

ST JOSEPH ENGINEERING COLLEGE

An Autonomous Institution

Affiliated to VTU, Belagavi | Recognised by AICTE, New Delhi | Accredited by NAAC with A+ Grade

Vamanjoor, Mangaluru - 575 028



PROSPECTUS 2026-27

ABOUT THE INSTITUTION

St Joseph Engineering College (SJEC) – Mangaluru, a premier educational institution and a hub for Creativity and Innovations in Engineering, was established in the year 2002 with an aim to educate the youth in Engineering & Technology. SJEC is an Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi, in the Karnataka State and recognized by All India Council for Technical Education (AICTE), New Delhi.

SJEC is professionally managed and forms a part of over 250 educational institutions of the Diocese of Mangalore. The Institution has been secured the NAAC Accreditation with A⁺ Grade.

**GREAT STORIES
BEGIN HERE...!**

MOTTO OF THE COLLEGE

Service & Excellence

VISION

To be a global premier Institution of professional education and research.

MISSION

- Provide opportunities to deserving students of all communities, the Christian students in particular for quality professional education.
- Design and deliver curricula to meet the national and global changing needs through student-centric learning methodologies.
- Attract, nurture and retain the best faculty and technical manpower.
- Consolidate the state-of-the-art infrastructure and equipment for teaching and research activities.
- Promote all round personality development of the students through interaction with alumni, academia and industry.
- Strengthen the Educational Social Responsibilities (ESR) of the institution.



Benefits of Autonomy

Academic Flexibility

The institution can design and update curricula quickly to keep pace with emerging technologies, industry needs, and national/international priorities.

Industry-Relevant Curriculum

Autonomy enables inclusion of industry-oriented courses, skill-based electives, internships, live projects, MOOCs, and interdisciplinary programs aligned with employability and innovation.

Examination and Evaluation Reforms

The institution can implement continuous assessment, outcome-based evaluation, open-book exams, project-based learning, and faster result declaration, ensuring fair and meaningful evaluation of students.

Outcome-Based Education (OBE) Implementation

The institution can effectively map Course Outcomes (COs), Program Outcomes (POs), and Program Educational Objectives (PEOs) and use assessment data for continuous improvement.

Faster Decision-Making

Academic and administrative decisions related to curriculum, assessment, and academic policies can be taken swiftly, improving responsiveness and governance efficiency.

Promotion of Research and Innovation

Autonomy facilitates the introduction of research-based courses, minor degrees, innovation credits, incubation support, and collaboration with research institutions and start-ups.

Improved Student-Centric Learning

Students benefit from flexible credit systems, choice-based learning, multidisciplinary exposure, and opportunities for certifications, internships, and international collaborations.

Faster Graduation and Result Declaration

Since examinations are conducted in-house, results can be declared quickly, benefiting students pursuing higher studies or placements.

Enhanced Academic Standards

Autonomy allows institutions to set higher academic benchmarks, introduce honors/minors programs, and benchmark with global universities.

Improved Institutional Reputation and Rankings

Well-governed autonomous institutions tend to perform better in NAAC, NBA, NIRF, and international accreditation processes due to academic freedom and innovation.





Visionary Leadership



Most Rev. Dr Peter Paul Saldanha
President
Bishop of Mangalore



Msgr Maxim Lawrence Noronha
Vice President
Vicar General, Diocese of Mangalore



Rev. Fr Wilfred P. D'Souza
Director-SJEC
sjec@sjec.ac.in



Rev. Fr Kenneth R. Crasta
Assistant Director-SJEC
ad.office@sjec.ac.in



Dr Rio D'Souza
Principal-SJEC
principal@sjec.ac.in



Dr Sudheer M
Dean - Academic Affairs
dean.academics@sjec.ac.in



Dr K Jyothi
Dean - Student Welfare
dean.sw@sjec.ac.in



Dr Shreeranga Bhat
Dean - Research and
Development
dean.research@sjec.ac.in

TABLE OF CONTENTS

| | |
|---|----|
| Quality Assurance for Education | 06 |
| Programmes Offered | 07 |
| Training & Placement | 09 |
| Higher Studies and Career Development | 11 |
| DEPARTMENT DETAILS | |
| ● Computer Science & Engineering | 12 |
| ● Intelligent Computing and Business Systems | 13 |
| Programme 1: Artificial Intelligence & Machine Learning | |
| Programme 2: Computer Science & Engg (Data Science) | |
| ● Mechanical Engineering | 16 |
| ● Robotics and Automation | 17 |
| ● Electronics & Communication Engineering | 18 |
| ● Electronics Engineering (VLSI Design and Technology) | 19 |
| ● Electrical & Electronics Engineering | 20 |
| ● Civil Engineering | 21 |
| ● Business Administration | 22 |
| Programme 1 : MBA | |
| Programme 2 : MBA in Innovation, Entrepreneurship & Venture Development (IEV) | |
| Programme 3: Bachelor of Business Administration (BBA) | |
| ● Computer Applications | 25 |
| Programme 1 : MCA | |
| Programme 2 : Bachelor of Computer Applications (BCA) | |
| ● Basic Science Departments | 27 |
| Central Library | 30 |
| Department of Physical Education | 31 |
| Testimonials | 32 |
| AICTE IDEA Lab | 34 |
| Office of the Controller of Examinations | 35 |
| NSS / NCC | 36 |
| Significant Features | 37 |

Quality Assurance for Education



St Joseph Engineering College (SJEC) has established an Internal Quality Assurance Cell (IQAC) to enhance and sustain the quality of the teaching-learning process through systematic planning, monitoring, and continuous improvement. The IQAC regularly conducts Faculty Development Programs (FDPs) focused on quality assurance, accreditation, and Outcome-Based Education (OBE) under various themes such as 'Integra' (promoting OBE and accreditation objectives), 'Spandana' (development of technical staff), 'Spoorthi' (motivational and inspirational development), and 'Cornea' (enhancing faculty skill levels), ensuring continual quality enhancement across the institution.

At the departmental level, each department has designated Program Coordinator(s), a Program Assessment Committee (PAC),

and a Department Advisory Board (DAB) to drive continuous quality improvement and strengthen academic governance. The IQAC serves as the central body that coordinates and monitors quality mechanisms at the institutional level.

To promote lifelong learning and faculty competency enhancement, every faculty member undergoes professional development courses each semester through online platforms such as NPTEL and Coursera, among others. These initiatives have enabled SJEC to become an NPTEL nodal centre, along with subscriptions to multiple learning platforms. Additionally, the college encourages faculty participation in courses and training programs offered by professional partners such as IUCEE (Indo Universal Collaboration for Engineering Education).

As a result of strong OBE implementation and a robust quality culture, SJEC has secured NBA accreditation for five B.E. programs along with MBA and MCA programs. The institution has also been awarded an A+ grade by NAAC for a period of five years (valid up to February 2026). With a CGPA of 3.39 on a 4-point scale, SJEC has achieved the distinction of being among the elite institutions to receive an A+ grade in its first NAAC cycle.



Dr Pavana Kumara
Head - IQAC
Email: head.iqac@sjec.ac.in

Programmes Offered

B.E. Degree Programmes

Four-Year Degree Programmes Autonomous under VTU-Belagavi

- Artificial Intelligence & Machine Learning
- Civil Engineering
- Computer Science & Engineering
- Computer Science & Engg (Data Science)
- Electronics & Communication Engineering
- Electronics Engineering (VLSI Design and Technology)
- Electrical & Electronics Engineering
- Mechanical Engineering
- Robotics and Automation

Eligibility:

Admission to First Semester B.E.:

The candidates should have passed second year Pre-University or XII standard or equivalent examinations with minimum 45% (40% for SC/ST and OBC Karnataka

candidates) marks in Physics and Mathematics along with one of the following subjects: Chemistry, Bio Technology, Computer Science, Biology, and Electronics. Candidates must have studied English as one of the subject in PUC. CET / KRLMPCA score card is made mandatory for the students taking admission in B.E. programmes. A few seats are reserved under NRI quota.

Admission to Third Semester B.E. (Lateral Entry):

A candidate who has passed diploma examination or equivalent examination and obtained an aggregate minimum of 45% marks taken together in all the subjects of the final year (fifth and sixth sem) diploma examination is eligible for the admission to II year B.E. programmes. The eligibility is 40% in the case of SC / ST and OBC Karnataka candidates.



Bachelor Degree Programmes

Three -Year Degree Programmes Autonomous under VTU-Belagavi

- Bachelor of Business Administration (BBA)
- Bachelor of Computer Applications (BCA)

Eligibility:

Candidates must have successfully completed their 12th standard or (10+2) in any stream (Science, Commerce, or Arts).

Post Graduate Degree Programmes

● MBA Degree

Two-Year Management Degree Autonomous under VTU-Belagavi

- ▶ Finance/ HR/ Marketing/ Digital Business & Analytics (Dual Specialization)
- ▶ Innovation, Entrepreneurship & Venture Development

Eligibility: Graduate in any discipline.

Government Quota: Candidates should appear for PG CET and the seats are filled through centralized counseling.

Management Quota: Seats are based on the percentage scored in the graduation course and the percentile obtained in the KMAT /CMAT entrance test.

● MCA Degree

Two-Year PG Degree in Computer Applications Autonomous under VTU-Belagavi

Eligibility: Passed BCA / Bachelor Degree in Computer Science and Engineering or equivalent Degree.

OR

Passed BSc/BCom/B.A. with Mathematics at 10+2 Level or at Graduation Level (with additional bridge Courses as per the norms of the concerned University).

PhD Programmes

- Physics
- Chemistry
- Mathematics

Eligibility: MSc Degree with minimum 60% marks in related discipline.

- Mechanical Engineering
- Computer Science & Engineering
- Civil Engineering
- Electronics & Communication Engineering
- Electrical & Electronics Engineering

Eligibility: MTech in related discipline.

- Management
- Computer Applications

Eligibility: : MCA degree with a minimum CGPA of 6.75 out of 10 or 60% aggregate marks. The above PhD programmes are offered by the respective Research Centres recognized by VTU Belagavi.

The above PhD programmes are offered by the respective Research Centres recognized by VTU Belagavi.



Training and Placement

At SJEC, the Training and Placement Cell is committed to developing industry-ready professionals and responsible future leaders through a structured and progressive training ecosystem. The focus extends beyond placements to equipping students with the technical expertise, professional competencies, and life skills required to succeed in a dynamic global environment.

The training process begins in the first year with a strong emphasis on communication, interpersonal, and leadership skills, complemented by the development of quantitative aptitude and analytical thinking. In the second year, students are introduced to professional practices such as business etiquette, resume preparation, group discussions, and team-building, along with a specialized, branch-specific and language-independent computing course designed to provide an early technical advantage.

The third year marks a critical phase, with advanced technical training and focused interview preparation. Students are guided in making informed career choices, including corporate employment, higher education, or entrepreneurship. In the fourth year, the emphasis shifts to company-specific training and domain-oriented technical preparation, supported by mock interviews, aptitude assessments, and continuous feedback to ensure readiness for recruitment processes.

This comprehensive four-year Campus to Corporate (CTC) program is strengthened by the institution's academic autonomy and its collaborations with globally recognized organizations. Students benefit from access to international learning platforms, enabling them to pursue globally benchmarked courses. Focused upskilling opportunities are provided through programs such as Infosys, Wipro TalentNext, Cisco, and

Campus to Corporate Program

The segmented, four-years Campus to Corporate program is conceptualized and implemented with the objective of enabling graduates with the new age skills that would bridge the Industry-Academia gap.

Technology Training & Interview Preparedness

- Career Counselling: Job/ Higher Education/ Entrepreneurship
- Department specific technology training
- Mock interviews
- Practice tests and Feedbacks

Industry Oriented Training

- Communication Skills: Intra & Inter Personal
- Leadership Skills
- Problem Solving Skills
- Quantitative Aptitude Skills

- YEAR 4** **Company specific Training**
 - Aptitude training
 - Technology training
 - One-to-one counselling

Business Etiquettes & Computing Skills

- Etiquettes: Personal & Workplace | Resume Writing
- Group discussions
- Team building
- Certification Courses
- Programming language training (branch specific)

Industry Supported Trainings & Assessments





Salesforce certifications, equipping students with industry-relevant technical expertise.

For those seeking specialization in niche domains, the institution offers targeted training initiatives. Mechanical Engineering students gain hands-on exposure through FESTO industrial automation training, while Electronics and Electrical students benefit from associations with Tessolve Semiconductor, KarMic, and the India Electronics & Semiconductor Association (IESA). Business Administration students enhance their analytical capabilities through the KPMG data analytics certification. Complementing these efforts, rigorous training in aptitude and soft skills enables students to perform effectively in Aon CoCubes assessments, thereby enhancing their eligibility for recruitment opportunities across service, product, and core sectors.

SJEC continues to maintain strong and growing relationships with leading industry partners, providing students with diverse career opportunities across core, product, and service sectors. The academic year 2025–26 witnessed students securing over 00+ offers, demonstrating the resilience of the institution’s training ecosystem and its sustained focus on enhancing student employability in a dynamic global environment.

Students have consistently secured positions in reputed organizations with competitive compensation packages, with top offers exceeding 21 LPA in recent years. Recruiters such as Cohesity, Infosys, Bosch, Cadence, GE Healthcare, SAP Labs, Capillary Technologies, Dassault Systemes, SEG Automotive, Hashedn Technologies, and Sobha Developers exemplify the quality and diversity of opportunities available to SJEC graduates.

Through a balanced focus on technical excellence, professional skills, and continuous industry engagement, the Training and Placement Cell at SJEC remains dedicated

Recruiters @ SJEC



to ensuring that every student is well-prepared to transition successfully into the professional world and achieve sustained career growth. We invite you to join SJEC and benefit from a structured pathway that prepares you for a successful and rewarding professional career.



Ms Diana Monteiro

Head - Training & Placement
 placement_sjec@sjec.ac.in
 90087 52809

Higher Studies and Career Development

The Office of Collaborations at SJEC is committed to supporting students in pursuing higher education in India and abroad by providing guidance, resources, and global exposure opportunities. We work closely with international universities, overseas consultants, and alumni to facilitate exchange programs, higher education pathways, and collaborative initiatives for Engineering, MBA, and MCA students.

Our offerings include support for fully funded master's and doctoral programs, virtual exchange opportunities, and preparation for competitive exams such as IELTS, TOEFL, and GRE. We have also introduced a German Language Course to enhance students' global readiness. In addition, alumni regularly visit the campus to share their higher education experiences, offering valuable insights and mentorship to students.

education guidance are organized to better prepare students for global opportunities.

Adding to our international engagement initiatives, two of our students successfully completed international programs abroad, gaining valuable global exposure and cross-cultural learning experiences. These achievements reflect our continued efforts to create meaningful global opportunities for our students.

We are pleased to highlight that two groups of our students successfully completed joint research projects—HiveLink and Asterios—under the guidance of professors from Sheffield Hallam University, UK. The first batch has received certificates of completion, while the next batch continues this collaborative work, further strengthening our international academic partnerships



We also conduct orientation sessions and activities encouraging students to explore diverse career pathways, including UPSC and Civil Services. Regular sessions on IELTS mock tests, SOP and LOR writing, and higher



Ms Diana Monteiro
Collaborations Officer
Ph: 0824-2263753 Ext: 149
Email: sjec.connect@sjec.ac.in

BE in Computer Science and Engineering

Programme with an Intake of 240

The Department of Computer Science and Engineering was setup during the inception of the college in 2002. The primary objective of this program is to prepare students for successful careers in Computer and Information technology industries that meet the needs of Indian and multinational organizations. The Department was provisionally accredited by NBA for 2 years in the first cycle from June 2013 to May 2015, in the second cycle for six years from July 2016 to June 2022, and in the third cycle for three years from July 2022 to June 2025.

The program involves a wide variety of courses which enable the students to formulate, solve and analyze computer engineering problems, prepare them for graduate studies and develop the ability to synthesize data and technical concepts for application design & implementation of real time software products. The faculty of the department is actively involved in teaching and research with specializations in Cloud Computing, Computer Vision, Computer Networks, Machine Learning, Process Mining, Natural Language Processing, and Soft & Evolutionary Computing.

Best Practices in the Department

- Monitoring the attendance and performance of students.
- Remedial classes for slow learners.
- Innovative teaching learning practices
- Workshops and seminars as part of continuous learning for staff and students.
- Peer-to-Peer learning.
- Alumni interaction with students.



The Department has entered into MOUs with

- Institute of Technology of Cambodia (ITC), Cambodia
- Infosys Campus Connect
- CISCO Networking Academy – NetCad
- PupilFirst Pvt Ltd
- Kakunje Software Pvt Ltd (KSPL)
- Stellium Innovation and Emerging Technologies
- TechHarmonix Consulting Pvt Ltd, Mangaluru
- Lara Tech Consulting (Elemetryx Tech Pvt. Ltd.), Mangaluru



Dr Melwyn D'Souza

Professor & Head

Ph: 0824 2263754 Ext: 107/144

Email: hod.cse@sjec.ac.in

Department of Intelligent Computing and Business Systems

The Department of Intelligent Computing and Business Systems established in the year 2022 hosts two programs for 2026-27 namely, Artificial Intelligence & Machine Learning, and Computer Science & Engineering (Data Science).

Programmes Offered

- BE in**
- BE in Artificial Intelligence and Machine Learning with 60 intake
 - BE in Computer Science and Engineering (Data Science) with 60 intake

Best Practices in the Department

- Mentoring system to monitor the attendance and performance of students
- Problem and Project based Learning
- Remedial classes for slow learners
- Innovative teaching learning practices
- Workshops and Seminars for students to facilitate knowledge enhancement.
- Peer to peer learning
- Active clubs to provide hands-on experience in leadership, event management, and teamwork
- Industry Oriented Curriculum



BE in Artificial Intelligence and Machine Learning

Programme with an Intake of 60

The B.E. programme in Artificial Intelligence and Machine Learning (AIML) at St Joseph Engineering College is a four-year undergraduate degree programme launched in 2020, with an approved intake of 60 students. The programme is designed to equip students with strong foundations and advanced competencies in intelligent systems, data-driven decision-making, and emerging AI technologies.

Artificial Intelligence and Machine Learning are widely recognized as key drivers of the next industrial and technological revolution. These technologies are transforming industries across the globe, including Healthcare, Finance, Education, Transportation, Manufacturing, Agriculture, Cyber Security, Law, Business, and Smart Infrastructure. AI focuses on building intelligent systems capable of learning, reasoning, perception, and autonomous decision-making, while ML enables systems to improve performance through data and experience.

With rapid digital transformation and increased investment in AI-driven solutions, the demand for skilled AI and ML professionals continues to grow exponentially. AI and ML also form the backbone of Data Science, enabling advanced techniques such as predictive analytics, regression modeling, pattern recognition, and deep learning for actionable insights and innovation.

Graduates of the AIML programme are well-prepared for diverse and high-demand career roles such as: AI Engineer, Machine Learning Engineer, Data Scientist, Data



Analyst, Business Intelligence Developer, Big Data Engineer/Architect, NLP Engineer, Research Scientist, Cyber Analyst, Software Engineer, Product Manager, and other emerging roles in intelligent systems and analytics.

The AIML curriculum at SJEC is carefully structured to balance theoretical foundations, practical implementation, and industry relevance.

Key areas of study include:

- Machine Learning with Python
- Neural Networks and Deep Learning
- Big Data Analytics
- Natural Language Processing
- Speech and Image Processing
- Robotics Process Automation (RPA)
- Computer Vision

The programme emphasizes hands-on learning, industry-oriented projects, internships, research exposure, and multidisciplinary applications, preparing students to become innovators, problem-solvers, and technology leaders in the AI-driven future.

BE in Computer Science and Engineering (Data Science)

Programme with an Intake of 60

The B.E. programme in Computer Science and Engineering (Data Science) at St Joseph Engineering College is a four-year undergraduate degree programme introduced in 2022, with an approved intake of 60 students. The programme is offered under the autonomous status of SJEC, affiliated to VTU, enabling a flexible, industry-aligned curriculum and outcome-driven education.

Computer Science Engineering and Data Science are closely interconnected disciplines that form the backbone of today's data-driven digital ecosystem. While Computer Science focuses on the design, development, and optimization of computational systems and software, Data Science emphasizes the collection, processing, analysis, and interpretation of large and complex datasets to generate meaningful insights. With the exponential growth of data, Data Science integrates statistics, machine learning, data engineering, and visualization to uncover patterns, trends, and predictive intelligence that support informed decision-making.

The convergence of Computer Science and Data Science is critical to addressing real-world challenges across domains such as finance, healthcare, manufacturing, agriculture, smart cities, cyber security, and business analytics. As organizations increasingly rely on data-centric strategies, the demand for professionals proficient in both computing foundations and advanced data analytics continues to rise sharply.

Graduates of the CSE(DS) programme are well-positioned for high-demand career roles including Data Scientist, Data Analyst, Business Intelligence Developer, Big Data

Engineer/Architect, Machine Learning Engineer, Software Engineer, Research Scientist, NLP Engineer, AI Engineer, Cyber Analyst, Data Mining Specialist, and Product Manager, among other emerging roles in analytics and intelligent systems.

The CSE (DS) curriculum at SJEC is designed to provide a strong balance of core computer science fundamentals, statistical reasoning, and advanced data science techniques, with emphasis on hands-on learning and industry relevance.

Key areas of study include:

- Introduction to Data Science
- Advanced Data Science
- Machine Learning
- Deep Learning
- Natural Language Processing
- Knowledge and Data Engineering
- Expert Systems and Decision Support Systems
- Internet of Things (IoT) and Data Integration
- Robotics Process Automation (RPA)
- AI and ML Applications in Healthcare & Agriculture

The programme emphasizes practical laboratories, real-world projects, internships, interdisciplinary learning, and research exposure, preparing students to become competent data-driven engineers and future technology leaders in an increasingly intelligent and connected world.



Dr Harivinod N

Professor & Head
Ph: 0824 2263754 Ext: 183
Email: hod.icbs@sjec.ac.in

BE in Mechanical Engineering

Programme with an Intake of 60

The Department of Mechanical Engineering was established in 2002 with the vision of nurturing technically competent and socially responsible engineering professionals. The Department strives to foster innovation and creativity among graduates and to provide fundamental training in 21st-century skills such as critical thinking, problem-solving, design thinking, collaboration, communication, and lifelong learning.

The autonomous curriculum offered by the Department includes emerging technical courses such as Smart Manufacturing, Python Programming, Artificial Intelligence, Internet of Things Applications in Manufacturing Processes, and Nanoscience and Technology. The Department promotes multidisciplinary education with a strong focus on Mechatronics, Automation and Robotics, Internet of Things, and programming skills. The Department anchors the Automation and Robotics Club, which develops autonomous bots and related projects with applications in the healthcare industry. In addition, the Department has ASME (American Society of Mechanical Engineers) and Sustainability Engineering clubs to promote co-curricular activities.



The Department has been shaping industry-ready graduates, with students building successful careers in core, product, and service sectors. Structured and rigorous placement training, covering aptitude, core fundamentals, and technical skills, is conducted to enhance students' employability and career readiness.

Industry & Academic Collaborations

- FESTO India Pvt Ltd
- Ace Designers Pvt Ltd
- V&G Industrial Testing Laboratories Pvt Ltd
- INDWELL Automation Pvt Ltd
- Government Tool Room and Training Centre (GTTC)

Best Practices in the Department

- Active, student-centric teaching and learning strategies
- Hands-on, laboratory-driven and simulation-based learning
- Interdisciplinary and problem-based projects
- Faculty-student mentorship system
- Strong industry exposure through internships, workshops, and expert talks
- Encouragement for research, innovation, and product-based projects
- Structured and immersive training for campus placements
- Strong alumni and industry engagement



Dr Ravikantha Prabhu

Associate Professor & Head
Ph: 0824 2263755 Ext: 129
Email: hod.mech@sjec.ac.in

BE in Robotics and Automation

Programme with an Intake of 60

St Joseph Engineering College offers the B.E. in Robotics and Automation to meet the growing demand for engineers in automation, robotics, and smart manufacturing, providing a strong foundation in mechanical systems integrated with control, automation, and intelligent technologies aligned with modern industrial practices.

The curriculum adopts a multidisciplinary approach, combining core mechanical engineering subjects such as Engineering Mechanics, Kinematics of Machinery, Manufacturing Processes, and Machine Design with Industrial Automation, Robotics, Mechatronics, Sensors and Actuators, Control Systems, Programmable Logic Controllers (PLC), the Industrial Internet of Things (IIoT), Machine Vision, and Artificial Intelligence (AI), along with Smart Manufacturing Systems.

Robotics and automation are widely used across sectors such as manufacturing, automotive, aerospace, electronics, healthcare, and logistics. With the growth of Industry 4.0 and smart factories, the demand for skilled professionals continues to increase. Graduates can pursue careers as Automation Engineers, Robotics Engineers, Control System Engineers, Mechatronics Engineers, PLC/SCADA Engineers, and System Integrators.

The programme aligns with key Government of India initiatives such as Make in India, Atmanirbhar Bharat Abhiyan, the Production Linked Incentive (PLI) Scheme, and SAMARTH Udyog Bharat 4.0, promoting advanced manufacturing and indigenous technology development.



Why Choose Us?

- Strong mechanical engineering foundation with integrated automation and robotics
- Industry-aligned and multidisciplinary curriculum
- Hands-on learning through laboratories, simulations, and industry-oriented projects.
- Experienced faculty and established industry collaborations
- Opportunities for internships, innovation, and skill development

The programme prepares students for careers in intelligent manufacturing and automated mechanical systems, contributing to India's evolving industrial ecosystem.



Dr Ravikantha Prabhu
Associate Professor & Head
Ph: 0824 2263755 Ext: 129
Email: hod.mech@sjec.ac.in

BE in Electronics and Communication Engineering

Programme with an Intake of 120

The Department of Electronics and Communication Engineering, established in 2002, is committed to academic excellence, innovation, and holistic student development. The department equips students with strong fundamentals and advanced skills in key domains such as Analog Circuits, Digital System Design, VLSI, 5G/6G Communications, Embedded Systems, Signal Processing, IoT, Artificial Intelligence, and Robotics.

The department is supported by a team of qualified and experienced faculty and follows Outcome-Based Education (OBE), ensuring strong conceptual learning in the initial semesters and progressive exposure to advanced applications and real-world problem solving. State-of-the-art laboratories with industry-standard facilities such as Cadence VLSI Design Suite, Xilinx Vivado, MATLAB 2026, NI Multisim, ARM Cortex kits, FPGA boards, Digital Storage Oscilloscopes, Optical Fiber Kits, and modern communication test benches provide extensive hands-on training and practical exposure.

The Department has entered into MOUs with

- KarMic Design Pvt. Ltd., Manipal
- Fr. Muller Medical College & Hospital, Mangaluru
- College of Information and Electrical Engineering, Asia University, Taiwan
- ICAR-Central Plantation Crops Research Institute
- Equidor MedTech Pvt Ltd, Bengaluru
- Manipal Academy of Higher Education, Manipal, (KMC) Mangaluru

A project-centric learning approach is adopted, where capstone projects begin one semester early, enabling students to focus on ideation, design, development, and validation. The department also runs a special initiative, "Innovate," which supports students in project planning, product development, prototyping, documentation, and presentation. With structured mentorship and placement training in aptitude and technical skills, the department consistently produces industry-ready graduates for careers in core, product, and service sectors.

Best Practices in the Department

- Active and student-centric learning strategies
- Strong support mechanisms for difficult subjects through bridge courses
- Hands-on, laboratory-driven learning
- Industry exposure through workshops, internships, and expert talks
- Strong alumni and industry engagement
- Emphasis on research, innovation, and interdisciplinary projects
- Unique faculty-student mentorship system
- Core company placement training
- Encouragement for product-based and research-oriented projects
- Collaborative, problem-based assignments with rubric-based evaluation.



Dr Dayakshini

Professor & Head

Ph: 0824 2263754 Ext: 117

Email: hod.ece@sjec.ac.in

BE in Electronics Engineering (VLSI Design and Technology)

Programme with an Intake of 60

The Department of Electronics Engineering (VLSI Design and Technology) is a newly introduced undergraduate program designed to meet the rapidly growing demand in the Semiconductor and VLSI industry. The program aims to build a strong academic foundation in Electronics Engineering and Semiconductor Fundamentals, preparing students for advanced learning and industry relevance in the coming years.

The department is academically supported by the established Electronics and Communication Engineering department, with experienced and qualified faculty members handling both theory and laboratory components. This ensures academic stability, quality teaching, and effective mentoring from the very beginning of the program.

The curriculum places strong emphasis on fundamental concepts in electronics, mathematics, and computing during the initial semesters, in line with Outcome-Based Education (OBE) principles. As students progress, they will be gradually introduced to core areas such as Analog Circuits, Digital Electronics, CMOS Technology, VLSI Design, FPGA/ASIC concepts, and Semiconductor Devices, ensuring a structured and progressive learning path.

Students have access to industry-standard software and hardware platforms such as Cadence VLSI Design Suite, Xilinx Vivado, MATLAB 2026, and NI Multisim. They also work with FPGA boards, ARM Cortex-based development kits,

and Digital Storage Oscilloscopes. Advanced simulation tools further support practical and research-based learning.

The department focuses on strong academic discipline, individual student attention, and continuous evaluation through structured assessments. Bridge courses and support mechanisms are implemented to help students smoothly transition into core engineering subjects. Equal importance is given to co-curricular and extracurricular activities, encouraging student participation in technical events, sports, NCC, and NSS for overall personality development.

Best Practices in the Department

- Strong emphasis on fundamentals in lower semesters
- Qualified and experienced faculty support through the ECE department
- Shared access to well-established laboratories and infrastructure
- Outcome-Based Education (OBE) aligned curriculum
- Support mechanisms through bridge courses
- Student-centric teaching and continuous assessment
- Individual mentoring and disciplined academic environment
- Encouragement for participation in technical, sports, NCC, and NSS activities.



Dr Dayakshini

Professor & Head

Ph: 0824 2263754 Ext: 117

Email: hod.ece@sjec.ac.in

BE in Electrical & Electronics Engineering

Programme with an Intake of 60

The Department has a team of well qualified and dedicated faculty with wide range of specialization. The BE programme offers a unique mix of electrical, electronics and computer related courses enabling the students to take up a professional career/ higher studies in any of these areas. Subjects on Electric Circuit Analysis, Control Systems, EV Technologies, Protection and Power Systems, Electric Power Generation, Transmission and Distribution give the basic exposure to electrical fundamentals, whereas Analog and Digital Electronics, Microcontrollers, Digital Signal Processing, Embedded Systems, Hardware Description Languages(HDL), Advanced CMOS VLSI Design, Advanced Programming Languages make attractive blend of Electrical& Electronics Engineering concepts thereby creating excellent placement opportunities in various fields such as Construction, Power Distribution, Automobile, Aeronautical, Information Technology, Healthcare sectors, Semiconductor Device Design and Fabrication. The students of EEE branch are placed in Electrical & Electronics Engineering related Organizations and Software Companies. With the objective of making graduates Industry ready, Computer labs with modern Software and Hardware labs on Transformers, Motors, Power System Protective Relays, Power Electronics and Drive Systems have been operational and have helped students to improve their Technical Knowledge and Skills. The Department of Electrical & Electronics Engineering at SJEC is one of the few Departments in the region to secure NBA Accreditation since 2013.



Industry based Softwares used

- ETAP Automations- Power System Simulation Software

Best Practices in the Department

- Weekly Attendance Monitoring
- Alumni Interaction
- Competitive exam training
- Technical talks by Industry and Academia
- Industrial Visit

The Department has entered into MOUs with

- Decibel Labs, Bengaluru, for training on Electric Vehicles
- TATA Power Skill Development Institute, Pune, for training in power system studies.
- Power Flow Controls, Bengaluru



Dr Sanath Saralaya

Associate Professor & HOD
Ph: 0824 2263754 Ext: 125
Email: hod.eee@sjec.ac.in

BE in Civil Engineering

Programme with an Intake of 60

The Department of Civil Engineering, established in 2012, is committed to academic excellence, innovation, and holistic student development. The department equips students with strong fundamentals and advanced technical skills in key areas such as Structural, Geotechnical, Environmental, Transportation, and Water Resources Engineering, Construction Management, Sustainable Infrastructure, GIS, Smart Cities, and Green Building Practices.

Supported by a team of qualified and experienced faculty, the department follows Outcome-Based Education (OBE), ensuring strong conceptual learning in the initial semesters and advanced practical applications in later stages. Well-equipped laboratories such as Structural, Geotechnical, Environmental, Transportation, Surveying (Total Station & GPS), and Fluid Mechanics labs provide hands-on exposure. Students also gain expertise in industry-relevant software like STAAD.Pro, ETABS, AutoCAD, and MATLAB and BIM Modeling and AI Applications.

The Department has entered into MOUs with

- StraeCon India LLP
- M/s. Aapaavani Environmental Solutions Pvt Ltd
- M/s Petrocon Engineers and Consultants (PEC), Mangaluru
- CADD Techlabs Training Services, Mangaluru
- M/s Marian Projects Pvt Ltd Mangaluru

The department promotes project-based learning through early initiation of capstone projects and a strong mentorship system that encourages innovation, leadership, and problem-solving skills. With structured placement training and opportunities in consultancy and research, the department consistently produces industry-ready graduates for careers in construction, infrastructure, consulting, research, and public services.

Best Practices in the Department

- Implementation of active and student-centric learning strategies tailored to core civil engineering subjects
- Conduction of various technical activities such as Technical Talks, Industrial Visits under departmental association "NIRMAN".
- Focus on cutting edge research and publications in reputed journals
- Innovative Teaching Learning Practices
- Consultancy Services: Providing Consultancy Services in Structural design and detailing, Material testing, Soil Investigation, and Non-Destructive Testing (NDT) for Structural Assessment.

Research Facilities

- Microbiology lab
- CST Lab
- Environmental engineering lab



Dr Yajneswaran B

Professor & Head

Ph: 0824 2263754 Ext: 169

Email: hod.civil@sjec.ac.in

Department of Business Administration

MBA Programme with an Intake of 120

The Department of Business Administration was started in the year 2007 as a post graduate Department of SJEC. The Department of Business Administration offers a two-year full time MBA programme approved by AICTE, Ministry of HRD, Government of India and is affiliated to Visvesvaraya Technological University (VTU), Belagavi, Karnataka with an intake of 120 students. The Department offers dual specialization (Finance-HR/HR-Marketing/Marketing-Finance/ Finance-Digital Business and Analytics and Marketing-Digital Business and Analytics). The Department is a recognized research centre of VTU for PhD programme in management studies.

Best Practices in the Department

- Industry oriented autonomous curriculum with Outcome Based Education (OBE) framework.
- SWAYAM/NPTEL as part of the curriculum.
- 100% placement support through our industry partners- iSkew learning
- Bridging Industry-Academia skill gap through organizing expert talks by Industry persons on a wide range of Management issues
- Continuous alumni student interaction to appraise the latest trends in the industry
- Organising Management Development Programs on the emerging areas in business for improving productivity at the workplace.
- Bettering managerial and intellectual skills of students through organising

Management fest, Student Conference, Business plan contest, student panel discussions and Problem Based Learning (PBL) sessions.

- Initiating Mini research projects for MBA students to equip them with research and analytical skills
- Nurturing social, ethical and moral values of MBA students through community engagement, outreach programme and volunteering
- Enhancing employability skills through training sessions through Certificate Course on Business Analytics Embedded with ERP and Industry Oriented Training.
- Outbound Training Programmes for enhancing leadership effectiveness.
- Non-credit course like Corporate Etiquette and Personality Development and IT for Business in the autonomy curriculum.

The Department has entered into MOUs with

- Yenepoya Medical College
- District Small Industries Association (DSIAM) Yeyyadi, Mangaluru.
- Marian College (Autonomous), Kuttikkanam (MCK), Kerala



Dr Prakash Pinto

Professor and Dean

Ph: 0824 2263753 Ext: 127

Email: dean.mba@sjec.ac.in

MBA in Innovation, Entrepreneurship and Venture Development (MBA - IEV)

Programme with an Intake of 30

The MBA (IEV) program is designed to connect theory of innovation and entrepreneurship with practice and enabling students to acquire skills. This program will be delivered in phases and modules. This outcome oriented program will facilitate learning on management of innovation, entrepreneurship and venture development from foundation to advanced stages and simultaneously enable students to apply their entrepreneurial skills in real life situations, validate ideas, build innovations, test market and build a successful venture out of it.

Eligibility & Selection of Candidate:

The minimum academic eligibility for a candidate to apply for this program should be a graduate having atleast three years' degree program recognized nationally. The admission procedure of VTU Belagavi is applicable. The intake for this program is 30 students.

Unique Features of MBA IEV:

- The program offers an innovative and industry-oriented curriculum



spanning all four semesters, covering new venture creation, business model development, venture financing, start-up policies, innovation management, and skill enhancement through structured courses. launched during the study period.

- It emphasizes end-to-end venture creation by enabling students to transform ideas into prototypes and successfully launch them in the market through real-time venture establishment.
- The curriculum integrates capstone projects focused on business model development along with practical exposure through real-time entrepreneurial activities
- A holistic learning approach is adopted through four modes: classroom teaching, skill certifications, capstone projects, and action learning segments, ensuring both theoretical and experiential learning.
- The program offers four specialized tracks–Venture Establishment, Entrepreneurship Intensity, Start-up Experiential Learning, and Ideation & Innovation–supported by industry mentors, while developing competencies in business planning, fundraising, and venture growth.



Dr Prakash Pinto

Professor and Dean

Ph: 0824 2263753 Ext: 127

Email: dean.mba@sjec.ac.in

Bachelor of Business Administration (BBA)

Programme with an Intake of 60

Electives Offered:

- Data Analytics
- Logistics and Supply Chain Management

The Department of Business Administration was started in the year 2007. Bachelor of Business Administration (BBA) is a three-year undergraduate program designed to provide students with a strong foundation in business management and administrative skills. The program focuses on developing knowledge in key functional areas such as marketing, finance, human resource management, operations, entrepreneurship, and Data Analytics and also Logistics and Supply Chain Management. It aims to build managerial, leadership, communication, and decision-making abilities required in the corporate world. The Department is a recognized research centre of VTU for PhD programme in management studies.

Overall, the BBA program prepares students for entry-level managerial roles in various industries and also serves as a strong foundation for higher studies such as MBA or other professional courses. It focuses on nurturing analytical thinking, problem-solving skills, and professional ethics to help students succeed in today's competitive business environment.

Unique features of BBA programme

- Autonomous, industry-oriented curriculum
- Outcome-Based Education (OBE) framework
- Skill Enhancement and Value-Added

Courses every semester

- Early exposure to business ethics and governance
- Emphasis on communication and soft skills
- Hands-on training in digital and analytical tools
- Mandatory internship and project work
- Courses on Design Thinking, Corporate Governance, Digital Marketing & ERP
- Integration of Sustainable Development Goals (SDGs)
- Teamwork, leadership, and personality development focus

Campus Amenities:

- Library with recommended, reference books & E-resources.
- Hostel facility for boys and girls.
- Counselling and mentoring assistance.
- 24x7 Wi-Fi connectivity.
- Companies within the campus for experiential learning.
- 100% Placement training and support.
- Sessions on soft skills and personality development.
- College Bus facility for day scholars.



Dr Prakash Pinto
Professor and Dean
Ph: 0824 2263753 Ext: 127
Email: dean.mba@sjec.ac.in

Department of Computer Applications

MCA Programme with an Intake of 120

The Master of Computer Applications (MCA) program, established in 2008. The department offers a two-year course approved by the All India Council for Technical Education (AICTE) and SJEC is an Autonomous Institution affiliated to Visvesvaraya Technological University (VTU), Belgaum, Karnataka. The MCA program is provisionally accredited by National Board of Accreditation (NBA) in the year 2024 for two years. The Computer Applications department at SJEC emphasizes on core courses that delve into design and analysis techniques for the software development across diverse application domains. Additionally, students gain insights into the workings of computers and networks. The program also offers specialization courses from emerging fields technologies, such as Artificial Intelligence, Cloud Technologies, Cyber Security, Big Data Analytics, Artificial Internet of Things, and Drone Technologies etc, allowing students to explore their individual interests. Greater emphasis will be given on application development to better prepare the students for the industry. Currently the department has an intake of 120 students. The department houses a VTU-approved Research Centre that

fosters holistic development in research and innovation.

Best Practices in the Department

- Career and Employability Support
- 100 percent Placement Support
- Project Based Learning
- Skill Development Courses
- Focus to the Entrepreneurship activities
- Bridging Industry-Academia skill gap
- Continuous Alumni - Student interaction
- Start-up support through incubation centre
- Mentoring support
- Support for Innovation and Research
- Industrial Visit
- Add on Course/Hands on Training on the new technologies like Machine Learning, Artificial Intelligence and Cyber Security, Internet of Things, Automation and Robotics
- Encouragement for taking up online courses
- Support for Industry/Organizational Internship
- Research Internship and Students Publication Support

The Department has entered into MOU with

- Catholic Board of Education, Mangaluru
- Milagres College, Mangaluru



Dr Hareesh B

Associate Professor & Head
Ph: 0824 2263753 Ext: 142
Email: hod.mca@sjec.ac.in

Bachelor of Computer Applications (BCA)

Programme with an Intake of 60

The department of Computer Applications at St Joseph Engineering College established in the year 2008 and offers Bachelor degree course in Computer Applications for the academic year 2026-27. In a world driven by digital transformation, the Bachelor of Computer Applications (BCA) program at SJEC equips students with the skills, knowledge, and mindset required to thrive in the IT industry. Offered by an engineering college ecosystem, the program blends strong computing fundamentals with hands-on, industry relevant learning.

Facilities for BCA program at Our Engineering College?

- Industry Focused Curriculum aligned with current IT trends
- Strong Engineering Ecosystem with access to advanced labs and expertise
- Application Oriented Learning through projects and case studies
- Experienced Faculty with academic and industry exposure
- Career Ready Skill Development through AICTE approved skill laboratory
- Entrepreneurship Skills Development through interactions with entrepreneurs and real-world case studies.



Program Highlights

- Foundations in Programming, Data Structures, Databases, and Software Engineering
- Emerging technologies: Artificial Intelligence, Data Science, Cyber Security, Cloud Computing, and Automation
- Live Projects & Inhouse Internships to solve real world problems
- Skill Development Laboratory for holistic and lifelong learning
- Workshops, hackathons, coding contests, and tech talks.



Dr Hareesh B

Associate Professor & Head
Ph: 0824 2263753 Ext: 142
Email: hod.mca@sjec.ac.in

Basic Science Departments

Physics

The Department of Physics, established in 2002, has built a strong reputation in teaching and research. It is supported by highly qualified and motivated faculty known for innovative teaching methods. The department aims to provide strong fundamental science concepts to aspiring engineers. This helps students become skilled professionals to meet the nation's evolving technological needs.

The department has established a recognized research center and has received multiple research grants amounting to more than Rs. 55 lakhs from funding agencies such as DAE-BRNS, Government of India; VGST, Government of Karnataka; and VTU, Belagavi. The Research Centre has successfully produced four doctoral degrees, and four research scholars are currently pursuing their Ph.D. programs. Faculty members have published more than 60 research papers in reputed international journals and have presented over 80 papers at national and international conferences.

As the department enters its Silver Jubilee year (2026-27), marking 25 years of academic excellence, it continues to strengthen its commitment to quality education, impactful research, and student empowerment. The departmental association, Epsilon, actively organizes various academic and co-curricular activities aimed at the advancement, dissemination, and practical application of Physics in engineering disciplines.

RESEARCH FACILITIES

Fluorescent Spectrometer



The Fluorescent Spectrometer Hitachi F-2700 is widely used in sensor applications due to its high sensitivity and precision in detecting fluorescence signals.

Potentiostat:



Potentiostats are widely used in testing and developing electrochemical energy storage devices like lithium-ion batteries, supercapacitors, and solid-state batteries.

Ultrasonicator



Spin Coater

Ultrasonic Interferometer



Dr Rajesh Kumar P C

Professor and Head
Ph: 0824 2263754 Ext: 147
Email: hod.physics@sjec.ac.in

Mathematics

The Department of Mathematics plays a pivotal role in fulfilling the institution's academic and research objectives by providing a strong foundation in core mathematical principles essential to all engineering disciplines and the Master of Computer Applications program. The Department offers well-structured courses aligned with Outcome-Based Education (OBE), aimed at strengthening analytical ability, problem-solving skills, and research competency.

The Department is supported by experienced senior and research-oriented faculty who foster a learner-centric academic environment. A well-established MATLAB laboratory with a capacity of 80 students facilitates experiential learning, computational practice, and project-based instruction.

The Department has three Ph.D.-qualified

faculty members, with all other faculty actively pursuing Ph.D. program, and operates a VTU recognized Research Centre with expertise in Algebra, Linear Algebra, Graph Theory, and other emerging areas of Mathematics. Innovative pedagogical practices such as active learning, problem& Project -based learning, and ICT-enabled teaching are adopted to ensure effective curriculum delivery.

The departmental association, SIGMATHS, contributes significantly to student progression and employability by promoting academic excellence, nurturing research aptitude, and supporting preparation for competitive examinations.



Dr Jagadeesha B.

Professor and Head

Ph: 0824 2263753 Ext: 148

Email: hod.maths@sjec.ac.in

Department of Humanities

The Department of Humanities at SJEC, Mangaluru, plays a pivotal role in shaping holistically developed engineers by strengthening their communication skills, ethical values, and social awareness. The department provides a strong academic foundation for undergraduate students by integrating language proficiency, human values, professional ethics, and critical thinking alongside technical education.

Adopting a learner-centric approach, the department focuses on the holistic development of students by nurturing their intellectual, emotional, and social competencies, thereby preparing them to

face global challenges with confidence and responsibility.

The English Language Computer Laboratory is well equipped with Quiklrn, an AI-powered adaptive learning platform that enables students to master language skills in a learner-friendly and interactive environment.

The Department offers courses such as English Communication Skills, Soft Skills, Kannada, Biology for Engineers, Indian Constitution and Professional Ethics, which collectively contribute to the development of effective communication, professional competence, and responsible citizenship. Through these courses, the department aims to shape students into skilled professionals and socially responsible citizens of the nation.

Chemistry

The Chemistry Department is committed to advancing all branches of engineering through its practical education and service-oriented mission. Its faculty members are devoted to excellence in teaching and research, fostering a dynamic environment that emphasises student-centric learning, interdisciplinary approaches, and innovation. The department houses a spacious, well-equipped laboratory that ensures safe and comfortable working conditions, with seating for all students during demonstrations and a regularly replenished stock of chemicals. The department carries out basic and applied research work through the R&D Centre, recognised by VTU Belagavi, offering PhD programs in areas such as Crystallography, Synthetic Organic Chemistry, Electrochemistry, Pharmaceutical Chemistry, and Analytical Chemistry. The Centre has consistently received research grants from agencies including DAE-BRNS, VTU, and VGST.

RESEARCH FACILITIES

Electrochemical Analyzer/Workstation- Model 608E: Cyclic voltammetry, Linear



Sweep voltammetry, AC Impedance, Impedance -Time, Impedance- potential, chronopotentiometry, chronoamperometry, chronocoulometry, Tafel plot, Multi current steps, Potentiometric stripping analysis, electrochemical noise measurement, open circuit potential- time, bulk electrolysis with coulometry, etc.

Gaussian 16 Software: The Gaussian 16W computational chemistry software suite developed by Gaussian, Inc. This program



performs advanced electronic structure modelling with methods for computing energies, exploring energy landscapes, studying molecular properties, Quantum chemical calculations, DFT studies, and HOMO LUMO Calculations.

UV-Vis spectrophotometer: Ultra-fast, high-resolution measurements across multiple modes for precise analysis of rapid



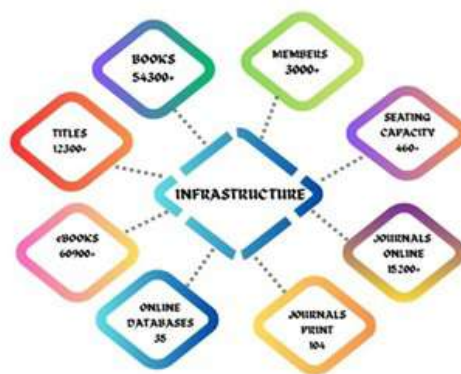
reactions. It supports applications from nanoparticle monitoring and film quality control to DNA quantitation and trace chlorophyll detection.



Dr Pramila Rita D'Souza
Assistant Prof. and Head
Ph: 0824 2263753 Ext: 123
Email: hod.chem@sjec.ac.in

The Central Library

Central Library of SJEC is a "Gateway to Discover, Explore and Learn". The Library being one of the best technical libraries in the region, provides state-of-the art infrastructure and offers innovative physical and virtual services to its stakeholders, alumni's and visitors by using cutting-edge technology tools and techniques. It is the active place on the campus providing a very conducive environment that enables learning and advancement of knowledge and promotes discovery and scholarship. The Library promotes its resources and services through library orientation, user awareness training programmes, workshops, library website, activities, book exhibitions/competitions, posters, brochure etc.



Best Practices

- Cloud Based Library Management Software
- Web OPAC : Online Access Catalogue : Student Project Reports
- Library Manual
- Dynamic Library Web Page
- Reader's Club
- Alumni Membership
- User Awareness Training Programmes/ Author Workshops
- Best User Award
- Book Exhibitions/Competitions
- User Survey
- Remote & QR Code access to E-Resources

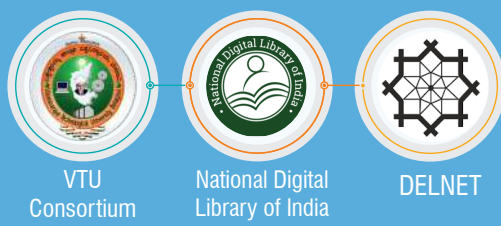
Services & Facilities

- Literature Retrieval Services
- Book Lending
- Reference
- Overnight Issue of Reference books
- Book Bank (General & SC/ST)
- Digital Library and Repository
- Wi-Fi & Bar code Technology
- Self & E-Learning Databases
- Photocopy/Scanning/Printing
- Self-study & General Reading Rooms

Teaching / Learning / Research Support

- Teaching / Learning / Research Support
- VTU Consortium E-Resources
- IRINS Faculty Profiles
- Turnitin – Anti – Plagiarism Software
- DrillBit Plagiarism Detection Software
- Mendeley Reference Management
- SWAYAM-NPTEL Programmes
- VTU E-Shikshana Programmes
- Shodhganga E-Thesis Repository
- E-Project Reports

Library Collaboration



Dr Felcy D'Souza

Librarian

Ph: 0824-2263753 Ext: 105

Email: librarian@sjec.ac.in

Department of Physical Education

The Physical Education Department is committed to maintain the physical fitness of students throughout their studies at SJEC. Physical Education Department is well established with all sports and games amenities:

- 400 m Athletic track, Football, Cricket, Hockey and Handball Courts.
- Volleyball Court.
- Throw-ball Court.
- Basketball Court.
- Kabaddi Court.
- Netball & Ball Badminton Court.
- Five shuttle badminton courts for both men and women.
- A well-equipped multi gymnasium facility



Our students have been able to showcase consistent performance in various University / National Level meets and we are very proud of their achievements.



The College sports and games teams participated in Cricket, Basketball, Football, Throwball, Volleyball, Handball, Hockey, Table-Tennis, Swimming, Netball, Ball Badminton, Best Physique, Weightlifting, Powerlifting, Wrestling, Judo, Chess and Athletics in the

for men & women in their respective hostels.

- Indoor facilities like Table-Tennis, Carrom and Chess etc.

With strong focus on inculcating good sportsmanship spirit and discipline, we conduct regular training and practice sessions on various sports and games.

VTU zonal and inter-zonal levels and won many prizes.



Ms Vaneesha V Rodrigues
Physical Education Director
Ph: 0824 2263753 Ext: 128
Email: sports@sjec.ac.in

Witness to transformational changes...



I have always been actively involved in extracurricular activities, and I initially thought joining the Computer Science department might limit my involvement, but I was proven wrong. The college provided many opportunities to upskill through hackathons, inter-college events, and workshops. I also had the chance to teach in schools during holidays, which was a meaningful experience. I was part of the TEDx curator team, hosted college events, represented SJEC at the All India Inter-University level, and worked on an international project through the university's MoU. Overall, SJEC helped me explore my potential and grow both personally and professionally.

Jia Menezes
3rd Year CSE



My journey at EEE, SJEC was truly amazing. From learning the fundamentals of Electrical Engineering to exploring power systems, I built a strong academic foundation. The faculty were supportive and motivating, and I had the opportunity to conduct workshops and serve as an office bearer of the Electrical and Electronics Students Association, which enhanced my leadership skills. Industrial visits and extracurricular activities further contributed to my overall growth. Over four years, SJEC shaped me into a well-rounded professional, ready to contribute meaningfully to society.

Deepansh D V
EEE Batch of 2026



SJEC created a competitive and collaborative environment that pushed me to grow academically and professionally. The faculty members were very supportive and brought industry experience into the classroom. Through case studies, presentations and group discussions, I improved my communication, leadership and team work skills. Overall, my MBA at SJEC education helped me build a solid business foundation and gave me the confidence to succeed in my career.

Mr Pruthviraj M M
MBA Batch: 2009
Team Lead, Societe Generale, Bangalore



SJEC played a key role in shaping my journey as a Civil Engineering student by providing strong academic support and practical exposure. With well-equipped labs, field-based learning, and guidance from experienced faculty, the institution helped me build technical skills, confidence, and overall growth. Through site visits, workshops, projects, and industry interactions, I gained valuable real-world knowledge essential for my career. I am grateful for SJEC's continuous support and strongly recommend it to aspiring civil engineers as the right place to build their future.

Mahima S Rao
PMRF Research Scholar, Geomechanics Lab,
Department of Civil Engineering,
Indian Institute of Technology Madras, Chennai

SJEC STUDENT CLUBS / CHAPTERS

TECHNICAL / SOCIAL CLUBS



SJEC Alumni Association



Automation and Robotics Club



Institute of Electrical and Electronics Engineers



All India Catholic University Federation



SAEINDIA -SJEC COLLEGIATE CLUB



Imperial Society of Innovative Engineers Collegiate Club



National Service Scheme & Youth Red Cross

JAGRUTHI

Committee for Prevention of Sexual Harassment



Indian Society for Technical Education



SJEC AERO Club



SJEC JUCEE Student Chapter

DEPARTMENTAL STUDENT ASSOCIATIONS



TORQUE
Mechanical Engineering



CIPHER
Computer Science & Engineering



NIRMAN
Civil Engineering



EELS
Electrical & Electronics Engineering



GENESIS
MBA



PRODIGI
Electronics & Communication Engineering

TechnoCrats

TechnoCrats
MCA



Epsilon
Physics



ChemAtom
Chemistry



Sigmaths
Mathematics

AICTE IDEA LAB

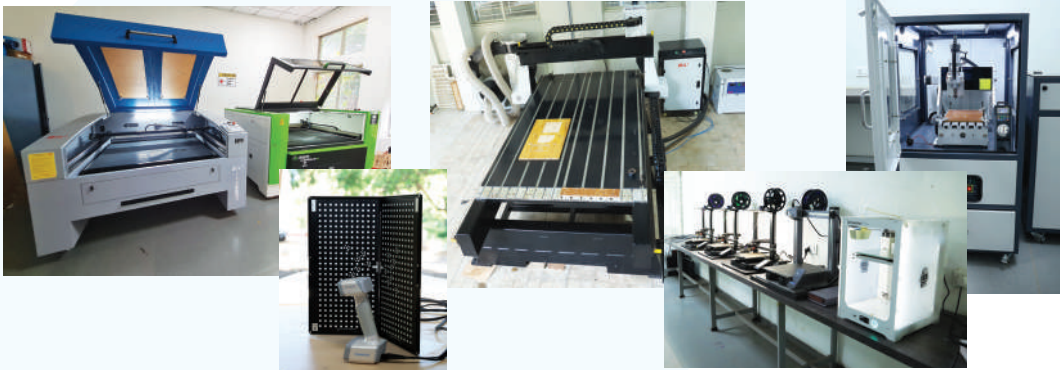
SJEC is fortunate to be one of the institutions selected by the AICTE for establishing the AICTE IDEA Lab in the year 2021. The SJEC AICTE IDEA Lab encourages students to apply fundamentals of Science, Technology, Engineering, and Mathematics towards enhanced hands-on experience, learning by doing, and product visualization. The IDEA Lab aims to make students more imaginative and creative, in addition to imbuing skills in critical thinking, problem-solving, design thinking, collaboration, communication, and lifelong learning. The lab covers an area of 5000 plus sq. ft equipped with advanced machinery, tools, and consumables to support the translation of an idea into prototype development or the solution of a problem. The SJEC AICTE IDEA Lab understands the importance of developing skills in individuals' lives. Therefore, the lab offers several hands-on courses to SJEC students, starting from the first semester to the eighth semester. The IDEA lab conducts workshops, training, ideation sessions, boot camps, competitions, etc., to nurture ideas, imagination, and creativity among stakeholders. The facility is open to SJEC students, faculty, and staff, as well as students from other schools or colleges,

industries, entrepreneurs, startups, and alumni. With available industrial-grade advanced machinery, electronic tools, and testing equipment, wrapped in open-source software and staffed by trained personnel, the IDEA Lab is a platform for learning, innovation, and technical prototyping, and provides a stimulus for on-campus and local entrepreneurship.

From an academic perspective, the SJEC AICTE IDEA Lab conducts training sessions on various fronts where students engage in hands-on activities, imagine, design prototypes, and iterate to find solutions for problems. For an entrepreneur, the IDEA Lab is an ideal place where they can utilize machinery and tools to build prototypes and iterate to bring ideas to life. The IDEA lab can play a substantial role for industries by serving different objectives such as training their personnel with advanced machinery available in the lab, rapid prototyping of industry products/components, and low-cost, on-demand manufacturing.



Equipment/Facilities

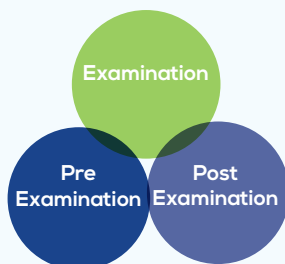


Office of the Controller of Examinations



St Joseph Engineering College is conferred with Autonomous status by UGC during the academic year 2020-21 and by VTU during the academic year 2021-22. This has facilitated SJEC to formulate industry specific curriculum that meets both the local and global requirements, adopt innovative methods of teaching-learning with hands on experience and also to devise an appropriate assessment mechanism.

Examinations or Assessments play a very important role in deciding the quality of education. The main motto of assessment is to measure whether the desired learning outcomes have been achieved or not. The achievement of objectives and program outcomes measured through accurate and reliable awardable assessments.



The SJEC adapted Outcome Based Education Framework as per the Washington Accord (WA) which endorses the engineering education system has demonstrated a strong, long-term commitment to quality assurance in producing industry ready and socio-economic responsible engineers.

Having been conferred with Autonomous status by UGC and VTU, Belagavi, the Examination section of SJEC has been restructured as Office of the Controller of Examinations (COE) to carry out all the autonomous examination activities from academic year 2021-2022.

SJEC adopted equally weighted SEE and CIE patterned assessment in the 50:50 ratio. Normally the SEE is summative mode of assessment and CIE (Continuous Internal Evaluation) is a formative assessment to assess the student's ability of applying knowledge, solving complex problems, analysis, synthesis and design.

Examination Process mainly consists of three phases, namely, Pre-examination process, Examination process and Post Examination process. All these processes shall be carried out with highest integrity and transparency. These processes are audited by external peer team constituted by Visvesvaraya Technological University, Belagavi.



Dr Rohan Pinto
Controller of Examinations
Ph:0824-2868161
Email: coe@sjec.ac.in

National Service Scheme (NSS)

The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports. It provides opportunity to the student youth of 11th and 12th Class of schools and student youth of Technical Institution, Graduate & Post Graduate at colleges and University level of India to take part in various government led community service activities

and programmes. The sole aim of the NSS is to provide hands on experience to young students in delivering community service.

At SJEC, the NSS club along with the Youth Red cross organizes a number of events to serve the community. Planting of the saplings, Swachatha Abhiyan, Flood relief funds and Annual NSS Camps are some of the activities conducted by the club.

The National Cadet Corps (NCC)

SJEC has Air Wing, Army Wing and Naval Wing Unit of NCC. The National Cadet Corps (NCC) is a youth development movement. The NCC provides opportunities to the youth of the country for their all-round development with a sense of Duty, Commitment, Dedication, Discipline and Moral Values so that they become able leaders and useful citizens. The NCC provides exposure to the cadets in a wide range of activities with a distinct emphasis on Social Services, Discipline and Adventure Training.

Aim of NCC:

- To develop character, commandership, discipline, leadership, secular outlook, spirit of adventure and the ideals of selfless service amongst the youth of the country.

- To create a human resource of organized, trained and motivated youth to provide leadership in all walks of life and always available for the service of the nation.
- To provide a suitable environment to motivate the youth to take up a career in the Armed Forces.



Benefits of NCC:

- Opportunity to attend many National level camps.
- NCC "C" certificate holder has an advantage in the Recruitment drive held by the services.



Motto of NCC
"Unity and Discipline"

Significant Features

CO-CURRICULAR AND EXTRACURRICULAR ACTIVITIES

For the all round personality development of students, the college provides forums like; NSS, Red Cross, AICUF, Human Rights Club, & Department Associations like EELS, IEEE, Prodigy, Genesis, Cipher, ISTE, Torque, Intaglio, Technocrats, Industry Interaction Cell, Innovation Club, Entrepreneurship Development Cell, Gavel Club, Nirman, Nexus, Epsilon, ChemAtom and Sigmaths.

HOSTELS

SJEC hostels are a second home for more than 950 students. The hostels are secure and comfortable residential complexes, with a wide array of amenities, aimed at providing students with an ambience that is conducive for academics and self-growth.

AC and Non-AC hostels, with single and

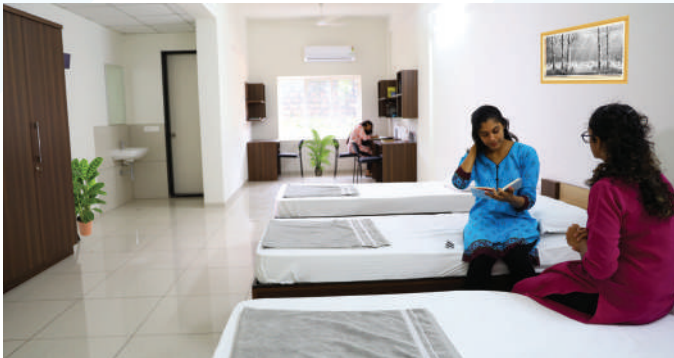
multi-occupancies, are available for both boys and girls. The hostels have exclusive study halls, indoor sports facilities, and well-equipped gymnasiums. The hostels serve nutritious food and have both vegetarian and non-vegetarian mess halls. The hostel blocks are equipped with Wi-Fi facilities and students have access to the internet for all their needs. Laundry facilities are also arranged in-house for students. The hostels are managed by teams of Warden and Assistant Wardens who reside in the hostels. **For more details contact: Gents Hostel - 0824-2868130, +91 99019 34484 / Ladies Hostel: 0824-2868160, +91 91486 69093.**

DISPENSARY AND COUNSELING CENTRE

The Counselling services in St Joseph Engineering College are a part of the academic requirements of VTU-Belgaum.

The College houses a well-equipped Dispensary to attend to the medical needs of students, staff, and all other inmates of the campus. A Campus Doctor is available round the Clock and resides in the Campus. The Dispensary houses a Consultation Room, Treatment Room, and Nursing Counter. Nursing staff are available round the clock to attend to all requirements of campus inmates.

All hospitalization cases are referred to Father Muller Medical College and Hospital, a sister concern of the College.





TRANSPORT FACILITY

The College provides bus facilities for the students with a fleet of well maintained buses which ply to and from Puttur, Kinnigoli, Alangar, Deralakatte and Mangaluru City. **For more details contact: 0824 -2868157.**

VEG AND NON-VEG CANTEEN

The canteen at SJEC is known for its student friendly environment. It provides a wide variety of delicacies to cater to the tastes of each individual. There are separate sections for vegetarians and non-vegetarians. It can accommodate nearly 250 students at a time.

CENTRAL COMPUTER CENTRE

The Central Computer Center (CCC) is the nerve center of campus wide network. The Department has a wide combination of high configured equipment's to distribute the internet effectively and securely throughout the campus. The Department possesses 2 Gbps leased line support at its core to distribute the quality bandwidth to the users in the campus. CCC provides facilities for internet browsing, basic

computing etc. Around 100 high configured Wi-Fi devices are used to distribute the internet remotely to the users along with the wired connections. The Department also provides the services to the campus surveillance system by using around 300 CCTV cameras synchronized with high definition storage.

BANK

The campus houses a branch of Punjab National Bank for the banking needs of students, faculty and the institution.

STATIONERY CENTRE

A well equipped stationery shop is present in the campus to meet the needs of everyone in the campus.

CAMPUS CHAPEL

The campus houses St Pio Chapel to meet the spiritual needs of the campus christian inhabitants.



Life at SJEC





Celebrating

Silver Jubilee

25 Years of Growth, Grace, & Gratitude!



ST JOSEPH ENGINEERING COLLEGE

An Autonomous Institution

Vamanjoor, Mangaluru - 575 028, Karnataka, India

Ph: 91-824- 2263753 / 54 / 55 / 2868100 | E-mail: sjec@sjec.ac.in | Website: www.sjec.ac.in

For Admission: +91 99729 32972 / +91 99726 95974 / +91-824-2868155 / 106
admissions@sjec.ac.in | office@sjec.ac.in

KRLMPCA (Website: www.kmca.info)

CET Code: E 129 (Website: www.kea.kar.nic.in)