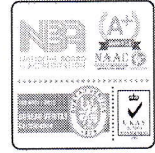




SRI SAI RAM ENGINEERING COLLEGE

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi
Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked Institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairam.edu.in



College Day 2024 Friday, 15th March 2024 Annual Report Dr K. Porkumaran, Principal

"Choose the highest ideal and live your life up to that. Look at the ocean and not the waves. This is the way to success," said Swami Vivekananda.

It is with great pleasure and pride that we gather here today to reflect upon yet another year of remarkable achievements, growth, and resilience within our esteemed institution. As we embark on this journey through our annual report, we are reminded of the collective efforts, passion, and dedication that have shaped our academic community. From fostering a dynamic learning environment to groundbreaking research endeavors, each chapter of this report encapsulates the spirit of excellence that defines our college.

At this juncture, as in every remarkable moment and event of our institution, we remember that we are currently reaping the rewards of the vision and tireless efforts of our compassionate leader, MJF.Ln.Leo Muthu. With the guidance of our Founder Chairman and the blessings of Shirdi Sai Baba, our endeavors have flourished. Our Chairman and CEO Dr. Sai Prakash LeoMuthu carries forward the dreams of our founder with his VISION 2025 – the success formula of People + Process + Purpose.

I would like to encapsulate the progress and achievements of our institution, during the academic year, 2023-24. Sri Sairam Engineering is approved by the All India Council for Technical Education (AICTE), New Delhi, affiliated to Anna University, recognized by UGC under 2(f) & 12B status, accredited by National Assessment and Accreditation Council (NAAC) with A+ grade, accredited by NBA, Top NIRF ranked, BIS EOMS 21001:2018 Certified, QS I – Gauge Diamond rated, and THE Times Impact Ranked institution.

Sairam Institution embraces the transformative potential of education in empowering students to flourish and advance. Rooted in this belief, the institution prioritizes the cultivation of knowledge, fostering growth, and facilitating progress among its student body. Recognizing the paramount importance of technical competence in today's rapidly evolving world, Sairam Institution offers a diverse range of technical courses, providing students with abundant opportunities for learning and skill development. It is with great privilege that I present a concise academic report highlighting the achievements and endeavors of our esteemed institution.

The infrastructure of our college reflects its commitment to providing a conducive environment for learning, innovation, and personal development. The institution is situated in a sprawling campus of 300 acres with architecturally and

aesthetically designed buildings, blocks, stadiums, auditoriums, hostels, to which new blocks have been added this year. The infrastructure facilities for academic, administrative and co-curricular activities include state of art laboratories, modern computer centres, industry powered centres of excellence, expansive stadiums, sports arena and a modern, user friendly Abdul Kalam digital library with a total number of 88981 books and volumes. The college boasts a fleet of 180 buses, ensuring seamless transportation for its students and staff.

The mission of the college is achieved by constant updating of the curriculum and the introduction of niche courses in tune with the national and international development by encouraging innovative programs. The curriculum has blossomed into 14 UG B.E, B.Tech programmes, 8 PG programmes and MBA with an intake of more than 1600 students every year. At present, Sri Sairam boasts the strength of 6109 students. Over the years, our esteemed institution has witnessed the successful graduation of over 23,000 students, each embarking on their journey equipped with knowledge and skills nurtured by us. Today, Sairam Alumni are successfully positioned in over 50 countries across the globe.

I am happy to inform the august audience that we have been achieving excellence in academics continuously. Our institution has secured the distinction of being the only institution in the history of Anna University Rankings to have secured the top position seven times in a row. Our students have bagged 1447 University Ranks including 41 Gold Medals since its inception. The graduation percentage of the institution in all the UG and PG programs are 100%. Our institution received Anna University Research Centre Recognition for the eight departments, Electronics & Communication Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Computer Science & Engineering, Physics, Chemistry, Electronics & Instrumentation Engineering, Information Technology to offer Ph.D. programmes under Anna University. We have on record a robust strength of **382** teaching staff with **154** doctorates, **123** technical, **53** administrative and **276** supporting staff.

Our Institution continuously motivates and encourages the faculty members to attend many Faculty Development Programmes to enrich their knowledge and skills. In this academic year, our faculty members published **1206** research papers in Scopus, WoS, International journals and conferences of high repute. As many as **171** faculty members are pursuing their **Ph.D.** and **17** faculty members successfully completed their Ph.D. during this academic year. To promote faculty development, NITTTR Module Registration and IEEE Membership is sponsored by our institution. The purpose of NITTT scheme is to provide a framework for training of Inductee Teachers in AICTE approved institutions. 80% of our faculty members have successfully completed all the 8 modules.

The institution has made an extraordinary bench mark in the sphere of research and innovation. We have received grant-in-aid of Rs. 7,36,54,159 towards Research Grants from Government, funding agencies and industrial organization AICTE, DST-FIST, IEEE, DST-SERB and others.

Our benevolent management offers Leo Muthu Merit Scholarship (LMS) named after our beloved Founder Chairman Shri. MJF. Ln. Leo Muthu, with a strong sense of social commitment. The Scholarship was launched as a CSR initiative of the Sairam Group with the aim of empowering deserving students with education helping them to make a difference to their families and society at large. Leo Muthu scholarship is for

aspiring meritorious students from the economically weaker sections of the society, awarded to nearly 400 students to the worth of a crore, this year alone.

Best Academic and Enterprising Practices

To cultivate an environment conducive to holistic growth and academic excellence our institution adopts a variety of best practices aimed at enhancing teaching, learning and overall student experience. To name a few:

- Experiential learning environment through live in lab, project expo & theory to practice sessions
- Industry driven curriculum with choice-based credit system
- Strong industry alliances and partnerships
- SAIRAM SDG Action Plan
- Strong International University collaborations
- Start Up, Entrepreneurship Ecosystem
- Defence Start Up Initiatives
- Skill enhancement training
- Sail Sairam Artificial Intelligence Learning Platform
- NPTEL learning platform
- Research culture imbibed in the system
- Ideathon, Solveathon, Innovathon and Inspirathon through Sairam Innovation Eco System
- TEDx Sri Sairam Engineering College
- An array of Clubs and Cells
- Ample and Extensive Training and Placement Programmes
- Well established mentoring system

Centres of Excellence for Invigorated Education

Industry-powered Centers of Excellence play a pivotal role in fostering innovation ecosystems and preparing the workforce for the challenges of the future. By leveraging the strengths of academia and industry in a mutually beneficial partnership, these centers create value for stakeholders and contribute to societal development and prosperity.

Our proud Alumnus, Dr. P. Veeramuthuvel, Project Director Chandrayan 3, ISRO, inaugurated the Sairam Techno Incubator Foundation. The Sairam Incubation Centre, established as a section 8 non-profit organization under the esteemed Sairam Institution, serves as a dynamic platform for nurturing innovation and entrepreneurship. Within its supportive ecosystem, 85 startups have been incubated, guided, and empowered to transform their ideas into viable ventures. Notably, 25 startups, including those specializing in defense technologies, have successfully graduated from the Sairam Incubation Centre.

To enable our students to be industry ready, we have Industry powered centers like Ministry of Electronics CDAC IoT Research Lab, AICTE IDEA Lab, MSME SEC-TDC Facilitation Centre, MSME Incubation Centre, Red Hat Linux Academy, IITB- e-YANTRA Centre for Robotics, CISCO Networking Academy, Oracle Academy, Texas Instruments Center, TCS BOT Lab, AWS Academy, Microsoft Academy, DELL EMC Data Analytics LAB, TCS Centre for Microsoft Azure, Centre for Firewall Installation and Maintenance (PALO ALTO Networks), Centre for Salesforce, Functional Materials Research Lab, Electric Vehicles Research Centre, INTEL AI UNNATI Lab.

MoUs & Industry partnerships

Keeping in trend with the rapidly evolving educational landscape, we have entered into dynamic collaborations to tap into industry expertise, resources, and networks to enrich our academic programmes.

We have established Foreign University collaborations with Universiti Teknologi Petronas, Malaysia, University Saskatchewan, Canada, Sur University College (SUC), Oman, National Research Centre (NRC), Giza, Egypt for student and faculty exchange, research internship programmes, technical collaboration and other research initiatives.

Our institution has created significant partnerships and associations with ITNT, VIRTUSA, COINDIA, BIS GOVT OF INDIA For Quality And Standards, AT UMGAIN 2024, NHAI, FORGE, National Institute of Technical Teachers' Training & Research (NITTTR), VIRTUSA, TESSOLVE, COINDIA, State Institute of Rural Development (SIRD), Thirumudivakkam Industrial Estate Manufacturer Association (TIEMA), Ambattur Industrial Estate Manufacturer Association (AIEMA), NHAI and IBM to name a few

Milestones in our ongoing journey

The Centre for E - Learning was established in order to promote effective E-learning and to supplementary teaching learning practices. Nodal Centre for IIT Bombay Spoken Tutorial and Nodal Centre for VALUE Virtual Lab were established in our institution under Ministry of Education, Govt. of India through which 15000 certificates have been awarded to our student community.

To provide international connectivity and professional growth, the professional societies and student chapters like **IEEE, IEEE-WIE, IETE, CSI, ISTE, SAE, ICI, ACM, CMA** are established and are actively organizing events towards the advancement of engineering professionals. IEEE of our Institution has the highest number of societies (39), 22 technical communities, 2 affinity groups, local group and councils. We have installed the prestigious IEEE HKN Eta Kappa Nu Chapter, an honoured society of IEEE.

We have enviable consistency in offering placement in various reputed organizations such as Cisco, Pega Systems, Tata Consultancy services, Cognizant, Multicoreware, Hyundai, Accenture, Amazon, General Motors, JSW with the highest pay package of Rs.16 lakhs.

We made a remarkable achievement in securing the prestigious QS I-GAUGE Diamond Rating for our quality assurance and sustenance initiatives Apart from the overall rating, the college has attained Platinum in social responsibility, governance and structure and entrepreneurship and diamond in teaching and learning, faculty quality and employability categories.

We obtained global recognition by getting into top 300-400 rankings in the prestigious THE TIMES SDG IMPACT Rankings.

Achievements and Accolades

- Obtained global recognition by getting into top 300-400 rankings in the prestigious THE TIMES SDG IMPACT Rankings
- Received honour from NPTEL as one of the Top 10 institutions in India in AAA category
- Has won National Sustainability impact Institutional Ranking 2023 emerging to become Top 3 in the nation
- Successfully implemented social innovation projects under IEEE SIGHT and EPICS by UBA
- 6 startups from our Sairam Techno Incubator Foundation received EDII, GOVT of Tamilnadu voucher worth Rs. 5L
- Received Host Institute status from MSME and we received 14 Lakhs for the idea under healthcare theme in MSME HACKATHON2.0
- Received research grant of 1.47 crores for DST FIST for campus modernization project.
- Our 20 students have been selected in the Innovate4Defence (i4D) Internship 2023 by Innovation for Defence Excellence (iDEX), Defence Innovation Organization (DIO), Ministry of Defence, Govt. of India.
- In Smart India Hackathon (SIH) 2023, 3 teams won the First Prize in 4 domains with the prize amount of Rs.1,00,000/- for each category and in the year 2022, 6 teams won the first prize.
- Placed within the top 25 in Atal Ranking of Institutions on Innovation Achievements (ARIIA) Rankings by the Ministry of Education, Government of India
- Has been awarded the CSI Best Supporting College Award 2022, IETE – Shri P P Malhotra Memorial Award 2021, IETE – Best ISF Award 2022, IEEE Regional Exemplary Student Branch Award 2022, and the NSS Best College Award from Anna University
- Our Institution Received the prestigious IEEE – Special Interest Group on Humanitarian Technology Grant of US\$ 9500 for a sustainable rural development SDG Projects
- Our outstanding and exemplary participation in the IEEE XTREME Programming Competition with 300+ teams and 900 participants has been recognized as we won competing against Top Ranked International Universities in the world.
- Won Defence Innovation Start Up Challenge (DISC #7) SPRINT, Indian Navy and our team was felicitated by Honorable Raksha Mantri at Defence Expo 2022
- Raksha Mantri Award 2022 – shortlisted based on the significant contributions and activities in Defence sectors

- The Institution has been recognized as a Nodal Centre to conduct online courses offered by Indian Institute of Remote Sensing (IIRS) – Indian Space Research Organization (ISRO), Dehradun.
- National Cyber Defence Resource Centre has been established in our institution.
- Our college has received the certificate of Appreciation for the active participation in the National Intellectual Property Awareness Mission (NIPAM) on the occasion of the 75th anniversary of Independence to create awareness on Intellectual Property Rights (IPR).
- M-Apps received financial assistance of Rs 1,00,000 towards a project sanctioned under the Scheme for Promoting Interest, Creativity and Ethics among Students (SPICES) of AICTE.
- IEEE Region 10 (Asia Pacific Region) has awarded Sri SaiRam Engineering College Student Branch (Madras Section) with 2023 IEEE Region 10 SAC Outstanding Student Branch Award for their valued contributions.
- Our College IEEE Women in Engineering Madras Section has received the Outstanding Student Branch Affinity Group Award 2023.
- Our, Principal, has been honored with the prestigious award of "ISTE-Stripes of Redeemer National Award for the Best ISTE Chapter Chairman (ISTE) , new delhi
- Dr. G. Puthilibai, Prof/Chem has She has also been honoured with "ISTE-Shayesta Akhtar Memorial National Award for the Best Women Engineering College Teacher' for Technical Education (ISTE). She received "National Intellectual Property Awards-2023" New Delhi.
- Dr. Soma Prathibha of IT Dept. has received the Society Chapter Award from IEEE Madras Section for the year 2024.
- Dr. Thanuja of Chemistry Department has received funds for her EPIC projects.
- Dr. Bhagavathi Perumal, HOD Civil, was awarded the Best Concrete Teacher award by Indian Concrete Institute
- Outstanding ICI student chapter award 2024
- DR. Brindha of ECE department was awarded IEEE R10 OUSTANDING VOLTEER AWARD 2023
- Winner of Vibrant Pilot-Hall of Fame In IEEE YESIST 2022 at Arab Academy for Science and Technology, Egypt
- Established 13 BIS Quality Standard Clubs this year
- IEEE Regional Exemplary Student Branch Award 2022
- Received 5 Prestigious India Council Awards
- Winner Best Professional Institution For Skill Development FICCI
- IDA Award Industry-Academia Collaboration for creating Employability in Higher Education

National Service Scheme

Five vibrant NSS Units are actively functioning in our institution. Blood donation camps are conducted regularly. We are proud of our students for making our institution first among all the educational institutions in Tamil Nadu in donating blood this year in

a one-day camp. We've been achieving this deed successfully for more than twelve years. This year too the NSS organized several programmes such as Raise of the Republic, Stamp Collection event, Clean & Green Environment, Can-Do Workshop, May Day Event, Cyber Security Awareness Program. Dr. Sathish Kumar received the Best NSS Programme Officer Award.

NCC

- Our college NCC started its Naval Wing this academic year. 25 yards and 50 yards range were constructed and inaugurated on 11 March 2024 by Colonel Arindam Majumdar, Group Commander, Chennai – A group.
- Swathi Murali of III ECE has attended all INDIA THAL SAINIK camp and participated in field craft and battle craft.
- Venkatapathi K of III EEE has attended all INDIA THAL SAINIK camp and won gold medal in 0.22 range firing.
- Akilan Amarnath participated in Inter directorate Sports shooting Competition at Thiruvananthapuram.
- Rajeswari of III EIE participated in Republic Day Training Camp II at state level, as member of TamilNadu Contingent at Coimbatore.
- Several cadets attended All India Girls trekking Camp at Nilgiri's trek and All India Girls trekking at Camp Shivaji trail trek, Kolapur, Maharashtra.

SPORTS SPLENDOUR

The Annual Sports Day, Sai Sports Splendour, is celebrated every year. Our students have won trophies and medals in the Zonal and Inter Zonal levels of tournaments. With respect to the initiatives taken by our Physical education department, SAIRAM TROPHY stands out to be one of the most popular tournaments among the various engineering colleges. SAI MARATHON is the annual sports fiesta which offers huge prize money to the winners.

- S. Sivaprakash of first year Civil Dept. has been selected for Indian Soft Tennis Coaching Camp, Tournaments at Thailand. He won the bronze medal in Junior National Soft Tennis Tournament at Gujarat and another bronze in All India Inter University Tournament at Aurangabad.
- Rohith of first year Mechanical Department has won the silver medal in National Level Chess Boxing Men Tournament held at ADAMAS University, Kolkata. He also won the gold medal in the district level competition.
- Ben Henan L of IV CSE had a remarkable achievement in securing Silver in the 4x100 m Freestyle Relay and 4x100m Medley Relay at the Khelo India University Games, Guwahati, Assam
- M. Gokulnath of First year ECE has done the 43 REPS of Diamond Push-ups in 30 seconds and his name has been recorded in INTERNATIONAL BOOK OF RECORDS (World Record of Excellence) as RECORD HOLDER of "Most Diamond Push-ups in 30 Seconds"

CULTURAL EXTRAVAGANZA

We celebrate Culturals where our students get to display their immensely varied talents. The students showcase their talents to steal the show with their stunning performances in singing, painting, dancing, Ad-zap, Dumb Charades, Collage, Teaser-making, RJing, Mime and many other events. We are proud of the immensely talented students whose talents are nurtured in our Fine Arts Club. We have our own orchestra Sai Sruthi. This year the cultural extravagance gets more glittery with SPARKLE.


I am honored to extend my heartfelt appreciation to the Management for their visionary commitment to providing world-class education and top-tier infrastructural facilities, thereby positioning our institution among the elite educational establishments. Under the steadfast guidance and forward-thinking leadership of our esteemed Chairman, Dr. Sai Prakash Leo Muthu, our institution continues to forge ahead, poised to achieve significant milestones, and reach unprecedented heights in the years to come.

As we embark on this journey, there remains much to be accomplished. Yet, with the collective efforts of the entire Sairam family, we are committed in our pursuit of emerging as a leading technical institution on the global stage.

In closing, I wish to express my gratitude to our Chairman, Board of Trustees, Deans, Heads of various departments, Teaching and Non-Teaching staff, Administrative personnel, well-wishers, parents, and our cherished students. It is through their unwavering dedication and contributions that our institution thrives and flourishes.

Together We Can !!!

***** JAI HIND*****


Principal
SRI SAIRAM ENGINEERING COLLEGE
West Tambaram, Chennai-44.