



SHIRDI SAI ENGINEERING COLLEGE

An ISO 9001:2000 Certified Institution

Anekal, Bangalore



| INSTITUTION PROFILE |

VISION MISSION



MJF.Ln.Leo.Muthu
Chairman

our philosophy & guiding principles

Our Mission

We dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical Education. To this end, we will pursue continuous development of infrastructure and enhance state-of-the art equipment to provide our students a technologically up-to-date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and inculcate in them ethical and moral values.

Our Vision

To emerge as a "Centre for excellence" offering Technical Education and Research Opportunities of very high standards to students, develop the total personality of the individual, and instill high levels of discipline and strive to set global standards, making our students technologically superior and ethically strong, who in turn shall contribute to the advancement of society and humankind.

Quality Policy

We at Shirdi Sai Engineering College are committed to build a better nation through Quality Education with team spirit. Our students are enabled to excel in all values of Life and become Good Citizens. We continually improve the System, Infrastructure and Services to satisfy the Students, Parents, Industry and Society.

MJF.Ln.Leo.Muthu, *Chairman*



Welcome to Shirdi Sai

Shirdi Sai Engg. College was established in the year 1997 by well-known philanthropist MJF.Ln.Leo.Muthu, Chairman, Sri Sairam Group of Institutions and is managed by Sapthagiri Educational & Charitable Trust. Now the Institution has successfully stepped into its 10th Year with all pride.

Located just 40 kms away from Bangalore city, Shirdi Sai Engineering College is an inspirational place to study which offers a modern, flexible space in which everything from classrooms to laboratories, library to auditorium, hostels to cafeteria is state-of-the-art. The labs and other facilities, are amongst the best in the region, making it the one of the most sought institution by parents and students alike. The ultra-modern computer labs with latest software and hardware make it a learning haven for IT enthusiasts. Teaching rooms and work areas are well furnished and equipped with modern, up-to-date facilities to ensure that you study and work in a high quality learning environment.

The prime focus of the institution is to enlighten the technical knowledge of the students with quality education. A highly qualified and dedicated team of faculty members are striving to bring out the best academic performance from the students. The results are very much encouraging. The college has been awarded the ISO 9001:2000 Certification.

At Shirdi Sai Engineering College, we will ensure that as your knowledge in your field of engineering grows, you will also develop skills which employers value most - analytical, problem-solving, communication, presentation and negotiation skills. In fact, everything you will need to make a useful contribution in your chosen career.

We look forward to welcoming you to our College and wish you every success in the course of your choice.



Dr.T.V.Govindaraju
Principal

Courses Offered

Shirdi Sai Engineering College is approved by AICTE, New Delhi, Government of Karnataka and affiliated to Visveswaraya Technological University, Belgaum

- B.E. Computer Science & Engg.
- B.E. Electronics & Communication Engg.
- B.E. Electrical & Electronics Engg.
- B.E. Mechanical Engg.

Eligibility

Candidates should have passed the Second Pre-university or XII standard or equivalent examinations with Physics and Mathematics as compulsory subjects, along with one of the following subjects: Chemistry / Biology / Electronics in respect of Engineering and Technology courses and has secured not less than 45% of the aggregate marks in the optional subjects with English as one of the Languages or as revised by the All India Council for Technical Education from time to time

Admissions as per Govt. of Karnataka norms. For Further details please contact our Admin Office or mail us at admissions@shirdisaiengg.com





training & placement



In today's highly competitive environment, mere academic performance may not be good enough to get oneself a good job. Recruiters across the world tend to look for a combination of good academic performance and excellent soft skills. At Shirdi Sai Engineering College, we have a full-fledged Training & Placement Cell (TPC) and Entrepreneurship Development Cell.

The TPC makes an earnest attempt to help students develop their soft skills (communication skills) and thus increase their employability. The TPC organizes special training programmes and workshops on a regular basis that focus on interviewing techniques, career development and psychometric testing.

In order to cater to the needs of the students from rural background, the TPC adopts several innovative teaching methods for imparting communication skills and developing language proficiency of the students.

The active placement cell keeps in touch with prospective employers and organizes campus interviews. Our Placement Cell is also in constant touch with various industries to enable the students to associate with them for project work, in-plant training, placements etc. A committee involving faculty members has been formed to improve the Institution-Industry relationship.

The Department of Training, Counseling and Placement enriches the skills of students to cater to the requirements of Industries and to take up Technical and Professional responsibilities. Department conducts Career Guidance Program, Personality Development Program to make the transition smooth for the students. Students are given Psychometric test, Group Discussions and Mock Interviews to face the challenges in the job scenario.

Both on campus and off campus interviews are being organised to help our students to secure placements in reputed companies. Given below is a list of some of the reputed companies where SSEC students are placed

- Accenture
- American Megatrends
- Autoliv IFB
- BFW
- Caritor India
- Exide Batteries
- IBM
- Infosys
- Integra
- L & T Emsys
- L & T Infotech
- Mphasis
- Satyam
- Sonata
- Tech Mahindra
- Titan
- Toyota Kirloskar
- Wipro

For further details please mail us at:
placement@shirdisaiengg.com

Infrastructure & Facilities

The college campus that spreads over 50 acres in a beautiful and serene atmosphere is an ideal place for technical education. This non-profitable and non-minority institution that has spawned seven successful batches of Engineers is functioning at its permanent building with a built-up area of 1,50,000 Sq. ft at Anekal, Bangalore. The college has spacious classrooms, well-equipped laboratories, state-of-the-art computer centers, spacious drawing halls and a huge Administrative Block. The infrastructure and facilities available on campus are amongst the very best. The college has high-speed internet connectivity and the campus is wi-fi enabled. It is a wholly self-contained campus comprising of everything that students on campus would ever require. Come; see it to believe it.



Serene atmosphere

The college campus situated in a calm and quiet locale, with its beautifully landscaped and carefully tended gardens, provides an ideal environment for a congenial learning experience.

Laboratories

The Laboratory and Workshops are well equipped with all necessary facilities and is comparable with the best. The state-of-the-art computer laboratory is a pride of the college.

Library

The fully computerized Central Library housed in a spacious area has a vast collection of text-books, Reference Books and Study material. Besides the Library also has a Magazines & Journals section that provides access to some of the leading technical and non-technical journals. Presently, the library stacks more than 15,000 volumes and reference books. The Central Library is kept open for all students till 9 p.m.

Hostel

Separate hostel facilities for both Boys and Girls with spacious rooms and all necessary infrastructure is available within the college campus. Arrangements have been made to serve delicious, hygienic & nutritious food.

Transport

Our fleet of buses covers all corners of Bangalore city and Hosur. Also, our college has organised KSRTC bus facilities to our College campus at very short intervals during the starting and ending hours of the college. Railway service is available from Bangalore City Station to Anekal Town during morning and evening hours.

ELECTRICAL & ELECTRONICS ENGINEERING

Electrical engineers generally design, develop, test, and supervise the manufacture of electrical equipment. Some of the equipments include electric motors; machinery controls, lighting, and wiring in buildings; radar and navigation systems; power-generation, controlling and transmission devices used by electric utilities. Electrical engineering focuses on the generation and supply of Electrical power, whereas electronics engineering is the application of electricity to control systems or signal processing. Electrical & Electronics engineers specialize in areas such as power systems engineering or electrical equipment manufacturing, signal processing and control systems.

job opportunities

Obtaining an engineering degree in Electrical & Electronics Engineering will open the door to many opportunities. In today's high-tech world, this engineering degree is a great foundation for careers in traditional engineering fields as well as for careers in management, sales, government, medicine, research, teaching, and more. A recent survey conducted by the Association of Electrical Engineers says that by 2010 there will be a requirement of more than 1,00,000 EEE graduates every year in India alone.

about the department

The department offers a stimulating environment for its students to do their project work and to identify and seek solutions to the problems of industries. A student passing out of this department will have the ability to build, motivate and lead project teams effectively and will have the confidence to solve complex technical problems and organizational issues. Laboratories are well-equipped with all the latest equipments as per the syllabus.

faculty

The department has a team of highly experienced staff with good number of years of experience in teaching, industry and R&D activities in related areas.

labs - infrastructure

- Analog Electronics Lab ▪ Digital Electronics Lab
- Microprocessor Lab ▪ Machines Lab ▪ Circuits & Measurements Lab
- Transformer Indication Machines Lab ▪ Power Electronics Lab
- Control Systems Lab ▪ Relay and high voltage Lab
- Power system stimulation Lab





COMPUTER SCIENCE & ENGINEERING

job opportunities

This is an exciting time for Computer engineers. Much of this excitement is due to the dramatic pace at which the industry is growing. Well-qualified IT professionals are in great demand both in India and abroad. Major IT companies such as TCS, CTS, Infosys, Wipro are on a talent hunting spree. They are hiring more engineers now than they have in the past five years or so. The need for IT engineers is growing exponentially and is likely to grow in the future considering the advancements and pace of growth of this sector.

about the department

Lot of importance is given to practical training which lay great stress on "hands on" experience besides a sound theoretical background, particularly in the latest topics. Short term courses and technical lectures by eminent professors and professionals are arranged on a regular basis to broaden the knowledge spectrum of students. The state-of-the-art computer centre has over 300 P-IV computers with the latest hardware and software which provides adequate computer time for all the students. Emphasis is placed on regular attendance, general discipline, conceptual understanding and logical perception.

faculty

The department has highly qualified and experienced faculty to offer both class room teaching and practical instructions. Special attention is bestowed on the project work of final year students.

labs - infrastructure

- Data structure lab • OOps with C++ Lab
- Algorithms Lab • Visual Programming database Lab
- Computer Graphics lab • Network lab
- GI Programming Lab

The potential of Computer Science and Engineering needs no special emphasis. India has become a leader in the field of software development and the industry is growing by leaps and bounds. In today's modern world, computers are everywhere; home computers connected to the world through the internet, ATM's, air traffic control systems and lots more. A computer engineer learns how to design and build such systems. The primary part of this learning process is understanding how computers work and then programming them to make them do what we want. As students of computer science engineering, you will learn how to communicate with computers and how computers communicate with each other.



MECHANICAL ENGINEERING

The profession of Mechanical Engineering, second largest among engineering disciplines, involves the design, analysis, and manufacturing of machines. Central to the profession is the importance of innovation and creating new technologies and products. Mechanical engineers work in teams involved in designing jet engines; automobiles; aircraft and spacecraft; microelectromechanical acceleration and pressure sensors; heating, ventilation, and air conditioning systems; power generation systems; biomedical and biomechanical devices as artificial hip implants; and such integrated mechanical and electronic (mechatronic) systems as robots

Mechanical engineers are employed by small start-ups, multinational corporations, government agencies, national laboratories, consulting firms, and universities. They can work in areas of research, design, manufacturing, sales, quality assurance or management.



job opportunities

Graduates in Mechanical Engineering will find employment opportunities in the diversified branches of the mechanical field. Mechanical engineers are employed in many types of manufacturing, fabrication, research and development, and service industries such as Railways, Aviation, Automobile Industry, Power plants, Manufacturing Industries e.g. Materials, refined metals etc.

about the department

The laboratories and the workshops in the Department give ample opportunities to the students of Mechanical Engineering to gain practical knowledge and hands on experience in the chosen areas. The department focuses on overall development of the students, imparting soft skills through live projects, association activities, industrial visits, seminars, group discussions etc. Value-based education and professional ethics are also included in the curriculum in conformity with the overall mission and vision of our Institution.

faculty

The department has a rare blend of very dynamic youngsters guided by a group of eminent and experienced professors. Faculty members regularly attend many workshops organized by IIT's, IISC, ISTE and other institutions.

labs - infrastructure

- Foundry and forging Lab
- Material Testing Lab
- Mechanical Measurement & Metrology Lab
- CAED / CAD / CAM Lab
- Energy conversion lab
- Heat transfer Lab
- Design Lab
- Fluid Mechanics & Machinery lab



ELECTRONICS & COMMUNICATION ENGINEERING

job opportunities

There is an increasing demand for people with the knowledge and skills to design, build, test and develop electronic products and systems. An electronics engineer can be employed in various public and private sector organizations such as the Indian Telephone Industries, MTNL, National Physical Laboratories, AIR, Civil aviation, and the police wireless departments. Electronics engineers are also absorbed into the entertainment sector, media industry, research establishments and defence organisations. They can also take up teaching and research in engineering colleges in India or abroad.

about the department

The department has well qualified and experienced staff and it continually updates its laboratories with modern facilities. The department conducts various seminars periodically. Various associations are formed related to the department. The students are given different mini-projects in the pre-final year so that their individual ideas can be implemented. The staff and students are encouraged to present technical papers at various colleges and many have won prizes in the face of stiff competitions.

faculty

The department has a rare blend of very dynamic youngsters guided by a group of eminent and experienced professors. Faculty members regularly attend many workshops organized by IIT's, IISC, ISTE and other institutions.

labs - infrastructure

- Analog Electronics lab ▪ Digital Electronics Lab
- Microprocessor Lab ▪ Advanced Microprocessor lab
- Power electronics lab ▪ Digital Signal Processing lab
- VHDL/VLSI Lab ▪ Advanced Communication Lab

Electronics engineers are responsible for developments in a wide range of technologies - from portable digital music players to the hi-tech Global Positioning System (GPS), which can continuously track and help locate anything, anywhere across the globe. Electronics engineers design, develop, test, and supervise the manufacture of electronic equipment such as broadcast and communications systems. Many electronics engineers also work in areas closely related to computers. However, engineers whose work is related exclusively to computer hardware are considered computer hardware engineers. Electronics engineers specialize in areas such as communications, signal processing, and control systems or have a speciality within one of these areas - industrial robot control systems or aviation electronics, for example.



Beyond Class-rooms...

Our educational philosophy has always been to prepare our students for life and leadership. To help them to learn and grow in as many dimensions as possible, Shirdi Sai Engineering College strives to provide its students an environment that is conducive to learning both within the classroom and beyond it. We have always believed in complementing academics with a wide range of extra-curricular programmes, services and activities to enhance the overall educational experience of the students. These events provide the students exposure to a variety of social, cultural, intellectual, recreational and entrepreneurial opportunities and challenges. Such experiences are meant to enrich the lives of students and help them fulfill their potential.

NSS

The NSS unit of our college helps students to understand social obligations to the society. NSS unit organizes blood donation camps, special camps in near by villages. It organizes health awareness programmes and planting of saplings in the college premises for a better environment.



Co-Curricular Activities

- Technical Associations
- ISTE, SAE, CSI, IETE Activities
- Symposiums
- Workshops
- Guest Lectures
- Industrial Visits & Educational Tours
- Personality Development Programmes

Sports

Shirdi Sai Engg. College has a superb range of sports facilities on a beautiful picturesque campus. The quality of sporting facilities is second to none. At Shirdi Sai Engineering College, we are committed to providing opportunities for students to take part in various games and sports and improve their sporting performances to whatever level they desire. We offer a wide range of opportunity for students to participate and compete in a variety of sporting activities at various levels.

Intra-mural sports meet provides opportunity for lots of fun and some friendly and competitive sport!

The Department of Physical Education organizes Inter-Department sports meet for students in various disciplines. Indoor Games like Table Tennis, Carrom, Chess, etc. and outdoor games like Volley Ball, Foot Ball, Cricket, Throw Ball, Badminton, etc. are available at the Campus. Sports field of various activity is of the order of 17,130 Sqm.

Our Students participated in inter-colleges VTU Athletic meets regularly and won many prizes. Our college hosted the VTU inter-collegiate kabaddi tournament for the year 2007-08 and won the runner-up title in the tournament.



COLLEGE BUS ROUTES

ROUTE 1	ROUTE 2	ROUTE 3	ROUTE 4	ROUTE 5	ROUTE 6	ROUTE 7	ROUTE 8	ROUTE 9	ROUTE 10
B.S. Circle, MSR Road, Mathikere, N of Advanced Studies, SSC.	Sunkadakalle, Kottigepalya, Kamakshi Palya Housing Board, Kheja Park Apt.	HAL Main Gate, HAL Hospital, Jeevan Shima Nagar, Thippasandra, Chinnaya Hospital, Mithelpalya	Kannarahalli, Manu Seva nagar, I.T.C. Cox town		Mahalakshipuram, West of Chord Road, Narayana, EST, Rajanagar II Block, Basheem Circle, Rajkumar Road, Sujatha Theatre	Nagarthalli, Moodalapalya, Priyadarshini Layout, Prasanth Nagar, Govindaraj Nagar	Modi Hospital, Shanku Mutt, Basaveshwar Nagar, Pavitra Paradise, West of Chord Road		
Maleshawaram, 15th Cross, Maleshawaram Circle, Link Road, Maleshawaram, Shivaramda Circle, Anandarao Circle	Vijaynagar, Manu's Mandir, Vijaynagar Garage, Atbiguppe BHEL, Mysore Road, circle	Isolation Hospital, Ussor, CMH Road, Indiranagar, BM Sri Circle, New Horizon School, Debanahalli, Last bus stop	Bangalore East Station, Fraser Town, Cole's Park, Benson Town, Contarment Rly. Sta, Bamboo Bazar, St.John's Church	Katriguppa Main Rd, Aaina ind of Rural Development, Vidyapeeta Circle, Shankarag circle, State bank Colony, PES I Grade College, Hanumanthnagar, Bul Temple Road, Ramakrishna Mutt	Dkalpurath, Binny mill, Mysore Circle, Chamaraipet	Vijaynagar, Manu's Mandir, Vijaynagar Garage, Atbiguppe, BHEL, Mysore Road Circle	Vijaynagar, Manu's Mandir, Vijaynagar Garage, Atbiguppe, BHEL, Mysore Circle	Rajajeshwar Ngr, Beml Gate, SBI, Andhra bank, Beml Complex/Food world, R.R.Ngr police Station, Channasandra, Gurukul	
DTE Office, KR circle, Mission Road Entrance, Shanthinagar Entrance, Long ford Road, Hockey Stadium	PESIT, Kamakya Theatre, Devagowda Petrol Bunk, Kadernahalli cross (Sri Adiga Hotel)	Dontur Intermediate Ring Road, Mahendra Show Room, St.John's Auditorium, Kuvemangala Water Tank	Dharamalingam circle, Ussor Lake, RSBM's College, MG Road Junction, Trinity Circle, ACS public school, Viveknagar T.B.S, National Games, N.D.D.S. Bus depot	Graethi Bazar, Basavaraogud, MNK Rao Park, Yedur, NEVK School	Chamaraipet Ram Mandir, KMS circle, Mnavra Circle, Urvashi Theatre	PESIT, Kamakya Theatre, Devagowda Petrol Bunk, Kadernahalli Cross (Sri Adiga Hotel)	PESIT, Kamakya Theatre, Devagowda Petrol Bunk, Kadernahalli Cross (Sri Adiga Hotel)	Vaddinipalya, Maheshwar Ngr arch, Ultrahalli circle, Chakra TV's Show room, Ultrahalli main Road, Chikkasandra, Komraia Brigade Residency, Prathana School, Padmanabha ngr, adiga's hotel	
Corps Military School, Adugodi, The Forum, Hour, Road, Madivala	Kanakapura Circle, J.P.Nagar VI Phase, Bus stop, 15th Cross, J.P.Nagar	St.Francis High School, Jakkasanthi, Agara Lake, HSR Layout		Trust Office, Rajakshmi Kalyana Mantapa, Rajawendr, Temple, Raggudda, Jayadevi Hospital, BTM Layout Water Tank	Wilson Garden, MCO, Adugodi, Hour Road, Chedipost, Madivala	Kanakapura Circle, J.P.Nagar VI Phase, Bus Stop, J.P Nagar, 15th Cross Circle	Subramanyapura, Man Road, Teachers Colony, PSIT, BSK, Bus stop, Sangami Circle, Rajakshmi Kalyana Mantapa, BTM Layout, Water Tank	Banashankari, Bus stop, Sangami Circle, BTM	
Sik Board, Bommanahalli, Chandapura and Agari, Anekal	JD Mara, Bleekuhalli	Sik Board, Bommanahalli	Sik Board, Bommanahalli	Sik Board, Bommanahalli	Sik Board, Bommanahalli	JD Mara, Bleekuhalli	Sik Board, Bommanahalli	Sik Board	Arisele, Hour, Mahugri





SHIRDI SAI ENGINEERING COLLEGE

An ISO 9001:2000 Certified Institution

*Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka &
Affiliated to Visvesvaraya Technological University, Belgaum.*

Anekal, Bangalore

College Campus:

Sai Leo Nagar, Samandhur (PO), Anekal, Bangalore - 562 106.
Tel: +91 - 8110 - 7830221, 7840631 / 32. Fax: +91 - 8110 - 7830355

Administrative Office :

Sapthagiri Educational & Charitable Trust
184/15, 5th Main Road, 4th Block, Jayanagar, Bangalore - 560 011.
Tel: +91 - 80 - 26635623, 22455361. Fax: +91 - 80 - 22451802.

www.shirdisaiengg.com