MJF. LN. LEO MUTHU
Founder Chairman - Sairam Institutions

Sairam
INSTITUTIONS

Opening the doors
of opportunity to **great
engineering
careers!**

ALGORITHM
ANALYSIS
STRATEGY
INNOVATION
SOLVING
STRUCTURE
PROCESS
VISION

DATA
SCIENCE

NAAC

nirf - Innovation
NATIONAL INSTITUTIONAL RANKING
FRAMEWORK IN THE INNOVATION
CATEGORY 2023 among Higher
Education Institutions in India

SRI SAIRAM COLLEGE OF ENGINEERING
TRUTH LOVE PEACE
BENGALURU

Sri
SAIRAM
COLLEGE OF ENGINEERING
An ISO 9001 Certified Institution
ANEKAL, BENGALURU

Approved by the AICTE, New Delhi.

Recognised by the Govt. of Karnataka.

Affiliated to Visvesvaraya Technological
University (VTU), Belagavi.

INSTITUTION PROFILE

MFJ.Lion Leo Muthu
Founder Chairman

Our Philosophy & Guiding Principles
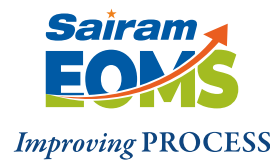
Our Mission

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 enchance state-of-the-art equipment to provide our students a technogically up-to-date and intellectually inspiring environment for 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 to develop the total personality of an individual and instill high levels of discipline and strive to set global standards, making our students technologically superior and ethnically strong, who in turn shall contribute to the advancement of society and humankind.

Quality Policy

We at Sairam College of Engineering 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 infrastructure and services to satisfy the students, parents, industry and society.

VISION 2025

Sairam RAISE
Inspiring PEOPLE

Sairam EOMS
Improving PROCESS

Sairam SDG ACTION PROGRAM
Instilling PURPOSE

PEOPLE + PROCESS + PURPOSE = SUCCESS

Together we can!

Welcome to
Sairam

Dr. Sai Prakash LeoMuthu
CEO & Chairman

Sri Sairam College of Engineering was established in the year 1997 by well known philanthropist MJF. Lion. Leo Muthu Sairam. Group of Institutions is managed by Sapthagiri Educational & Charitable Trust. Sri Sairam College of Engineering is approved by AICTE, New Delhi. Government of Karnataka and affiliated to Visvesvaraya Technological University, Belagavi. The college is accredited by NAAC with B++ Grade. The college has been ranked in NIRF 2023-Innovations category under 150-300 band in India. The college is rated five star for its active contribution in Institution Innovation Council (IIC).

Located in cosmopolitan Bangalore city, Sri Sairam College of Engineering 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 laboratories and other facilities, are amongst the best in the region, making it one of the most sought, after institutions by parents and students alike. The ultra modern computer labs with latest software and hardware make it a learning heaven 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 enhance the technical skills of the students through quality education. A highly qualified and dedicated team of faculty strive to bring out the best academic performance from the students. The results are very much encouraging. The college has been awarded the ISO 9001 Certification.

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

Ragging is prohibited as per the decision of the Supreme Court of India in writ petition No.(c)656/1998. We have taken all kinds of measures to prevent ragging in the campus and hostels. We look forward to welcome you to our College and wish you every success in the course of your choice.

Courses Offered
U.G Programmes

Under-Graduate Course

B.E Computer Science & Engineering.

B.E Electronics & Communication Engineering.

B.E Electrical & Electronics Engineering.

B.E Mechanical Engineering.

B.E Artificial Intelligence & Machine Learning

B.E Information Science & Engineering.

Admissions as per Govt. of Karnataka norms. For further details please contact our Admin Office or mail us at admissions@sairamce.edu.in

Infrastructure & Facilities

The College campus that spreads over 45 acres in a beautiful and serene atmosphere is an ideal place for technical education. This non-profitable and non-minority institution that has spawned many batches of engineers since 2001 and is functioning at its permanent building with a built up area of 2,56,000 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 considering to be the best. The college has highspeed internet connectivity and the campus is wi-fi enabled. It is wholly a self contained campus comprising of everything that students on campus would ever require. All the classrooms of the Institution are equipped with multimedia projected systems to enable faster understanding of concepts.

Serene Atmosphere

The College campus is situated in a calm and quiet location, with its beautifully landscaped and carefully tended gardens, providing an ideal environmental for a congenial learning experience.

Hostel

Separate hostel facilities for both boys and girls are available with spacious rooms equipped with all necessary infrastructure recreational facilities within the college campus. The hostel is Wifi enabled and has Power backup facilities for uninterrupted learning of the hostellers. Exclusive & spacious cafeteria is available to serve delicious, hygienic and nutritious food.

Transport

Our fleet of buses cover all corners of Bengaluru city and Hosur. Also, KSRTC & BMTC bus services are available to our College campus at very short intervals during the starting and ending hours of the college. Railway service is available from Bengaluru city station to Anekal during morning and evening hours.

Laboratories

The laboratories 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 magazines and journals section that provides access to some of the leading technical and non-technical journals. Our Digital section of library has thousands of E-Books and E-Journals which can be easily accessed through our widely covered Wifi network. Presently, the library stacks more than 30,000 volumes and reference books. The Central Library is kept open to for all students till 8 p.m. Each Department is having a departmental library to cater the needs of the students.

Professional engagements

One of the key factors in choosing where and what to study has to be the employment opportunities available after graduation. An engineering degree can give a good start to your career and open a wide range of options for you. But, employers across the world are looking for graduates who are more than just the sum of their paper-based qualifications.

Digital Campus

Sairam Campus is 100% Digital. All major activities of the institution like admissions, academics, administration and placement are completely engaged and monitored digitally

MSME Incubator

Sairam Business Incubator is a recognised MSME Incubator where students / faculty / alumini or any aspiring entrepreneurs shall pitch-in their business ideas and avail funding from MSME upto an extent of Rs. 10 lakhs

Sairam
BUSINESS INCUBATOR
A MSME Business Incubator of
Sri Sairam College of Engineering, Bengaluru

Professional bodies

Sri Sairam college of engineering is efficiently engaged in professional associations with world's largest technical professional societies like IEEE, ISTE, IEI to foster growth amongst the students. Membership with such bodies have proven to promote research & development through highly-cited publication, conferences, professional & education activities. Both faculties & students have such professional membership which has been immensely productive in teaching the application of Science, Engineering & Technology.

Green Initiatives

Sairam campus uses 100% green energy generated out of its 212 kwh rooftop solar power plant for all its energy requirements. The campus is eco-friendly with more than 50% garden area which houses numerous of species of plants and birds. The campus has free bicycle facility for movement of students and staffs within campus.

Other Facilities

Sairam also houses a Seminar Hall with 700 seating capacity, a modern AudioVisual hall named Sir M. Visvesvaraya with 125 seating capacity, 24 hours ATM Banking, stationery shops and cafeteria etc.

Training & Placement
From college campus to corporate corridors...

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, sound technical knowledge and excellent soft skills. At Sri Sairam College of Engineering, we have a vibrant Training and Placement Cell (TPC).
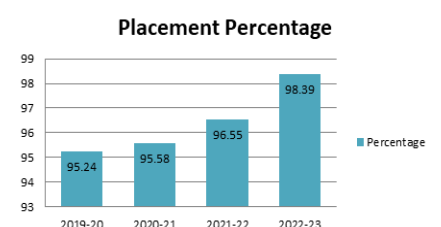

Training & Placements Cell (TPC)

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 regualr basis that focuses on interviewing techniques, career development and psychometric testing.

The cell keeps in touch with prospective employers and organizes campus interviews. The 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 Cell makes a remarkable effort in training our students to improve their skill set and thus to improve their competency level. The Cell provides training to the students from the first year. This helps them become well-equipped before their placement season starts in the seventh semester. The placement cell offers opportunities for students to undergo courses like PEGA to improve their employability. The Cell recently introduced an Extended Technical Skill Development Program, enhancing the students' coding skills. The Cell has MoU with Infosys SpringBoard and other companies to impart knowledge to students. The Cell actively works with the companies like MaFoi, and Firstnaukri to provide career guidance to students. Such companies also help in evaluating the students' competency level.

With the guidance of our college's dynamic management, the Principal and the Heads of the departments, **The sell has achieved 100% in EEE and Mechanical departments** in AY 2022-2023.

Year	Companies Visited
2019-20	60
2020-21	63
2021-22	71
2022-23	79

Placement Percentage

The cell has a dedicated portal where it keeps the students updated about the various campus interviews and training programs. Using this portal, communication is sent to the students through email & SMS's where the students stay connected with the cell without missing any opportunity given by the cell. The cell also provides access to online placement tests round the clock and these tests can be reviewed with self-explained answer keys.

Partial list of companies where our students have been placed

IIP Cell

To take the Industry Institute Interaction to further heights, the TPC has inaugurated its Industry Institute Partnership Cell (IIP cell). The IIP cell has two domains CUNCTUS - Centre for Training Developments and REQUIRO - Center for research and development. It functions under the guidance of a vibrant advisory board consisting of top executives of various MNC's.

Both on campus and off campus interviews are being organized to help our students to secure placements in reputed companies. Given above is a list of some of reputed companies where SSCE students are placed.

IIP Cell Activities

• Organizing industrial visits, educational tours and in-plant training

• Inviting industry experts for guest lectures on latest technological advancements.

• Organizing seminars, symposia, workshops, QIP, FDP, conferences.

• Consultants from industry in framing extended curriculum. Implementing real time projects and joint R & D projects.

• Organizing regular placement programmes.

• Value added programmes for the students and orientation programmes for the faculty.

• Organizing job fairs.

• Interviewing legends from the industry.

Entrepreneurship Development Cell

An independent dedicated Innovation & Entrepreneurship Development Cell (IEDC) has been established in the institution. The IEDC aims at motivating and helping youngsters to look beyond employment opportunities. They expand the availability of jobs, thereby minimizing the nation's anxiety over the rapidly increasing unemployment rate.

Our visionary Founder Sir MJF Ln Leo Muthu always used to encourage our students to be a job provider and not just be a job seeker. To fulfil his vision, Sairam is extending MSME supported Business Incubator called Sairam BI where start-up activities are encouraged. Our students, alumni & faculty are actively engaging themselves in the creating start-ups and Sairam BI is home for many successful start-ups from the institution.

Higher Education Guidance Cell

The centre for higher studies is an integral part of the training and placement cell. The centre for higher studies, as the name suggests aims at providing every possible support to students willing to pursue higher education. The centre establishes contacts with various universities and colleges around the world that offer higher education.

Activities of Higher Education Guidance Cell

• Interfacing with appropriate authorities at the collaborating universities and institutions.

• Promoting new relationship between universities and institutions abroad and to define the scope of such relationship through appropriate Memorandum of Understanding.

• Helps students to prepare for examinations like GATE, TOEFL, GRE, GMAT, CAT etc. Conduct seminars on "Higher Education Abroad" periodically.

• Organizing interactions with professors from other universities and with our alumni who work or study abroad.

INDUSTRY INSTITUTE
PARTNERSHIP CELL

Academic Alliances

talent sprint | futureskills prime | edX | coursera education for everyone | Institutional Member in BITES | Implemented by ICTACADEMY | Skill Development MoU with hiA HOSUR INDUSTRIES ASSOCIATION | Ui Path™

Industry Alliances

Faculty & Students Development Activities

Aricent Engineering the Future | NASSCOM® | AUTODESK. | aws | salesforce

Women Engineer by	Skill Development program by	Cloud,IoT& IT Solutions	Texas Innovation Lab	CoE for Youth Empowerment
Google	ESCORTS	redHat ACADEMY / ORACLE	TEXAS INSTRUMENTS	PayPal

VLCI Center by		Certification by	AZURE Certification by	CoE for Woman Empowerment
Harita	BMW Skill Next Program	Pega	Microsoft	FedEx.

RPA Certification by	Hands on Skill Development program	App Development Program	Certification Courses by
AUTOMATION ANYWHERE Go be great.	TESSOLVE A Hero Electronix Venture	HUAWEI	Infosys Springboard

Training on VMWare Technologies		Training on Networking (Firewall Configuration, Installation and Mangament)	Intel Unnati Lab Scheme
vmware IT ACADEMY	IBM. Academic Initiative	paloalto	Intel® Unnati

Computer Science & Engineering

Computer Science and Engineering (CSE) focuses on the scientific and engineering aspects of computing. The growth of computer technology has resulted in changing the human society over the last decade much more rapidly than our last century. Computer science professionals are in demand in almost every sector across the globe. Studying a Computer Science & Engineering degree will equip you with the skills and knowledge required to step into an exciting, ever-developing industry. We are in a digital age where the growth of computer power has brought miraculous breakthroughs in hardware and software, which have in turn changed global behaviour and culture. Computer Science is responsible for smart phones, tablets, the internet & networked communications, even social media. We live in a society that consumes content – whether it be news, information, entertainment or communication – through screens. We are truly living in a digital age, driven by Computer Science & Engineering. As a result of the digital age, businesses are increasingly relying on software programs to deliver, acquire and transmit data across a multitude of platforms. This trend impacts all industries, from healthcare and banking to transportation and accounting.

Job Opportunities

As Computer Science is used in so many areas of life and business, there are plenty of opportunities available for qualified professionals. The CSE degree will equip a student with wide variety of skills which will help to develop problem-solving, critical thinking and complex analytical abilities. These skills are interchangeable & transferable to many professions, both inside and outside of IT. Variety of specializations and roles for Computer Science & Engineering graduate can be Software Developer, Computer System Analyst, IT Manager, Computer Network Architect, Mobile Application Designer or Developer, Research and Development (R & D) Scientist, Computer Scientist, Computer Science Researcher, Artificial Intelligence & Machine Learning Engineer.

Labs- Infrastructure

- Design and Analysis Algorithm Lab
- Database Management Lab
- Computer Graphics Lab
- Networks Lab
- Operating System and System Software Lab
- Internet Programming Lab
- Programming C with Data Structures -Lab
- Analog and Digital Electronics Lab
- Innovation Lab

About the Department

The Department of Computer Science and Engineering has been successfully functioning since 1997. The department excels in academic performance and also in research activities. The Department has well experienced and dedicated team of faculty to provide quality education to the students. It is well equipped with sufficient quantity of computers and the latest software which has high end systems capable of high-speed data dispensation. The department possesses a library, multimedia, projecting facility and internet facility, which is Wi-Fi enabled. The faculty and students are encouraged to contribute in assorted national and international conferences. To enhance the technical knowledge of students, the department organizes frequent guest lectures, workshops, seminars. The dept has close association with industries, which promotes industrial communication and industrial expeditions that enable the students to grow amidst an industrial environment. The students are encouraged to take up research and industrial projects. The department specific centre for excellence offers scholars to do their research after the completion of their post-graduation degree. The department organises a national level technical symposium, Advaya, every year with different themes. The department also encourages the students to participate in various project exhibitions and also offers internships for students to gain hands-on experience in the field of engineering.

Electrical & Electronics Engineering

Electrical engineers and Electrical Engineering focuses on Design, Development, Manufacturing, Testing and servicing. This core branch of engineering evolves with emerging technologies like IOT & Embedded Systems, AI, Data Science, Cybersecurity Blockchain to cover the wide range of applications areas like Smart systems, EV, automotive electronics, IT, Robotics & Automation, Aerospace, Energy Solutions, Logistics, Utilities, Agriculture, Bio medical &Healthcare. An Electrical & Electronics Engineer specializes in Electronics, Electrical & Computation systems.
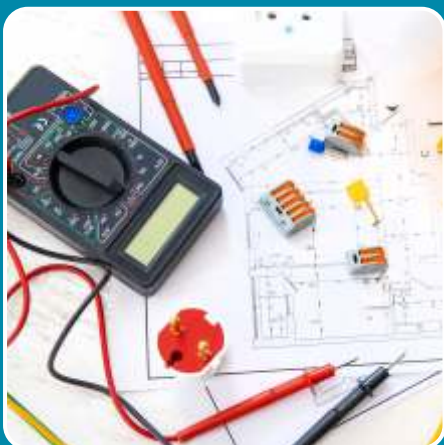
Job Opportunities

Awarding an engineering degree in Electrical & Electronics Engineering will open the door to lucrative 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, academia and more. Placement opportunities are wide for electrical engineers in IT, Electronics, EV, Energy industry, processing industry, telecom, logistics, Government Sector and Public Sector Companies.

Labs- Infrastructure

- Electronics Lab
- Digital Signal Processing Lab
- Microcontroller Lab
- Electrical Machines Lab-I&II
- Circuit simulations & Measurements Lab
- Transformer & Induction Machines Lab
- OP-AMP and Linear IC's Lab

- Control Systems Lab
- Relay and High Voltage Lab
- Power System Simulation Lab
- Solar Skill Lab
- EV Design Lab
- Basic Electrical Lab
- Power Electronics Lab

About the Department

The department believes in Training Internship along with hands on practice for students leading to their successful placement. The dept. offers a stimulating environment for the students to learn syllabi, new skills, content beyond syllabus, building ideas for project work, identifying & seeking solutions for the problems faced by the society and industry. A graduate from 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 and provide an environment to experiment and to do reverse engineering. We believe in building skills and preparing Industry ready students. The department has a team of highly qualified and experienced staff in teaching, R&D and entrepreneurial activities in related areas.

Mechanical Engineering

Mechanical engineering is one of the broadest engineering disciplines. Mechanical engineers design, develop, build, and test. They deal with anything that moves, from components to machines to the human body. The profession of Mechanical Engineering being the second largest among engineering disciplines, involves 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; air crafts and spacecrafts; Microelectromechanical acceleration and pressure sensors; heating, ventilation, and air conditioning systems; biomedical and biomechanical devices as artificial hip implants; and 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

There is tremendous scope for mechanical engineers in automobile engineering, aeronautical, steel, power, heavy engineering, manufacturing, mining, petroleum and cement industries besides process industries and defence. Now-a-days they are also required in the environmental and biomedical fields. There are exciting times ahead for mechanical engineers as transport technologies like Hyperloop, electric vehicles, flying cars, drone technologies, an intelligent system like robots and additive manufacturing including 3D printing are gaining importance. A beginner in Mechanical Engineering can opt for various job openings such as Design Engineer, CAE Analyst, Shop Floor Engineer, Production Planning, Quality Assurance, Maintenance Engineer, Safety Engineer, Production Supervisor/Engineer, R&D Trainee, etc. A Mechanical Engineering student can find job not only in government sectors like ISRO, DRDO, HAL, BEML, BHEL, NAL, BEL, NTPC etc. but also in software as well as in automobile and production industries.

Labs- Infrastructure

- Workshop Practice Lab
- Machine Shop Lab
- Material Testing Lab
- Fluid Mechanics & Machinery Lab
- Foundry & Forging Lab
- Energy Conversion Lab
- Heat Transfer Lab
- Design Lab
- CAED/CAMD Lab
- Modelling & Analysis Lab
- Computer Integrated Manufacturing Lab
- Mechanical Measurements & Metrology Lab

About the Department

Mechanical engineering department was established in the year 1997 with UG program. The department has a rare blend of eminent and experienced professors, state-of-art laboratories and workshops; such workshops form an integral part of the department and give ample opportunities to the students of mechanical engineering to gain practical knowledge and hands on experience in the chosen areas. The department has registered itself with various leading technical societies. Another feature of the department's effort is the continuous development of the personality of the students by imparting soft skills training through live projects, association activities, industrial visits, seminars, group discussions etc. The department also established VLCI (Visionary Learning Community of India) centre in collaboration with Haritha Seating Systems Ltd to bridge the gap between industry & academia. We also have R & D centre for research work approved by VTU.

Salient features of the department

- Excellent infrastructure and state-of-the-art laboratories and workshops.
- Skill-based learning.
- Dedicated and well-qualified faculty.
- International certification courses to enhance the skill sets.
- MOU with leading Industries and training Institutes.
- Established advanced manufacturing lab with 3D Printers and CNC machine.

Electronics & Communication Engineering

The rapid advancement in the field of electronics has resulted in the development of many technologies in the present world. Every Electronics and communication engineer works as a scientist to bring about innovations in different sophisticated consumer products that supports the entire society. Particularly, electronics and communication engineers have been able to achieve the flawless high-speed connectivity in wired or wireless mode of network. Every human being is having access to simple electronics such as pocket FM radio to sophisticated electronics, it has all been possible because of such satellite communication. Electronics and Communication Engineering is both a core subject and a swiftly advancing field, with new ideas emerging every day. From mobile phones to remote sensing, there are exciting avenues to explore. With technology becoming all pervasive in everyday life, opportunities for electronic engineers are plenty.

Job Opportunities

Having a further look at the career prospects, there is a huge demand for competent engineers in electronic industry to cope with the increasing demand in technology. Graduates from Electronics & Communication Engineering can get placed in the field of Electronics in public & private sectors, in the field of communication where they can get into 4G, 5G & 6G technologies, fibre optic communication and satellite communication fields, etc. In addition to these, they have good opportunities in IT sectors and services also. An electronics and communication engineer can work in aviation and avionics, consumer electronics, electricity plant, manufacturing, distribution, communication & telecommunication, computer application, radio & television, analytical equipment manufacturing and offshore industries.

Labs- Infrastructure

- Micro controller Lab
- VLSI Lab
- Power Electronics Lab
- Analog Electronics Circuits Lab
- Advance Communication Lab
- HDL Lab

- DSP Lab
- Digital Electronics Lab
- AICTE-RIFO-MODROBS LAB
- Texas Innovation Lab
- Embedded Controller Lab
- Analog Communication Lab/LIC Lab

About the Department

The Department of Electronics & Communication Engineering at Sri Sairam College of Engineering provides the right atmosphere for the students to excel in academics, research, innovation and in acquiring competitive skills. This blend of knowledge makes the graduates industry compatible who are ready to perform from Day 1 of their career. The Department of ECE in the previous academic year has won the Chattra Vishwakarma award for a project named Medical Droid at AICTE, New Delhi and received Rs 15.0 Lakhs as research funds from reputed funding agencies. The Department is very active in research & innovation and is marching towards NBA accreditation in the current academic year. Faculties and students are members of various technical professional bodies such as IEI, IEEE & IETE. The students of ECE Department are guided by a team of devoted and diligent staff members who can make substantial contribution to the field of Electronics & Communication Engineering. In order to inculcate R&D among students, the department encourages the students to implement innovative ideas in their project works.

Artificial Intelligence & Machine Learning

Data and information have created a transitional impact on research and industry in the past couple of decades. We have more industries and companies relaying on data for optimizing resources and increasing their outputs. In this information era with a vast abundance of data and a demand to improve the quality of life in every way possible, artificial intelligence and machine learning has proven to play a prominent role in shaping these demands into products, services, and intelligence. There has been enhanced advancements in the applications of Machine learning and Neural Network across a wide number of fields like Speech Technology, Computer Vision, Natural Language Processing, Robotics etc. The advancements in all these domains together created a transition from information systems intelligent systems. Artificial Intelligence and Machine learning is a trending word in the global economic market with almost all fields of business wanting to adopt artificial intelligence and machine learning to make smarter business and products. Data/information is a crucial aspect in AI systems, but the application of data science is not confined to AI systems alone. It is widely used in Business analytics, Sports, and Health care sector.

Job Opportunities

Career opportunities for Artificial Intelligence and Machine learning have escalated recently due to its surging demands in industries. Employers need AI & ML talent to fulfil the company's ever-evolving smart technological requirements. Abundant AI career opportunities are present owing to wide applications in different fields. Some major company hiring AI Engineers are Tesla, NVIDIA, Microsoft, IBM, Accenture, Facebook, Intel, Samsung, Amazon. The following are the opportunities for students of AI&ML:

- Big Data Engineer
- Business Intelligence Developer
- Data Scientist
- Data Analyst
- Machine Learning Engineer

- Research Scientist
- AI Data Analyst
- Product Manager
- AI Engineer
- Robotics Scientist

Labs- Infrastructure

- Design and Analysis Algorithm Lab
- Database Management Lab
- Computer Graphics Lab
- Networks Lab
- Operating System and System Software Lab
- Internet Programming Lab
- Programming C with Data Structures -Lab
- Analog and Digital Electronics Lab
- Innovation Lab

About the Department

The department of Artificial Intelligence & Machine Learning is established with a vision of creating centre of excellence for training students and conducting research in the fields of Artificial Intelligence & Machine Learning. The department aims to train the student to be became leaders in AI & ML. The dept provides excellent infrastructure, brilliant curriculum and comprehensive hands-on experience through various interactive programs. The goal of the department is to foster academic excellence within students for wide industrial exposure, further research and outstanding career opportunities. The department follows a carefully crafted curriculum with the updated technological advancements. Students will up skill through Programming and industry-based learning, Project-based learning and Innovative programs. Students can grow amidst state-of-art infrastructure, innovation hub, and research facilities. Industrial visits and research training are frequently organised for the students to reinforce their learning in every semester. There are facilities for Innovation, Incubation and Entrepreneurship. Course delivery is done through real world applications.

Information Science & Engg.

Information Science and Engineering provides an intellectual framework of knowledge in Hardware, Software, Computation and the Information Sciences to integrate and transform disciplines provide solutions to real-time problems. This programme is specifically designed to meet the requirements of industry. Its graduates are expected to become important players in the future of Information Technology. The curriculum is designed to provide both technical and practical knowledge in the field of Information Science & Engineering and its application. Information technology is used in every sphere of life like education, communication, business, commerce, treatment, banking, etc. Businesses are investing heavily in new technological trends and also offering the chance to operate more effectively through the application of information technology.

Job Opportunities

Information Science & Engineering is one of the most demanding courses under the IT sector. Student can find a job in top IT/MNC companies like IBM, Oracle, Infosys, and Google. After this course student can work as a system engineer, junior programmer, web developer, system administrator, Cyber Security Professional, Full Stack Developer, IOT Engineer, Block Chain Engineer, Dev Ops Engineer, Product Managers, Programmer. Employment in computer and information technology occupations is projected to grow 13 percent from 2020 to 2030, faster than the average of all occupations. These occupations are projected to add about 667,600 new jobs. This course can get jobs in the Information sector, Education sector, Government sector, Banking sector. Few companies which hire Information Science and Engineering students are BHEL, Tata Elxsi, Qualcomm, ASUS, Alcatel, BSNL, Airtel, Vodafone. Various job designations for Information Engineers are Programmers, PHP Developer, Oracle PL/SQL Developer, Quality Analyst, IT Specialists, Technology Engineer, Technical Consultant. The salary of an entry-level information science engineer ranges from INR 7 - 10 LPA.

Labs- Infrastructure

- Design and Analysis Algorithm Lab
- Database Management Lab
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- Programming C with Data Structures -Lab
- Analog and Digital Electronics Lab
- Innovation Lab

About the Department

The Department of Information Science and Engineering (ISE) has been established with an objective of producing high quality professionals to meet the demands of the emerging field of Information Technology. The department is committed to provide quality education and comprehensive education nurturing the principles and practices of modern technology and its application. ISE program provides students a solid foundation in the fundamentals of information science and engineering, including programming, algorithms, data structures, databases, networking, and security. Our graduate program focuses on advanced topics in information science and engineering, including artificial intelligence, machine learning, data analytics, and cybersecurity. The dept has dedicated computer labs for students and faculty. The department stands strong with a team of dedicated and experienced faculty members who are experts in teaching artificial intelligence, machine learning, data analytics, cybersecurity, web designing and more. The department also provides various activities like industrial visits, co-curricular activities, sports, research projects often interdisciplinary in nature. Extended learning Programs {ELP) to know and learn beyond the syllabus. The department encourages its students to involve in club activities and organizations related to information science and engineering, such as coding clubs, hackathons, cybersecurity competitions & web designing. The department also offers internships for students to gain hands-on experience in the field of engineering.

Science & Humanities

Armed with the vision to quench the inquisitive minds of aspiring technocrats and spurred on by the mission to impart life skills coupled with technical skills using innovative and interesting methods of teaching, the department of science and humanities have striven hard to realize the educational goals of the institution. At the core of this intellectual endeavour has been the mytiad contribution of a team of dedicated and committed professionals. Driven by the zeal to enrich the repository of knowledge, the research oriented faculty members incessantly participate in various workshops and seminars that are a part of our faculty development programme. Equipped with a doctoral degree many members of this department are richly contributing to the enhancement of scientific ideas.

Department of Mathematics

Mathematical skills form the crux of scientific and engineering courses as they sharpen the computational abilities and harness the analytical capabilities of aspiring engineering graduates. It is with this perspective that students are motivated to carve a niche for themselves by gaining exposure to different areas of mathematics namely Transform techniques, Numerical methods, Boundary value problems etc. which serve as a fundamental tool for specialized students and research in several engineering fields. Seminars, quiz programmes and paper presentation. contests are some of the areas that students are exhorted to participate in.

Department of Physics

With the basic motive to enhance the cognitive domain and nourish modern technological aspects of physics in seekers of technical competence, the students work in an ambience rich in resources and infrastructural facilities. The Physics laboratory has an ambience that promotes advanced level experiments like laser and optical fibre and enables students to get hands-on training with a view to strengthen their knowledge. Emphasis is laid on grooming all round personalities by involving them in projects that require acumen and skill.

Department of Chemistry

A spacious, well-equipped and ventilated laboratory caters to the learning and development of students. Individual chemical kits are provided and the accent is on stimulating enterprising ideas that can be transformed to reality. A research laboratory in the field of corrosion and. catalysis is underway and apart from focusing on rocket, propellants, chemical toxicology and environmental pollution, the members of the staff have also been associated with various professional journals that have published their cogent articles.

English Language Laboratory

A modern language laboratory installed with sophisticated hardware and software caters to the needs of the students desirous of taking up various qualifying tests like the GRE, TOEFL, CAT and GMAT. The multimedia lab facilitates individual learning, promoting learner independence and instilling confidence in students who acquire rich linguistic expertise at their own pace. Apart from strengthening communication skills, the language lab also enables students to excel in various co-curricular and extra-curricular competitions conducted regularly by other institutions. Students are also taught phonetics to foster expertise in English pronunciation. Furthermore, the students also continually trained to master professional writing skills in English

Beyond Classroom

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, Sri Sairam College of Engineering 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 programs and activities to enhance the overall educational experience of the students. These events nurture the students by giving them exposure to a variety of cultural, intellectual, recreational, entrepreneurial opportunities and challenges. Such experiences are meant to enrich the lives of students and help them to enhance their potential.

National Cadet Corps

NCC of Sri Sairam College of Engineering started in 2021 is attached to 8 KARNATAKA BATTALION NCC BENGALURU "B" GROUP, Karnataka & Goa Directorate and has SD & SW cadets. NCC has stood as the foremost co-curricular activity in Sairam that fosters the overall development of each of its cadets.

Unnat Bharat Abhiyan

As foreseen by Gandhi Ji, in his seminal work, 'Hind Swaraj', the western developmental paradigm, based on centralized technologies and urbanization, has given rise to serious problems like increasing inequity (leading to crime and violence), and climate change due to rapid ecological degradation. To ameliorate these problems, it is necessary to promote development of rural areas in tune with Gandhian vision of self-sufficient 'village republics', based on local resources and using decentralized, eco-friendly technologies so that the basic needs of food, clothing, shelter, sanitation, health care, energy, livelihood, transportation, and education are locally met. This should be the vision of holistic development of villages

National Service Scheme

The NSS unit of our college helps students to understand social obligations. NSS unit organizes blood donation camps, Special camps at near by. villages. It organizes health awareness programs and planting of saplings in the college premises for a better. environment. The unit organize events like trekking. passport mela, Driving licence mela, PAN Card mela in association with concern authorities which helps the students community and also contributes for their personality development.

Sports

Sri Sairam college of Engineering has a superb range of sports facilities across its beautiful picturesque campus. At Sri Sairam College of Engineering, we are committed to provide. 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 across the country.

During 2022, the college has bagged Rs. 1 lakh cash award along with 5th Position in the Visvesvaraya Technological University Affiliated Engineering colleges in the state of Karnataka for its excellence in sports activities at university level.

Sports Facilities

Outdoor:
- Archery (M&W)
- Volleyball
- Football
- Cricket
- Kabaddi (M&W)
- Kho kho
- Throwball(W)

- Handball
- Throwball(W)
- Handball
- Ball Badminton (M&W)
- Athletics (M&W)
- Hockey

Indoor:
- Shuttle Badminton (M&W)
- Table Tennis (M&W)
- Chess (M&W)
- Carrom (M&W)
- Multi Gym.

Culturals & College Day

Every year the college's cultural club Sai Samskruthi conducts theme based cultural events which are aimed towards spreading awareness and attracting the attention of the student community towards socially relevant issues. This serves as a platform for our students to exhibit their extra-curricular talents. Our students have won various prizes in state and national level events in the cultural arena. Our students have also been awarded as winners in various events organised during VTU Youth fest.

Ratings and Rankings

OUTLOOK	5th PLACE IN BENGALURU	10th PLACE IN KARANATAKA	58th PLACE IN INDIA
THE WEEK	12th PLACE IN BENGALURU	19th PLACE IN KARANATAKA	105th PLACE IN INDIA
INDIA TODAY	8th PLACE IN BENGALURU	12th PLACE IN KARANATAKA	58th PLACE IN INDIA
THE TIMES OF INDIA	8th PLACE IN BENGALURU	12th PLACE IN KARANATAKA	74rd PLACE IN INDIA

The students of this institution have been consistently bagging excellent scores in the University Examinations. Our students have secured Top ranks in the university including Gold Medals. The Performance of a student in the examinations is not the sole criterion of the quality of education acquired. Nevertheless, it is an important indication of the effectiveness of the academic inputs, besides, many of our students have also brought laurels to the institution through various commendable performances. The institution is ranked among the top 300 institutions in the country by NIRF2023-Innovation by the Ministry of Education.

Sri Sairam College of Engineering is been rated as one of the top 10 Engineering Colleges in Bengaluru and one of the Top 15 Engineering Colleges in Karnataka by highly reputed magazines.

SHRI. LEO MUTHU SCHOLARSHIP
Nurturing talent... Transforming future generations...

MERIT SCHOLARSHIPS
Encouraging Talent !

LEO MUTHU MERIT SCHOLARSHIP- Encouraging Talent! is an initiative of Sairam group of institutions in memory of our beloved Founder Chairman, Late. Shri. MJF. Ln. Leo Muthu to encourage student's upward academic performance to help talented and financially backward students. There are different categories of scholarships offered to students at various levels like LMS-Admission scholarship: for meritorious students joining the institution based on the performance in 2nd PUC or any equivalent examinations during first-year admission, LMS- Academic Merit scholarships: Academic merit-based scholarships evaluate a student's merit on the basis of their academic performance, LMS-Project Scholarship: for the students participating in national and international project competitions and REAP (Reward for Excellence in Academic Performance) scholarships for students pursuing skill certification program

Institution Innovation

Institution's Innovation Council (IIC) program is initiative of Ministry of Education (MoE) through MoE's Innovation Cell (MIC) in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions. IICs' role is to engage large number of faculty, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized in HEIs.

MoE Innovation Cell

Retrofitted Electric car by 2022 & 2023 batch EEE and MECH students

Sri Leo Muthu Innovation Centre

Steve Jobs quoted "Innovation distinguishes between a leader and a follower". Innovation is becoming an inseparable aspect of today's Engineering Education. To promote and infuse the culture of innovation, the CEO of Sairam Institutions has gifted a 24 hours functioning Sri Leo Muthu Innovation Center to our students which is a multi-disciplinary set-up where the students are encouraged and supported to take up various innovative ideas and convert it to projects. The projects/ prototypes made in this center are having high potential to be converted to Products, such Innovation holds the key for great missions. Lot of encouragement is given to the students & young graduates by the Government to become Entrepreneurs through its initiatives like MAKE IN INDIA. START-UP INDIA, etc. Our Innovations centre performs like a feeder unit for our incubation centre which provides launch pad for aspiring entrepreneurs. The students & faculty of our college have published more than 30 patents over the last few years and that's one indication for the kind of intellectual ability of human resource at Sairam.

Sairam Innovation Eco-system

Sairam Innovation Ecosystem is a comprehensive well-crafted program that encourages indigenous student innovations while lending support for setting up start-ups and incubations. The program is implemented in stages, with the overall objective of converting the student ideas into start-ups and patentable technologies. The program is implemented in four stages namely Immersion Program (generation of idea) at the I Year, Live-in-Lab (Checking the feasibility and enhancing the ideas) at the II Year , Mini Project (prototype development and its testing) at III Year and Project Development (development of final product, filing of patent as applicable and setting up of Start-ups) at the final year. Each stage is implemented through a well-formulated events namely Sairam SDG Ideathon at I Year, Sairam SDG Solveathon at II Year, Sairam SDG Innovathon at III Year and Sairam SDG Inspirethon at IV Year in which all the students are encouraged to actively participate. This ecosystem is implemented right from the first year of under-graduation. The prime highlight of this program is to make students solve the issues enlisted in the United Nations's Sustainable Development Goals program.

SAIRAM family
Our reputation… Your future…

Sairam group of institutions was started in the year 1989 to espouse a noble cause to provide quality education. In the span of just over 3 decades, Sairam group of institution has grown to become one of the most respected and revered group of educational institutions in South India. Today, Sairam group of institutions has become a name synonymous with quality education and has 18 institutions under its umbrella. The painstaking efforts taken by the faculty members for excellence in the performance of students is the key factor in achieving this reputation. Sairam is not just about imparting education, but value-based quality education-a unique blend of academics and moral values. With sprawling campuses spread over several acres of land at different locations, Sairam group houses several institutions offering education in varied fields from primary schooling to post graduation.

Sairam
INSTITUTIONS

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SAI RAM GROUP OF INSTITUTIONS

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SRI SAIRAM PRE-UNIVERSITY COLLEGE	Anekal Bengaluru, Karnataka.	Tel : 080 - 2784 0635	www.sairampuc.edu.in
SRI SAI RAM ENGINEERING COLLEGE	West Tambaram, Chennai - 44.	Tel : 044 - 2251 2222	www.sairam.edu.in
SRI SAI RAM INSTITUTE OF TECHNOLOGY	West Tambaram, Chennai - 44.	Tel : 044 - 2251 2111	www.sairamit.edu.in
SRI SAI RAM INSTITUTE OF MANAGEMENT STUDIES	West Tambaram, Chennai - 44.	Tel : 044 - 2251 2222	www.sims.sairam.edu.in
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SAI RAM VIDYALAYA	Madipakkam, Chennai - 91.	Tel : 044 - 4213 3978	www.sairamschool.edu.in
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SAI RAM MATRICULATION HR. SEC. SCHOOL	Thiruvarur, Thiruvarur Dist.	Tel : 04366- 240 777	www.sairamschool.edu.in
SAI RAM VIDYALAYA	Puducherry, Pondicherry U.T.	Tel : 0413 - 2661 557	www.sairamschool.edu.in

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SAI RAM INSTITUTE OF TECHNOLOGY, West Tambaram, Chennai.