantastic video showcasing our amazing male faculty, followed by a delightful cake-cutting ceremony filled with laughter. A unique finger-print tree activity captured our unity and growth, leaving us with a cherished memento.



Celebration of Ayudha Pooja

On October 10, 2024, the CSE Department vibrantly celebrated Ayudha Pooja and Saraswathi Pooja. In a beautiful display of unity and tradition, students and faculty donned designated attire colors throughout the week, adding a colorful and festive touch to the celebration.



Secret Santa

On December 24, 2024, the CSE Department's staff club spread holiday cheer with a delightful Secret Santa activity! Faculty members anonymously exchanged gifts, creating a fun and festive atmosphere.



Community Service

The Department of Computer Science & Engineering conducted a Digital Literacy Awareness Program on November 29, 2024, for Government Primary School students in Obanayakanahalli, Nelamangala (T), Bengaluru Rural District. Led by Dr. Arun Kumar D R, Lochan, and Santhosh K, the session covered computer hardware basics and the importance of internet usage to build a foundation for advanced learning. A total of 40 students participated, and stationery items were donated to support their education.



Career Insights

The CSE department has celebrated significant placement success, with approximately 61 students securing positions in companies like Cognizant, DeltaX, Adhvi Group, and LTI Mindtree, with packages ranging from 3.00 to 12.00 LPA. Placement drives are ongoing, and the department is committed to supporting the final-year batch in securing promising career opportunities.

Staff Publications

1. M. Chaitra, M. J. Roopa, M. K. Prakruthi, M. L. Chayadevi, M. Rajani Shree, M. D. Swetha. *"Text Detection from Image and Video Frames Using Improved Golden Jackal Optimization based Shallow Convolutional Neural Network"*, International Journal of Intelligent Engineering and Systems, Vol. 17, No. 5, September 2024.
2. Jyoti Metan, Mahantesh Mathapati, Prasad Adaguru Yogegowda, Kurilinga Sannalingappa Anand Kumar. *"Framework for Detecting and Resisting Cyberattacks on Cyberphysical Systems in Internet of Things"*, International Journal of Electrical and Computer Engineering (IJECE), Vol. 14, Issue 5, September 2024.
3. B. N. Ravi Kumar, Naveen Chandra Gowda, B. J. Ambika, H. N. Veena, B. Ben Sujitha, D. Roja Ramani. *"An Efficient Breast Cancer Detection Using Machine Learning Classification Models"*, International Journal of Online and Biomedical Engineering, Vol. 20, Issue 13, October 2024.
4. Vijayalaxmi Joshi, Mallanagouda Biradar, Deepak B. N., Manjula Biradar. *"A New Hybrid Optimization Algorithm for Reliable Clustering Routing in Wireless Sensor Network"*, Proceedings of the 2nd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024), November 22, 2024.
5. Deepak B. N., Mallanagouda Biradar, Vijayalaxmi Joshi, Krunal B. Pawar. *"Reliable and Secured Cluster based Routing in WSN via Lyrebird-Panda Optimization Algorithm"*, Proceedings of the 2nd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2024), November 22, 2024.

Editorial Board

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