DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

About The Institute

Srinivas Institute of Technology (SIT) was established in 2006 with the aim of producing world class technology graduates tuned to the demands of a fast changing global village. SIT has gained the name as the best, self financed, engineering college in Karnataka in terms of infrastructural facilities. Srinivas Institute of Technology (SIT) is a unit of Srinivas Group of Colleges, Mangalore and is affiliated to Visvesvaraya Technological University (VTU), Belgaum and recognized by the All India Council for Technical Education (AICTE), New Delhi. The Institute is located at Srinivas Campus in Valachil. The college has taken steps to develop the 25 acre campus as a Green Campus with an Eco-friendly environment.

About SIT ECE Department

The Department of ECE,SIT (Affliliated to VTU, Belgavi) was established in 2006 with a vision to become a Centre of Excellence in Electronics and Communication Engineering imparting quality education and research, responsive to the needs of industry and Society. The department has highly qualified and accomplished faculty with a drive to equip students with sound technical knowledge and skills that enable them to confidently step out and excel in their career. The department offers BE Program, M.Tech program in Digital Electronics and Ph.D Programme.

Department Vision

To be a centre of excellence in Electronics and Communication Engineering with quality education and research, responsive to the needs of industry and society.

Department Mission

➢ To achieve academic excellence through innovative teaching-learning practice.

➢ To inculcate the spirit of innovation, creativity and research.

➢ To enhance employability through skill development and industry-institute interaction.

➢ To develop professionals with ethical values and social responsibilities.

Scope and Opportunities in ECE

Electronics and Communication Engineering (ECE) is considered as the backbone of the modern day world and today Technology rules our life. The department fosters growth in specific domain, equipping the students to make a career in thrust areas like Internet of Things(IoT), Artificial Intelligence (AI), Machine Learning (ML), VLSI, Signal Processing, MEMS, Nanotechnology Telecommunications, Electronic and Hardware manufacturing, Embedded Systems, Software development, Power sector, Networking, Protocols development, Optical Communications Development and many more.

ECE graduates have the Job Profiles like Design Engineer, ASIC Engineer, Embedded Engineer, Network Support Engineer, Software Engineer, Hardware Engineer, Quality Analyst, Technician, ECE engineering Consultant, Data Analyst, Data Scientist, System Engineer, Physical Design Engineer.

Department Facilities/Training/Internships:

➢ The department provides state of the art lab facilities for running lab-associated courses for undergraduate/postgraduate/research programs in the following areas: Analog /Digital circuits, Linear Integrated circuits, Digital

Communication, DSP, Microcontrollers, Embedded System, Computer Network, Microprocessor, VLSI providing a great learning platform for the intrigued and curious minds.

➢ The Department maintains active collaboration with industries for student internships and major project works, hands-on training workshops on latest hardwares and softwares, collaborative research and product development and technology transfer.

➢ With the aim of creating technically sound engineers who can establish themselves in the industry and Global market, the Institute started *"Dr. CA A. Raghavendra Rao Center of Excellence"* in association with Ethnotech Academy. ECE students are trained in the International Certificate Programs on Web Programming, Microsoft Azure, Cyber security, Internet of Things, AWS Cloud, Machine Learning, Block chain, Robotic Process Automation and many more. These programs are certified from Microsoft, AWS, CISCO, Intel, Pearson, Autodesk, Adobe etc. ECE students have to complete one "International Certificate Program" in each semester.

➢ *"Soft Skill Training Program"* for 5 Days are conducted in association with '10 Seconds' to train the students to solve the Aptitude and Reasoning tests in the campus placements.

➢ The prefinal students have a practical exposure by working on *Mini projects* to understand the practical aspects of what the curriculum teaches them. Also students are encouraged to do the certification courses in 'Coursera', 'Infosys Springboard' and 'NPTEL'. In the final year, students are required to do the major project and present their work in International Conference and publish the papers in the reputed Journals.

Placement Activities

The department is well supported by the institute placement team. Students are provided with opportunities for Internships, Placements, Pre-placement offers (PPO) in core companies and ITES. The Department has an excellent placement track record where various companies offer attractive salary packages. Every year, more than 180 companies come for placements in SIT. In the academic year 2021-22, 38 students of the ECE department got 64 job offers. The salary package was ranging from 3 lakhs to 7 lakhs. In this academic year, more than 50% of students got placements. Major recruiters are Infosys, TCS, Wipro, iWave, SLK,

Robosoft, Sonata, Novigo, Tech Mahindra, Invenger, Bosch, Deloitte, Codecraft Technologies and many more.

Department Association Activites

➢ The department activities aims at training the students, and providing them a holistic development,   in the form of various activities incuded in their academia.

➢ The department has a dedicated student forum '**STEADY**' which aims at igniting the students' talents in technical and cultural areas by conducting competitions, Technical talks, seminar and quiz. The association conducts programs during the college events of Prathibha, Envision, Altius, College Day etc.

➢ The college has dedicated clubs to increase the students' logical, sequential thinking skills. One such club is '*Team Spectrum'* where our students cluster together to design and build robots. The team participated in National level events and hosted events like *Robo Sumo, RC racing and Robo Soccer.*

➢ The department also hosted a International Conference "Technology for Industry 4.0 Revolution" to give a platform for students to showcase their research and project work.

➢ Students are also motivated to do the *Social Outreach programs*. To bridge the gap between department and aluminis, alumni are invited for various technical talks and chief guests for different programs. To promote entrepreneurship, students are made to work in the department startup company 'SHREEM Technologies'.

> *The department will continue to excel moving towards our vision to be recognized as a benchmark and trend setter in Electronics and Communication Engineering domain keeping in phase with rapidly changing technologies through effective partnership with research organizations, industries and community.*