



Annual Report 2023-24

1. Introduction

Sri Sairam College of Engineering formerly Shirdi Sai Engineering College, Bengaluru, established in the year 1997 by MJF. Ln. LeoMuthu, Founder Chairman of Saphthagiri Educational and Charitable Trust, is a non-profitable and non-minority institution. Located within the Bengaluru city limits, Sri Sairam College of Engineering is an inspirational place to study in which everything from classroom to laboratories, hostel to cafeteria is modernized with state-of-the art infrastructure. The labs and other facilities are among the best in the region making it one of the most sought-after institutions by Aspiring engineering students. The Ultra-modern computer labs with latest software and hardware, and techno-visionary innovative center make the institution a learning heaven for enthusiastic young engineering aspirants. ICT enabled classrooms and work areas are well furnished and equipped with modern facilities.

2. Institution Profile

Recognitions:

- Affiliated to Visvesvaraya Technological University, State Technological University, Belagavi.
- Approved by AICTE, and Directorate of Technical Education
- ISO 9001:2015 certified
- Accredited by NBA, NAAC & IEI
- Recognized by UGC with 2(f) status.

Programme Offered:

- Under Graduate – 07 (AIML, CSE, ECE, EEE, ISE, ME, CSE (IoT, Cyber Security with Blockchain Technology))
- Recognized VTU Research Centers for Ph.D. – 04 (CSE, ECE, ME & Chemistry)

Students & Staff Strength:

- Students – 1480+ , Faculty – 87 (Doctorates – 26) , Non Academic Staff - 115

3. Achievements For The Year 2023-24

- ❖ Institution has recognized by National Institutions Ranking Framework (NIRF) 2023 under innovation category in 250 -300 band
- ❖ National Board of Accreditation (NBA) as per Washington accord accredited two of our programs for three years period in January 2024.
- ❖ Department of Computer Science and Engineering
- ❖ Department of Electronics and Communication Engineering

- ❖ Recognized as mentor Institution for 5 technical institutions of Karnataka by Institutions Innovation Council (IIC), an initiative of Ministry of Education, government of India.
- ❖ Received highest rating - 4 stars by Institutions Innovation Council (IIC) for our innovative activities.
- ❖ In Yukti Innovation Challenge 2023, 3 of our Teams shortlisted for the final pitching, Out of 3 teams 1 team awarded 5,00,000/- Grant
- ❖ Careers 360 is rated our college as one of the best engineering colleges of India with AAA rating.
- ❖ The Week magazines T-school ranking survey ranked our institution as 13th Rank in Bengaluru, 20th in Karnataka, 62nd in South Zone, 100th rank in India (including IITs & NITs), 129th rank in India (excluding IITs & NITs).
- ❖ In Dataquest Top 100 T school Employability survey, we are in 15th rank in all India level, and 2nd rank in India under top 10 Zone wise T-Schools.
- ❖ In Times of India Engineering Ranking survey, we are in 96th position among top 170 engineering colleges, and 93rd position in top 125 Pvt. Management colleges.

4. Student Achievements

- ✓ 10 students received BE honors Degree
- ✓ 1 of our 2023 passed out Mechanical Engineering Students Got admission to MTech. In NIT, Suratkal through GATE examination.
- ✓ 1 of our 2nd year CSE student received ISTE Best Student Award - 2024 for her overall excellence
- ✓ 238 students participated in online training by IBM CREDLY
- ✓ 40 students participated in training on Cyber Security by ICT Academy
- ✓ 53 students completed Paypal Student Enablement Programme on Artificial Intelligence
- ✓ 281 students presented paper in Conference conducted in various places
- ✓ 14 students did poster presentation conducted at Arifa Institute of Technology
- ✓ 72 students participated in Project Exhibition conducted at Vemana Institute of Technology
- ✓ 44 students are doing Internship in Companies
- ✓ 355 students completed various online courses
- ✓ 237 students participated in various fests (Gameathon, Hackathon etc)
- ✓ 283 students attended workshops and Seminars
- ✓ 224 students attended online quiz

5. Students Scholarships & Welfare Schemes Provided by The Institution

- ✓ Leo Muthu Merit Scholarship for aspiring Meritorious Students from economically weaker section of society
- ✓ Merit Scholarship – Leo Muthu Merit Scholarship Cash Award for Academic Excellence
- ✓ Gold Plaque for University Rank Holders
- ✓ Corporate Scholarship for deserving but financially backward students
- ✓ Award for students who excel in innovative projects
- ✓ Award to consistent achievers in Academics, Cultural, Sports and other competitions
- ✓ Students Group Insurance

Students Scholarships Details : 2023-24 academic year

Scholarship Name	No. of Students	Amount
Leo Muthu Academic Merit Scholarship – 2 nd Year	46	Rs.5,05,000.00
Leo Muthu Academic Merit Scholarship – 3 rd Year	120	Rs.30,31,970.00
Leo Muthu Academic Merit Scholarship – 1 st Year	148	Rs.37,13,310.00
Chairman's Sponsored - Free Education to meritorious and economically weaker students	12	Rs.17,74,984.00
PEGA- REAP support by the institution	31	Rs.4,31,000.00
SSP Scholarships for SC/ST/OBC students	303	Rs.67,00,000.00
Lila Poonawalla Foundation Scholarship	30	Rs.17,75,000.00
IEEE –WIE scholarship	4	Rs. 50000/ student/year
BHUMI X cognizant foundation-bring smiles scholarship	1	Rs. 50000/ student/year
Shooting Stars Foundation Scholarship Educate / Empower / Enable	1	Rs. 50000/ student/year
Rotary Club- Contonment , Bengaluru Merit Scholarship	2	Rs. 30000/ student/year

6. Training & Placements

Placement Summary 2023-24

DESCRIPTION	2023	2024
Number of Companies	75	67
Successful Placement	93.57	73.28
Highest Package	10.5LPA	9 LPA
Average Package	4.8 LPA	4.5 LPA

Academic Year	2023					2024				
	CSE	ECE	EEE	MECH	TOTAL	CSE	ECE	EEE	MECH	TOTAL
Branches	CSE	ECE	EEE	MECH	TOTAL	CSE	ECE	EEE	MECH	TOTAL
No of Students	138	65	23	29	255	116	46	22	23	207
No of Enrolled	132	65	23	27	247	111	46	22	22	201
Eligible Students (60%)	88	29	10	13	140	76	29	18	8	131
No of eligible	81	27	10	13	131	54	18	16	8	96

students Placed										
No of students Placed (including eligible & Ineligible)	94	45	17	26	182	63	21	17	23	124
No of Companies Visited	75					67				
Major Companies	TCS, ZOHO, Cognizant, Johnson Controls, Tech Mahindra, DIGGIBYTE, Blue Cold Refrigeration , FOXCONN, INCEDO, MINDTREE, HCL TECH									

Placement Training Activities:

Event Name	For Whom	Days
ETSD Program Pilot Session -1	2022 - 2026 Batch	5 Days
ETSD Program Pilot Session -2	2022 - 2026 Batch	5 Days
Soft Skill Training	2021 - 2025 Batch	3 Days
Placement Orientation	2023 - 2027 Batch	1 Day
BYTS Training Module - 3	2021 - 2025 Batch	10 Days
BYTS Training Module - 4	2021 - 2025 Batch	10 Days
PHYTEC Industry VISIT	25 Staff Members	1 Day

Internships:

We Encourage and support students to undergo internship training at industries, more than 50 students undergone internship at various industries

7. Students Skill Development Activities

Soft skills programs:

- ✓ Presentation skills training conducted on 10/08/2023
- ✓ Vocabulary improvement session conducted on 28/09/2023
- ✓ Public speaking session conducted on 06/12/2023
- ✓ Language enhancement and Error correction session conducted on 20/07/2024
- ✓ We have a quality objective to take all students to industry visit once in a semester, numerous industry visits organized for students in order to expose the students real world experience.

Department Specific Skill Development Activities:

◇ Department of Artificial Intelligence and Machine Learning

- ✓ Hands on workshop on Generative AI and Blockchain Technology conducted on 1st & 2nd July 2024
- ✓ Seminar on UX/UI conducted on 20/02/2024
- ✓ Hands on workshop "Sky is the limit: Unleashing AI potential in Drones" conducted on 11/03/2024 to 13/03/2024
- ✓ Orientation Program on AI, Blockchain and Cloud Computing conducted on 02/07/2024
- ✓ Guest lecture on NoSQL Databases and Big Data Storage Systems conducted on 29/07/2024

❖ **Department of Computer Science and Engineering**

- ✓ Orientation on Mobile Application Development conducted on 18th July 2024
- ✓ Hands on training on Web-Technology and its Application conducted on 15th & 16th July 2024
- ✓ Workshop on Ethical Hacking conducted on 14th December 2023
- ✓ Workshop on IT Security and Networking conducted on 14th December 2023
- ✓ Hands on training on Big Data Analytics Tools conducted on 7th December 2023
- ✓ Workshop on Full Stack Web Development conducted on 8th & 9th July 2024
- ✓ Guest Lecture on No SQL Database and Big Data Storage System conducted on 19th July 2024
- ✓ Guest Lecture on fundamentals of Image Processing conducted on 23rd July 2024
- ✓ Hands on Session on Data Science And Visualization Using power BI Conducted on 28th May 2024

❖ **Department of Electronics and Communication Engineering**

- ✓ Seminar on Emerging Technologies in VLSI conducted on 05/12/2023
- ✓ Seminar on AI Integrated Automation Solutions for Real Time Systems conducted on 28/11/2023
- ✓ Workshop on "Design of 5G Antennas" conducted on 05/12/2023
- ✓ International webinar on "Entrepreneurship stages: Challenges & Opportunities
- ✓ Awareness session on Exploring opportunities and study abroad
- ✓ Awareness session on GATE
- ✓ Seminar on Big Data & Cloud computing
- ✓ Hands on training "Electrify the Skies with Drone
- ✓ Workshop on Internet of Things on 30th & 31st May 2024
- ✓ Workshop on Innovative & design of data visualization excellence on "Power BI"
- ✓ Workshop on "Self Driving Technology in Automotive World"
- ✓ Workshop on "Golang Programming "Turn your ideas into business"

❖ **Department of Electrical and Electronics Engineering**

- ✓ 6 Days workshop on Automation and Robotics with PLC from 9th to 16th July 2024
- ✓ Workshop on Current Trends in PV Solar Power Generation conducted on 13th December 2023
- ✓ Hands on Session on Illuminating the Future: Designing & Implementing an AC/DC Solar System for Sustainable Living conducted on 1st May 2024
- ✓ Workshop on "IOT - Its Significance and its impact on Various Industries"
- ✓ Hands on session on Generative AI conducted on 8th December 2023
- ✓ Guest lecture on Unleashing the power of coding skills on 19th July 2024

❖ **Department of Electrical and Electronics Engineering**

- ✓ Organized seminar on Technical paper writing using LaTeX on 15th July 2024
- ✓ Conducted Workshop On No SQL Database and Data storage on 19th July 2024

❖ **Department of Mechanical Engineering**

- ✓ 17 students undergone MIG welding training at Hosur Industries Association on 12th February 24
- ✓ Conducted guest lecture on pure bending momentum - T & I section on 28.03.2024
- ✓ Conducted guest lecture on Psychometrics and Air-conditioning systems on 25.07.2024
- ✓ Conducted guest lecture on pure substances on 27.03.2024
- ✓ Conducted guest lecture on Lubrication and bearings, Anti Friction Bearing on 19.07.2024
- ✓ Conducted guest lecture on Boiling and Condensation on 11.07.2024

8. Innovative Activities

- ✓ Sairam Innovation Ecosystem - we have committed to nurture and develop innovation through Sairam Innovation Ecosystem, a comprehensive program aimed at fostering student innovation and facilitating the development of start-ups and incubators. This ecosystem is meticulously aligned with the United Nations' Sustainable Development Goals (SDGs), and it is structured into four progressive stages: Immersion Program, Live-in-Lab, Mini Project, and Project Development. Each stage incorporates events such as the Sairam SDG Ideathon, Solveathon, Innovathon, and Inspirethon, designed to transform student ideas into viable start-ups and patentable technologies.
 - We have conducted Ideathon 3.0 on 31st May 2024, Total No Ideas Received - 159, shortlisted for final presentation - 34, winners - 17
 - We have conducted Solveathon on 18/07/2024, Total No Ideas Received - 119, shortlisted for final presentation - 42
 - We have conducted Innovathon 1.0 during June/July 2024, Received - 102, shortlisted for final presentation - 34
- ✓ E-yantra Robotics Laboratory is inaugurated with support from IIT, Bombay, and funded by Ministry of Education, Government of India on 30/08/2024
- ✓ Project Expo - Carpe diem 2024 is organized on 08/05/2024
- ✓ Recognized as mentor Institution for 5 technical institutions of Karnataka by of the my Institutions Innovation Council (IIC), an initiative of Ministry of Education, government of India.
- ✓ Received highest rating - 4 stars by Institutions Innovation Council (IIC) for our innovative activities
- ✓ Team Arohana- E-Bike has Participated in SIEP E-Bike Challenge 2024- Bhopal- IES and received University AIR 13th Position & Awarded 5,000/-
- ✓ Team Shikra- Go-Kart vehicle Participated in GKDC 11th Season 2024- got All India Ranking (AIR) 11 position also won the 2nd Social Media Award of 5,000/-
- ✓ In Yukti Innovation Challenge 2023, 3 Teams shortlisted for the final pitching, Out of 3 teams 1 team awarded 5,00,000/- Grant.
- ✓ One of Our Project Has Been Shortlisted For Inventors Challenge Out of 3 Projects Submitted
- ✓ Prof. R Vijai and Prof. Harish Babu L was invited as jury members for Ashoka Leyland Smart Innovation and and Automation project evaluation.

9. MOUs

We collaborate with various, corporate, government and non government organizations for for furthering the capacity building of our students and faculty. Various MOUs signed during the year 2023-24

MOU signed organization Name	Benefits
Active Edu Services Pvt. Ltd.	Gobal certifications
Sri Sairam TEchno Incubator Foundation	Innovation, technology development, startups
COMEDKARE	Innovation , Robotics, Consultation, FDp, STTP
IPCS GLOBAL PVT. Ltd.	Skilling, Trainings, and Collaborative workshops

Arka Networks Systems	
I Step Higher Education	International university collaboration
ExcelR Edtech Pvt. Ltd.	
Schematic Industrial Solutions	Centre of excellence in automation and robotics

10. Faculty Achievements & Recognitions

- ✓ Our faculties have contributed in the development of E-Shikshana content for various subjects. Prof. C..Sivaprakash. C, Dr T N Prabakar and Prof K V Malini have handled Neural Networks and Elective Vehicles courses which will be available to all the students through VTU YouTube Channel.
- ✓ Faculty recognition at university level - Dr. C Sivaprakash - HOD, Dept. Of AIML - is a Board of Examination (BOE) member
- ✓ Prof. Malini K V is a member of Scholarships selection committee of Lila Poonawala Foundation
- ✓ prof. R Vijai and Prof. Harish Babu L was invited as jury members for Ashoka Leyland Smart Innovation and and Automation project evaluation.
- ✓ Prof. V Rajesh & Mr. Chirupavan, Mechanical Department, delivered expert talk at SJMCET - Chitradurga on 31.05.2024
- ✓ Dr. Balaji. V, HOD, Mechanical Engineering was invited as evaluator for Online Pitching Session of the School Innovation Contest
- ✓ Dr. Balaji. V, HOD, Mechanical Engineering delivered expert talk at Vivekananda Institute of Technology, Bengaluru on 30.08.2024

11. Faculty Development - Online courses

We encourage and support faculty for their continuous development in terms of knowledge ad skills. We conducted various Faculty development programs, depute faculty for external training programs and conferences. Faculty members are also encouraged and provide financial support for doing various online courses.

- National Institute of Technical Teachers Training (NITTT) courses- an Initiative of AICTE
- ✓ 4 faculties cleared all 8 modules
- ✓ All faculties are enrolled for the courses - some faculties cleared most the modules, going to complete all modules.
- National Programme on Technology Enhanced Learning (NPTEL) courses
- ✓ Total 74 faculty have done NPTEL courses, among which 8 received silver category, and 23 elite category.

12. Research / Funding/ Publications

We encourage all faculty and students to undertake research and publish papers in SCOPUS and SCI indexed journals and also publish patents.

Many students are pursuing Phd in our research centres. All of our doctorate faculty are registered for research super visors.

Faculty Research publication details 2023-24:

Year	Conferences		Journals Publications			Book / BOOK CHAPTER		Patents	
	National	International	SCI	Scopus	UGC	Books	Book Chapters	Published	Granted
2023-24	1	34	10	11	3	23	21	23	15

Funding Proposals:

Total 51 research proposal submitted for various funding agencies for the year 2023-24.

13. Library

The library and information centre of Sri Sairam College of Engineering is the heart of learning activities of students and staff of the institution. Library resources and services are developed with the objective of helping all activities of the institution; academics, research and innovation, extension activities, and holistic development of students. Library is part of various consortia and library networks, such as DELNET, VTU E-Consortium, INDEST, NDLI, NPTEL, Shodh Ganga, etc. collaboration with networks and consortia helps in getting access to vast collection of world reputed information resources. All library activities are automated using Easylib software, World class digital resources are accessible online through cloud based services. Digital repository for syllabus centric digital resources has been created on Knimbus digital library platform. Remote access facility for all digital and online resources has been provided through Knimbus digital library platform.

Particulars of Resources	Total No. of Resources
Print Books - Number of Volumes	30554
Print Books -Number of Titles	4791
Number of Books in Dept Library	5064
Number of E-books	22420
Number of Journals (Print)	41
Number of Online Journals	6883
Conference proceedings - online	100
Number of CD's	1055

14. PHYSICAL EDUCATION, NSS & NCC

In our institution, the students are encouraged not only in curriculum related activities but also in co-curricular and extra-curricular activities. A sound mind in a sound body is the mantra that makes our students excel in sports and games also. Our Physical Education Director guides the students both mentally and physically to conquer any type of challenge in the current world. Some notable sports achievements are mentioned below:

- ✓ Our Physical Education Director Mr. Manunatha K N has completed 3 months Pre-Commission Course successfully from 12th June to 9th September 2023 at NCC officers Training Academy, Kamptee, Nagpur, Maharashtra.

- ✓ Lt. Manjunatha K N has been Selected as Platoon Commander Will be Representing Karnataka and Goa Directorate in Passing out parade at Officers Training Academy, Kamptee, Nagpur, Maharashtra
- ✓ Ms. Saumya Sonawane, 2nd year Mechanical Student won Silver medal in National level junior weightlifting competition held at Rajasthan.
- ✓ Harish R, a 6th semester student has won silver medal in 30 meters and bronze medal in 50-meter categories in the VTU single zone Archery competition 2023.
- ✓ Department of Physical Education and Sports, conducted VTU Bengaluru South division hockey Men Tournament - 2023.
- ✓ Department of Physical Education and Sports, conducted VTU state level hockey women tournament & Selection Trials - 2023-24.
- ✓ Department of Physical Education and Sports hosted VTU State Level Cross-country Men & Women Championship in the college campus on 28th January 2024.
- ✓ Saumya Sonawane, Department of Mechanical Engineering won silver medal in 22nd VTU state level Weightlifting (Women) competition
- ✓ National Cadet Corps is a Tri-Services Organization comprising Army, Navy and Air Force, engaged in grooming the youth – ‘The Leaders of Tomorrow’ – into disciplined and patriotic citizens. NCC of Sri Sairam College of Engineering had begun in 2021 and is attached to 8 KARNATAKA BATTALION NCC BENGALURU “B” GROUP, Karnataka & Goa Directorate and has total strength of 54 SD & SW cadets.
- ✓ NSS Unit enlightens each student with a deeper understanding of social reality. It encourages the students to understand the meaning of life through service.
- ✓ “One Student One Tree” an AICTE initiative was taken up in the Campus in association with Nature and Wildlife Club. NSS & NCC had organized this program .
- ✓ Cleanliness Drive was organized by NCC cadets on 1st November, 2023.
- ✓ Under Unnat Bharat Abiyan Initiative- students visit nearby villages, will study the social problems faced by rural folks, find solution for the problems, provide various services for village people.

15. Technical Symposium/ Fests

In order to instill students with techno-social culture, each department of our college conducts technical symposium every year with unique name.

Symposium Name	Conducted by	Date
Sai Intelliverse	Department of Artificial Intelligence and Machine Learning	12 th July 2024
Advaya	Department of Computer Science and Engineering	6 th March 2024 & 7 th March 2024
Livaz	Department of Electronics and Communication Engineering	
Milagro	Department of Electrical and Electronics Engineering	4 th March 2024
Sai Taranga	Department of Science and Humanities	

16. General Activities & Events

We take responsibility for the holistic development of the students, to instill values and skills required for the students overall development, we organize various general activities.

- ✓ 24th Graduation Day celebrated on 21/09/2024
- ✓ 28th Induction Day celebrated on 19/09/2024
- ✓ 78th Independence day on 15/08/2024
- ✓ College Day and cultural fest conducted on 28/06/2024
- ✓ International Yoga Day on 21/06/2024
- ✓ World No Tobacco Day on 31-05-2024
- ✓ Polling Awareness Campaign on 02/04/2024
- ✓ Menstrual Health & Hygiene Management session on 18/04/2024 for all ladies staff and girl students
- ✓ International Women's Day 2024 was celebrated in association with Oracle, Bengaluru on 07.03.2024
- ✓ 75th Republic Day On 20/01/2024
- ✓ Hygiene & Sanitation Awareness on 22/01/2024
- ✓ Mathematics Day on 20/12/2023
- ✓ Kannada Rajyothsava on 01/11/2023
- ✓ Fresher's Day celebrated o 08/12/2023

17. SDG Activities

We are commitment to sustainable development, further underscored by the Sairam Pledge for SDGs, which promotes values such as good health, quality education, clean energy, and environmental conservation. Through initiatives like the Unnat Bharat Abhiyan and various sustainability-focused events, we actively engage in community and rural development. This comprehensive approach ensures that students are well-prepared to tackle global challenges, fostering socially responsible leaders capable of driving sustainable development in their future careers.

- ✓ 118 activities are conducted during the year 2023-24 in support of united nations SDGs.

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24/10/24

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24/10/2024

PRINCIPAL

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