

SAIRAM INNOVATION ECOSYSTEM CYCLE 1



VISION ON INNOVATION AND ENTREPRENEURSHIP

The idea of imparting awareness on the necessity to bring in indigenous innovations has always been there and Sairam group of institutions encourages its students to become passion preneurs and techpreneurs. As quoted by the Hon'ble Prime Minister of India, Shri Narendra Modi, "I See Start-Ups, Technology and Innovation as exciting and Effective Instrument for India's Transformation", Sairam group of institutions has always been keen to bring out well qualified and young entrepreneurs for the betterment of the society.

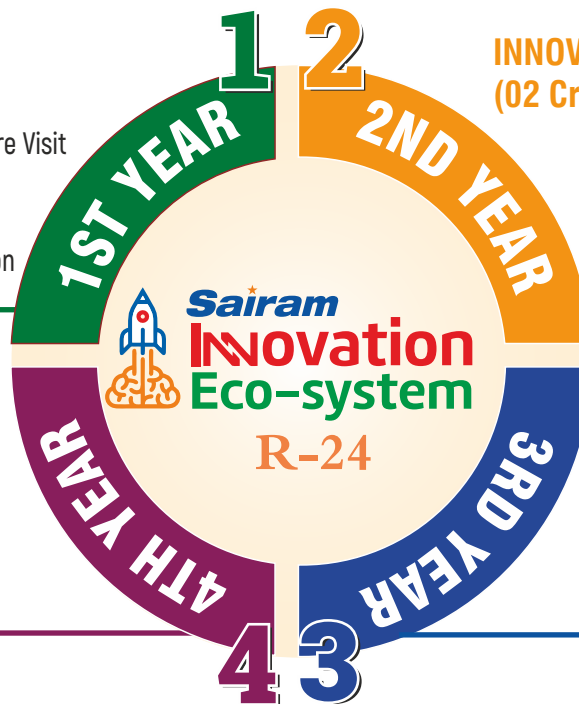
Sairam SDG
IDEATHON

IDEA ENGINEERING (02 Credits)

- Immersion Program & Field Exposure Visit
- Educating Critical Thinking
- Idea Generation Aligned with SDG
- Goal wise & Domain wise Distribution

PRODUCT DEVELOPMENT (10 Credits)

- Final Project Development
- Paper / Patent Publication
- Technology Transfer
- Setting up a start-up



INNOVATIVE DESIGN (02 Credits)

- Educating Design Thinking
- Entrepreneurship Education
- Learning Space & Tools
- Business Model Canvas

PROTOTYPE DEVELOPMENT (02 Credits)

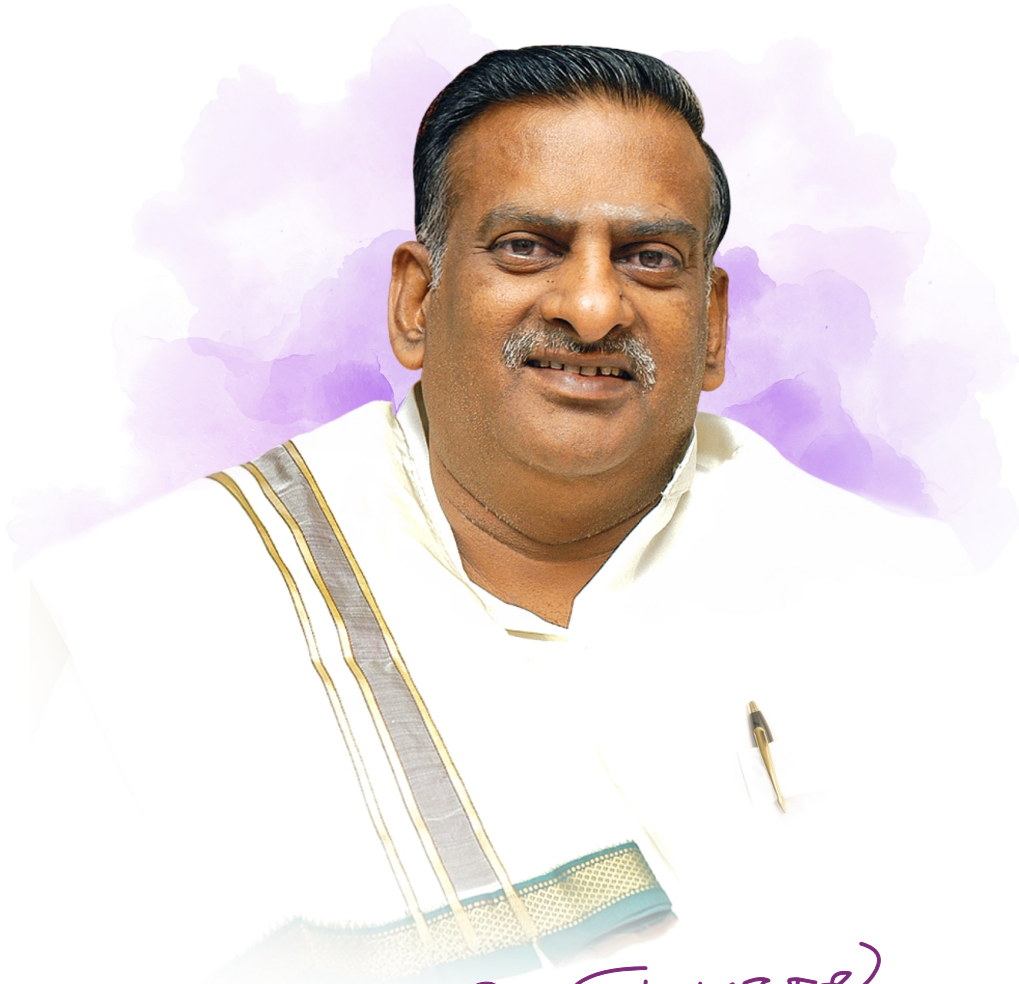
- Bootcamp / Technology Training
- Training on Business Pitching
- Technology Readiness Level Assessment
- Showcasing project locally/ globally

Sairam SDG
INSPIRATHON

Sairam SDG
INNOVATHON

AN INITIATIVE BY AN ENGINEERING AND TECHNOLOGY INSTITUTION
TO GENERATE MASS ENTREPRENEURSHIP

*Education is the manifestation of the
perfection already in man*



புயன்றால் புதுயாதது
எதுவும் இல்லை.

அன் டுன்...
லி கும்புத்த

MJF. LN. LEO MUTHU

FOUNDER CHAIRMAN - SAIRAM INSTITUTIONS

Sairam
INSTITUTIONS



Imagine the Future and Make it happen!



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



Together let's build a better world where there is **NO POVERTY** and **ZERO HUNGER**.
We have **GOOD HEALTH AND WELL BEING** **QUALITY EDUCATION** and full **GENDER EQUALITY** everywhere.

There is **CLEAN WATER AND SANITATION** for everyone. **AFFORDABLE AND CLEAN ENERGY**
which will help to create **DECENT WORK AND ECONOMIC GROWTH**. Our prosperity shall be fuelled
by investments in **INDUSTRY, INNOVATION AND INFRASTRUCTURE** that will help us to
REDUCE INEQUALITIES by all means. We will live in **SUSTAINABLE CITIES AND COMMUNITIES**.
RESPONSIBLE CONSUMPTION AND PRODUCTION will help in healing our planet.

CLIMATE ACTION will reduce global warming and we will have abundant,
flourishing **LIFE BELOW WATER**, rich and diverse **LIFE ON LAND**.

We will enjoy **PEACE AND JUSTICE** through **STRONG INSTITUTIONS**
and will build long term **PARTNERSHIPS FOR THE GOALS**.



For the goals to be reached,
everyone needs to do their part:
governments, the private sector,
civil society and **People like you.**

Together we can...

Sai Prakash Leo Muthu
CEO – Sairam Institutions

Sairam **SDG**
IDEATHON **2021**

Sairam SDG Ideathon 1.0

Launched on 8th february 2021 during a webinar focused on **sustainable development goals (sdgs)**. The event attracted **1,100 participants**, fostering innovation and awareness around global sustainability challenges. It marked the beginning of the institution's commitment to empowering students for sustainable development.



Sairam
www.sairamgroup.in

WEBINAR ON
SUSTAINABLE DEVELOPMENT GOALS

Sairam
SDG ACTION PROGRAM

08.02.2021, Monday @ 2.30 pm



Sri SAI RAM
ENGINEERING COLLEGE
INSTITUTE OF TECHNOLOGY
Autonomous Institutions
West Tambaram, Chennai - 44



Sairam
RAISE
Elevating standards.
Enhancing performance!



Expert Speaker



Dr. C. R. RENE ROBIN
Professor & Dean (Innovation)
Sairam Group of Institutions



For the goals to be reached,
everyone needs to do their part:
governments, the private sector,
civil society and **People like you.**

Together we can...
Sai Prakash LeoMuthu
CEO - Sairam Institutions

Dr. K. Palanikumar
Principal / SIT

Dr. A. Rajendra Prasad
Principal / SEC

Shr. Sai Prakash LeoMuthu
Chairman & CEO



Sairam
www.sairamgroup.in






Sri SAI RAM ENGINEERING COLLEGE
INSTITUTE OF TECHNOLOGY
Autonomous Institutions | West Tambaram, Chennai - 44

Cordially invite you for the
valedictory function of

Sairam SDG IDEATHON 2021

Students' Innovative Ideas into Sustainable Products

26.02.2021, Friday | 2.30 pm | VRR Hall

Prof. (Dr.) Ripu Ranjan Sinha, ICT
Promoter Global Innovation,
Peace, Prosperity & Sustainable Development
Jaipur, Rajasthan
*has kindly consented to be the chief guest
and to deliver the valedictory address*






Dr. D. Doreen Robin
Founder & Director
Computational Intelligence Research Foundation
Chennai

Mr. M. Kishore Abhishek
Managing Director
R&D, Global
Chennai

Mr. R. Rajkumar
Assistant Professor
Dept. of Computer Science & Engineering
SRM Institute of Science and Technology,
Chennai

Mr. Balamurugan KGS
Founder & CEO
LeadProbs
Innovative Technologies
Chennai

Dr. Ph. Shanthi, SEC
Dr. V. Varad, SIT
Panel Co-ordinators

Dr. C. R. Rene Robin
Dean Innovation

Dr. K. Palanikumar
Principal / SIT

Dr. A. Rajendra Prasad
Principal / SEC

Shr. Sai Prakash LeoMuthu
Chairman & CEO, Sairam Institutions

The valedictory of **Sairam SDG Ideathon 2021** was held on 26th February 2021. The venue was the grand VRR Hall. **Prof. (Dr.) Ripu Ranjan Sinha** attended. He promoted innovation and sustainable growth. Jury members included renowned industry experts. They evaluated students' innovative sustainable ideas. The event was well-coordinated by faculty. Principals and Dean guided the proceedings. The program ended with inspiring closing remarks.

EVENT HIGHLIGHTS



SAIRAM SDG IDEATHON 1.0 WINNERS LIST

Sl.No	Overall Prize	Name of the Team lead	Title	SDG No	Branch	College
1	I	N. Haribabu	Trigonometry In Forensics	16	CSBS	SEC
2	II	U. Keerthi	Connecting Foods	2	AI-DS	SIT
3	III	A. Priya	Electric Piston Engine (EPE 2021)	7	ICE	SEC
Sl.No	Overall Prize	Name of the Team lead	Title	SDG No	Branch	College
1	I	U. D. Sundaravadivelan	Innovation For Poverty	1	MECH	SEC
2	II	S. Gokula Krishnan	ALMS Circle	1	MECH	SEC
3	I	V. Agustin Jebakumar	Application To Eradicate Hunger	2	IT	SEC
4	II	M. Jayasooriya	Robotic Farming	2	MECH	SEC
5	I	M. Hemanth	First – Aid Drone	3	AI-DS	SEC
6	II	A. S. Gayathiri Varsha	Sourcing And Marketing Of Organic Products - Online	3	CSBS	SEC
7	I	K. V. Karan	Gunavat Mukaabala!	4	IT	SEC
8	II	A. Harshavardhni	Virya	4	CSE	SEC
9	I	C. Bhuvana	Life is a collaboration than competition between men and Women	5	IT	SEC
10	II	M. E. Thrinam Vishwakumaar	Equality	5	ECE	SEC
11	I	S. Sree Varagi	Treatment For Pristine Water	6	EIE	SEC
12	II	N. Showkar Sakthi	Clean Water And Santitation	6	ECE	SIT
13	I	K. Suthanraj	Good Energy	7	EIE	SEC
14	II	J. Sriram	Solar Furnace	7	AI-DS	SIT
15	I	A. Naveen	Job opportunities for poors/unemployed	8	ECE	SIT
16	II	V. Raj Ronald Shaw	Plant Monitor	8	CSE	SIT
17	I	D. Vasundhara Devi	Renovated Containers	9	MECH	SEC
18	II	M. Ramanathan	Generation Of Electricity From Speed Breakers	9	ECE	SEC
19	I	U. Keerthi	Reduced Inequalities	10	AI-DS	SIT
20	I	S. Vinish	AGRICONNECT	11	IT	SIT
21	II	R. Kirthika	Sponge Cities	11	ECE	SEC
22	I	B. S. Minu Dhakshina	Big Hearts & Small Minds	12	CSE	SIT
23	II	B. Keerthana	Productive Production	12	ECE	SEC
24	I	Ilshwarya Varaharajan	Native Species Plantation	13	CSE	SEC
25	II	S. N. Vedhika	Inhale Fresh	13	AI-DS	SEC
26	I	K. Roshini	Life Below Water	14	IT	SIT
27	II	H. Kirthika	Put A Stop To The Drop	14	CSE	SEC
28	I	K. Deekshitha	Terrace(vertical) farming using recycled plastics in a more profitable and advantageous way.	15	IT	SEC
29	II	S. Adhish	Solution To AI And Drip Irrigation Systems For Problems Below	15	AI-DS	SEC
30	I	U. Keerthi	Judicial AI	16	AI-DS	SIT
31	II	V. Raphael Godson	Peace And Justice Strong Institution	16	IT	SEC
32	I	U. Keerthi	Game Of SDG'S	17	AI-DS	SIT
33	II	R. Jai Vignesh	Webzzers	17	CSBS	SEC



Sairam SDG Solveathon 1.0

Launched on 21st April 2022 during the Inauguration, the event also featured the Solveathon Demo Day. It served as a platform to address pressing global challenges. The initiative encouraged students to propose innovative and impactful solutions. All projects were aligned with **UN SUSTAINABLE DEVELOPMENT GOALS**. Participants showcased creativity in tackling real social development issues. The program fostered collaboration between academia, institutions, and industries. It highlighted sustainable approaches for long-term growth and progress. The Solveathon stood as a milestone for Sairam Institutions. It continues to inspire innovation for a better future.



Sai Ram Engineering College Institute of Technology
Autonomous Institutions
West Tambaram, Chennai - 44

Sairam SDG ACTION PROGRAM
Student Project Team of Innovators Group

Inauguration of Sairam SDG SOLVEATHON 2021

Hosting on ZOOM: 18.11.2021, Thursday @ 1.00 PM - 3.00 PM
YouTube LIVE: Meeting ID : 9840222341
PassCode : Innovation

Chief Guests

Dr. P. SEKAR
Chairman, Unleashing India,
Global Smart City Panel, MTGF

Dr. UPPILIAPPAN GOPALAN
Director - Global Smart City Panel,
Director - World Economic Consortium,
Director - Global Sustainability Forum

Dr. C. R. Rene Robin
Dean - Innovation
Convener

Dr. K. Palanikumar
Principal / SIT

Dr. K. Porkumaran
Principal

Shri. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

Co-ordinators : Dr. B. MEENAKSHI / SEC | Mr. P. RAYAVEL / SIT



Sairam SDG ACTION PROGRAM
RAISE FOMS
Sairam Innovation Eco-system
Student Project Team of Innovators and Live in Lab Group

Sairam SDG SOLVEATHON 1.0
21st April, 2022 | 10.30 AM
Sigma Auditorium

GRAND FINALE AND PRIZE DISTRIBUTION

Chief Guests

Ms. N. NAGALAKSHMI VIJAYAKUMAR
Trustee of NSEF,
Founding Member and Director
Kalasalingam Innovation Foundation
Founder and CEO - CURIO KIDZ

Prof. TIMOTHY A GONSALVES
Founding Director (IIT Mandi) (2010-2020)
Retired former Prof CS&E Dept, IIT Madras

**and MoU Signing with
IITM Incubation Cell - LEAP**

Dr. C. R. Rene Robin
Dean - Innovation
Convener

Dr. K. Palanikumar
Principal / SIT

Dr. K. Porkumaran
Principal/SEC

Shri. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

Co-ordinators :
Dr. S. Sumathi, SEC / D. Pushgara Rani, SIT

Sairam Institutions hosted the **SDG Solveathon 1.0** event. The grand finale was held on 21st April. The venue was Sigma Auditorium at 10.30 AM. The program highlighted innovation and sustainability-driven student projects. Chief Guest was **Ms. N. Nagalakshmi Vijayakumar**. She is Trustee of NSEF and CEO Curio Kidz. She also directs the **Kalasalingam Innovation Foundation**. Another guest was **Prof. Timothy A. Gonsalves**. He was Founding Director of IIT Mandi (2010–2020). He also retired as Professor at IIT Madras. A MoU was signed with **IITM Incubation Cell**. The collaboration was under the LEAP initiative. The event was coordinated by Dr. S. Sumathi. Support was given by **Ms. D. Pushgara Rani**.

EVENT HIGHLIGHTS



SAIRAM SDG SOLVEATHON 1.0 WINNERS LIST

Sl.No	Overall Prize	Name of the Team lead	Title	SDG No	Branch	College
1	I	Sanjay Venkat	Automatic Smart Signal Control	3	AI-DS	SEC
2	II	R. Suraj	Habit Monitoring and Tracking Productivity in Humans	9	CSE	SIT
3	III	Pooja Bengeri	Application of Thermoelectric	7	EEE	SEC
Sl.No	Overall Prize	Name of the Team lead	Title	SDG No	Branch	College
1	I	B. Mukilan	Ultrasonic Blind Walking Stick Using Arduino With Electric Current Detector	3	ECE	SEC
2	II	M.D. Adnan	Fast-Aid	3	CSE	SEC
3	III	Danya Chandrasekaran	Virtual Medical Assistant	3	AI-DS	SIT
4	I	A. G. Vijayendiran	Farming Using AI Technology	2,4	ECE	SEC
5	II	S. H. Sanjay Kumar	Eye Tracking Detection	2,4	IT	SIT
6	III	S. Mathesh	Text Handwriting	2,4	IT	SIT
7	I	S. Suvarna Lakshmi	Smart Rescuable Device for Women	1,5,6,8	ECE	SEC
8	II	E. Porkodi	Agri Apy	1,5,6,8	IT	SEC
9	III	D. Gunal	Cable TV Manager	1,5,6,8	IT	SEC
10	I	M. Prince Alan Paul	Auto Compact Generator	7	ECE	SIT
11	II	S. Akshatha	Street Light Using Noise Source	7	ECE	SIT
12	III	C. Santhosh	Design And Fabrication Of Eddy Turbine	7	MECH	SEC
13	I	T. Arun	Aquaponics with IOT	9	ECE	SEC
14	II	Rahul	Pedal Pump	9	ECE	SIT
15	III	Sundareswaran Sridhar	Insulation fault detection in underground cables using arduino	9	ICE	SEC
16	I	K. K. Kavya	Book Tracker	9	CSE	SEC
17	II	Madhul Manoj	PROBICAM	9	IT	SIT
18	III	S. Dharshini	Speech Recognized Face Composition Tool Using IOT	9	CSE	SEC
19	I	R. Deepa	Fake product review monitoring system	9,10,16	IT	SIT
20	II	Jessica Sharon	Women Safety Device	9,10,16	ECE	SEC
21	III	J. Paulina	Smart blind stick with image processing	9,10,16	EEE	SEC
22	I	P. Jaiganesh	Wireless Charging Of Electronics Devices WCE	11	ECE	SEC
23	II	Praveen Rao	Intelligent traffic light control system using embedded technology	11	ECE	SEC
24	III	M. Priyadarshan	Smart home security and anti theft system	11	IT	SIT
25	I	H. Aafreen Sana	Automated Customer Dissatisfaction Study Using Sentiment Analysis	9,12,13	CSE	SEC
26	II	P. Sakthish Kumaar	Battery Life Cycle Improver Using Node MCU And Relay	9,12,13	ECE	SEC
27	III	S. Jaisurya	Analysing mental health using facial emotion recognition	9,12,13	CSE	SIT
28	I	A. Harini	FIREBOT	14,15,17	ECE	SEC
29	II	S. Bharath Ganesh	Smart Dustbin With Door Opening and Belt Mechanism	14,15,17	MECH	SIT
30	III	Pandrangi Jahnavi	Hydro Snap Garb	14,15,17	ECE	SIT



Sairam SDG Innovathon 1.0



Sairam SDG Innovathon 1.0 was launched on 10th August 2022, uniting the Student Project Team of Innovators and Live in Lab – III Group. This initiative aimed to inspire students to develop innovative solutions aligned with the United Nations' Sustainable Development Goals (SDGs). It marked a significant step toward fostering sustainability and innovation within the institution.



InnoVizon – Demo Day

The Demo Day showcased student innovations tackling real-world challenges. Teams pitched ideas, displayed prototypes, and gained expert feedback, preparing for the Solveathon finale.

InnoVizon – Grand Finale

The Grand Finale featured top projects aligned with UN SDGs, keynote sessions, prize distribution, and an MoU with IITM Incubation Cell – LEAP.

EVENT HIGHLIGHTS



SAIRAM SDG INNOVATHON 1.0 WINNER LIST							
SNO	PROJ ID	NAME	GUIDE	DEPT	TITLE	SDG GOAL	PRICE
OVER ALL SAIRAM SDG SAOLVEATHON CHAMPIONSHIP 2023 (GOAL NUMBER 18 - SAP)							
1	852	1.Selvam .S 2.Sibi Singaram .S.K 3.Viknesshwar	Vijaya Ramnath.B	SEC-MECH	Design and Development of Semi automatic Sewage Cleaner	6	I
2	1229	1.Hari Skandan .S 2.Rathnavelu .P 3.Saisaran .S 4.Bharath Ganesh .S	ANTONYROSEWELT L	SIT-MECH	Customized Waste Segregation with Machine Learning for Sustainable Development	15	II
3	1121	1.Abinaya 2.Varshini Uma Shankar 3.Harini.A 4.Thejasvi.S	Subhashini K	SEC-ECE	Curie-smart voice Assistant based hospital companion with medicine dispenser	11	III
GOAL 1							
1	1275	1.Edward 2. Mohammed Nizamudeen 3.Luqmaan.Q	Ganga A	SEC-ECE	AI Enabled Accident detection and Prevention for Vehicles	1	I
2	635	1.Nithyashree 2. Janani 3. Dillibabu	Nazeeya Anjum N	SEC-EIE	IOT Based Health Monitoring System	1	II
3	1102	1.Minu Dhakshina 2.Deepika Lakshmi.M.B 3.Aanandhini.S	Mathupriya S	SIT-CSE	Know Them	1	III
GOAL 2							
1	818	1.Sadagopan Pradosh .S 2.Vishal .L. R	Lalitha V	SEC-CSE	Cropify	2	I
2	1046	1.S.Harithaa 2. Venkat Ram.S 3.Lukysha.M 4.Dhanush Prabhu	Nithya M	SEC-CSBS	Mark it System	2	II
3	967	1.Hariharan.R 2.Sai Krishna.S 3.Avula Naga Sanjay	Mr.D.Prabu	SEC-CSE	Bean Leaves Disease Identification	2	III
GOAL 3							
1	1031	1.Shree Lakshmi.G 2.Divya Bharathi.M 3. Keerthana.J	Sathya.T	SEC-CSBS	Cataract and Glaucoma Detection	3	I
2	805	1.Ravi Revathy 2.Vishali.R	Gnana Prakash M	SIT-CSE	Detection of Heart strokes using Machine Learning	3	II
3	1076	1.Vimal Kumar 2.Raj Ronald Shaw 3.Nihaal Tharwat	Ananthi .S	SIT-CSE	Prosthetic Arm	3	III
GOAL 4							
1	1260	1.Vasanth Kumaran .U 2.Inbasekar.S 3.Venkatesh.A	Leela Jancy P	SIT-CSE	Performance Predictor : Predicting the future Performance of Students by Machine Learning Approach	4	I
2	1305	1.Kirubakaran 2.Yuvanesh.N 3.Dhino Bilgates	Ranjana R	SEC-ECE	Virtualization using DOCKER Containers for Reproducible Desktop Environment	4	II
3	1106	1.Selva Narayanan.A 2.Magesh.K	Prathibha Soma	SEC-CSE	E MISHA	4	III
GOAL 5							
1	789	1.Praveen Balaji.S 2.Krishna Kumar.B 3.Manisha.M	Kamala B	SEC-CSBS	Seeduino Based Smart Safety and Emergency device for women	5	I
2	1136	1.Abinaya Ravi 2.Shriranjani Iyaninan	Lakshmi G	SEC-EEE	Aegis Surtout	5	II
3	714	1.Ram Gomathi.K.S 2.Dharshwin.G.J 3.Jeeva.s	Vijayalakshmi J	SEC-CSE	Website Blocker	5	III
GOAL 6							
1	969	1.Prithivi.P.K 2.Advaith.B 3.Krishna 4.Abishek.K	Saranya.R	SEC-IT	Spy Drain an Integrated mobile application for smart drainage	6	I
2	1060	1.Krishnan.B 2.Pravin Kumar.P 3.Yashwanth	Mohan Raj K	SEC-IT	Vatten smart water monitoring system	6	II
3		1.Harini.M 2.Rohind 3.Praveen Raj.S 4.Madhumita.S		SEC-ICE	Efficient model based controller for water treatment plant	6	III

SAIRAM SDG INNOVATHON 1.0 WINNER LIST

SNO	PROJ ID	NAME	GUIDE	DEPT	TITLE	SDG GOAL	PRICE
GOAL 7							
1	801	1.Harivathan.R 2.Harish.S 3.Dhananchezhian.S	Vetre Selvan .E	SEC-MECH	Design and fabrication of solar window	7	I
2	721	1.Bharanidharan.M 2.Prince Alan Paul.M 3.Sathya Sundar.D	Muthamizhan T	SIT-ECE	E Bag	7	II
3	1037	1.Manusudhan.B 2.Gunaa.S 3.Harish.A	Muthamizhan T	SIT-EEE	Investigation of Transformerless multilevel Inverter schemes for PVsystems	7	III
GOAL 8							
1	1039	1.Sharmila.B 2.Abinaya.K	Julie J	SEC-IT	A real time sign language detection algorithm based on Yolo V5	8	I
2	822	1.Santosh Kumar .D 2.Dharunesh.B.K	Sivaramakrishnan .S	SEC-CIVIL	Study on Characteristics of Plastic coated Aggregate	8	II
3	1263	1.Sri Sanjay Kumar:M 2.Karthick Selvan 3.Nijathan.S	Ulaganathan N .S	SIT-CSE	Automation of fire extinguisher using Deep learning	8	III
GOAL 9							
1	795	1.Harish Shravan 2.Vasundharadevi.D 3.Santhosh Krishna	Dr. C. Parswajinan	SEC-MECH	Design Fabrication of cvt cooling system	9	I
2	804	1.Rawin Raj 2.Saranprakash.S.P 3.Vishnu.S	Azhagumurugan R	SEC-EEE	Automatic Rechargeable E-bike	9	II
3	892	1.Nethaji.S 2.RahulRaj.B 3.Dhanasekaran.S	Nisha N	SEC-CIVIL	Experimental Study on Concrete using Geotextils Composites	9	III
GOAL 10							
1	1087	1.Ramkumar.L 2.Brindha.J 3.Meghaa.H	Shanmugapriya P	SEC-ECE	- Boneid A Jaw bone Conductive	10	I
2	1124	1.Deepika.R 2.Pooja.G 3.Shervena.B	Chitra R	SEC-ECE	Intelperformanzo - Performance Evaluation & Rehabilitation System	10	II
3	1255	1.Porkodi Andal.R 2.Jayapriya.M 3.Sweetty Janet	Poorna Pushkala K	SIT-CCE	DL based Approach for sign language Recognition	10	III
GOAL 11							
1	1047	1.Sanjay venkat 2.Shree madhi B 3.Bavanika 4.Karanam Poorna Sri	Gowrishwari S	SEC-AIDS	Automatic smart traffic signal and dedicated traffic light for emergency vehicles	11	I
2	1156	1.Ahilan A 2.Deva Prasath 3.Sabthagiri 4.Kathiravan	Srithar A	SIT-ECE	Grinder 2.0	11	II
3	1030	1.Abinaya G 2.Hari babu N 3.Divvyadharsini T	Prabhu D	SEC-CSBS	Stampedes control system	11	III
GOAL 12							
1	865	1.Gokula Krishnan Saravanan 2.Harishkannan B 3.Dhivya prabhan S.V	Brindha S	SEC-MECH	Design, Fabrication & Development of multipurpose Robo	12	I
2	1025	1.Aadam Mohamed Ibrahim R 2.Sekar P 3.Vishal prasanna G	Josephine Ruth Fenitha	SIT-ECE	Automated Warehouse System	12	II
3	998	1.Jeswini Devi N 2.Arulpathi V 3.Rudra Murthy K	Vetre Selvan .V	SEC-MECH	Sanitary Napkin Disposal Machine	12	III
GOAL 13							
1	991	1.Gayathri M 2.Anushree U 3.Shivani T.S	Manikandan J	SEC-CSE	Auto Climate Deducer	13	I
2	717	1.Teja Sri 2.Supriya Venkatesan 3.Meenaloshini 4.Elayaraja	Deiva nayagi S	SIT-AIDS	Solar Powered smart irrigation system using iot	13	II
3	883	1.Kotiswaran B 2.Gokulmadhavan B	Madhana Mohan K	SEC-IT	Agrofacts	13	III

SAIRAM SDG INNOVATHON 1.0 WINNER LIST							
SNO	PROJ ID	NAME	GUIDE	DEPT	TITLE	SDG GOAL	PRICE
GOAL 14							
1	1035	1.Arun Raja M 2.Abijay Gopal S	Sivaprasad	EEE-SEC	An autonomous hydrobot for monitoring and collecting marine debris	14	I
2	1119	1.Vaishnavi S 2.Udhaya Vani	Manju T	SEC-IT	Fish farm management system	14	II
3	1036	1.Jebin Benadict JS 2.Ilanthirayan S 3.Keerthivasan	Thamarai Selvi G	SIT-ECE	Shrimp cultivation using IOT	14	III
GOAL 15							
1	1054	1.Sri Harish 2.Dinesh T 3.Praveen rao	Naveenraju D	SIT-ECE	Hydraulic Sprayer for Agriculture using Drone	15	I
2	1042	1.Umeshnandan S 2.Ekambareshwaran S 3.Siva kumar R	Krishnaraj S	SEC-ICE	Free flowing Robot for Automatic Pipeline leak detection	15	II
3	806	1.Sudharsan V 2.Ragavan R 3.Tarun Kumar R	Vijaya Ramnath B	SEC-MECH	Design and Fabrication of low cost tractor with multiple farming operation	15	III
GOAL 16							
1	961	1.Praveen Kumar A 2.Adhithiyan R 3.Ananth K	Sudhakar M	SEC-ICE	E-Vehicle charging using wireless power transmission	16	I
2	708	1.Saravanan S 2.Arulnithi R.G 3.Kavin 4.Prabhakar	Julie J	SEC-CSBS	Suspicious Activity Detection	16	II
3	737	1.Ponsri Varshav C 2.Srikanth V 3.Dhanush R	Manikandan J	SEC-CSE	Biometric bases smart electronic voting machine using IOT	16	III
GOAL 17							
1	1003	1.Saravana Balaji B 2.Siva Prasad S 3.Vishnu C	Rajarajan S	SIT-ECE	Novel design of micro strip patch antenna for millimetre wave 5G application	17	I
2	912	1.Hashika S 2.Rithiksha MV	Manju.T	SEC-IT	Hand Gesture Recognition System	17	II
3	707	1.Suraj S 2.Pravin kumar P.R 3.Balaji arumugam 4.Roshan kumar M	Rajakumar P	SEC-CSBS	Effective lighting management system in automobiles	17	III

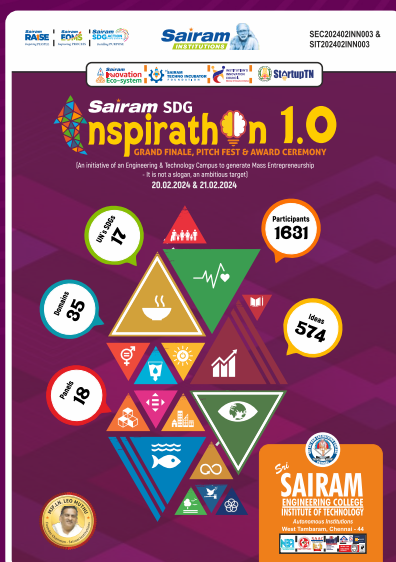
 Sairam [★]SDG
inspiration 1.0

Sairam SDG Inspirathon 1.0

Sairam SDG Inspirathon 1.0 was launched on **2nd August 2023** during the signing of an **MoU with IIEC**. This initiative aimed to inspire students to develop innovative solutions aligned with the UN Sustainable Development Goals (SDGs). It underscored the institution's commitment to fostering global sustainability and collaborative innovation.



The Sairam SDG Inspirathon 1.0 was held on 20th & 21st February 2024, with 1631 participants across 574 teams under 17 SDG themes. The Grand Finale at Sri Leo Muthu Indoor Stadium and the Pitch Fest at Sairam Techno Incubation Centre brought together experts, investors, and mentors to evaluate innovative student ideas. The event, convened by institutional leaders, fostered creativity and entrepreneurship aligned with the UN Sustainable Development Goals.



EVENT HIGHLIGHTS



SAIRAM SDG INSPIRATHON 1.0

Position	Innovation Project ID	Members	Title	College	Dept
GOAL NO. 1 & 5					
3	SEC20CBIN437	Praveen Balaji S Krishna Kumar B M Manish	Seeeduino Based Smart Safety And Emergency Device For Women	SEC	CSBS
2	SIT20CSIN191	Minu Dhakshina Deepika Lakshmi M.B Aanandhini S	Know Them	SIT	CSE
1	SEC20EIIN219	Nithyashree N Janani Dillibabu	Iot Based Health Monitoring System	SEC	EIE
GOAL NO. 2					
3	SEC20CBIN096	Harithaa S Venkat Ram S Luckysha M	Mark It System	SEC	CSBS
2	sit20ecin146	Harinishrii V.S Nithyasree V Ananya A	A Novel Approach To Monitor And Protect Agriculture (Agrarmour)	SIT	ECE
1	sit20ecin155	Sitheshvaraa U Showkar Sakthi N Ani Sugesh D S	Plant Disease Detection Robot	SIT	ECE
GOAL NO. 3					
3	sec20cbso399	Keerthanana J Divya Bharathi M Sree Lakshmi G	Cataract And Glaucoma Detection System	SEC	CSBS
2	sec20ecin092	Suvarna Lakshmi S Ashwini R G Soundharya R	Autonomous Surveillance Robot	SEC	ECE
1	sec20ecin115	Kabilan E Sathish Kumar A Rubeshkumar N K	Wearable Seizure Detector For Epilepsy Patients	SEC	ECE
GOAL NO. 4					
3	SIT20CSIN156	Adhavan M Suraj R Dhanush G	Web Indexed Curated Learning Platform	SIT	CSE
2	SEC20CSIN289	Selvam M Gurumoorthy S	College Communication App	SEC	CSE
1	SEC20CSSO313	Sarath Kumaar Krishnamurthy C Akilan R Adithya Harish	Automatic Timetable Generator	SEC	CSE
GOAL NO. 6					
3	SEC20ICIN581	Harini .M Rohind Praveen Raj. S Madhumita S	Efficient Model Based Controller For Water Treatment Plant	SEC	ICE
2	SEC20MESO220	Selvam S Viknesshwar A B Sibi Singaram S K	Design and Development of Semi Automatic Sewage Cleaner	SEC	MECH
1	SEC20MESO366	Jeswindvei Sundaramoorthy Arulpathi	Sanitary Napkin disposal Machine	SEC	MECH
GOAL NO. 7					
3	SEC20MESO169	Harish S Harivathan R Dhananchezhian S	Design And Fabrication Of Solar Window	SEC	MECH
2	SECL21MEIN103	Manikandan .S Guru Prasadh Nizam Muazzam S H	Design And Fabrication Of Electrical Vehicle For Physically Challenged Person	SEC	MECH
1	SIT20ECIN038	Bharanidharan M Prince Alan Paul M Sathya Sundar D	E - Bag	SIT	ECE

GOAL NO. 8					
3	SIT20ITIN003	Santhiya S Kirubavathi D Hanusooyaa Bk	Js Based Ip Tracking To Detect Changes In Ip	SIT	IT
2	SIT20ITIN002	Sowrerajan N Vinish S Jagadishwaran K.A	Agri-Connect	SIT	IT
1	SIT20MEIN239	Abinesh .S.G Kishore K Rajavel K	Mechanical Characterization Of Alloy 6061 Reinforced With B4C And Mos2 For Automobile Application	SIT	MECH
GOAL NO. 9					
3	SIT20EEIN167	Vanitha K Reshma S Sai Isha.S	Integrated Li-Fi Communication For Smart Robotic Control	SIT	EEE
2	SEC20CESO204	Bhuvaneshwar Y Suriya M Dinesh Babu	Light Emitting Concrete	SEC	CIVIL
1	SIT20ECIN032	Ahilan A Deva Prasath Sabthagiri Kathiravan	Grinder 2.0	SIT	ECE
GOAL NO. 10					
3	SIT20COIN118	Sathish S Aravindh T S Aakaash M	Messenger For Visually Impaired People	SIT	CCE
2	SEC20ECIN055	Meghaa H Brindha J Ramkumar L	Boneid - A Jaw Bone Conductive Hearing Aid	SEC	ECE
1	SEC20ADIN306	Hemanth M Sudharsan S C Sumesh Chakkaravarthi Ramkumar .S	Toofan: Education For The Future	SEC	AIDS
GOAL NO. 11					
3	SEC20CESO224	Keerthana B Jessica Jenny James Rajashree A	Comparative Strength Analysis Of Bubble Deck Slab With Conventional Slab	SEC	CIVIL
2	SEC20ITIN321	Padmapriya V Aadersh R Gayathri S	An Iot System For Sitting Posture Detection Using Ultrasonic Sensors And Web Application	SEC	IT
1	SEC20ADIN322	Sanjay Venkat Shreemadhi B Bavanika Murugan	Automatic Smart Traffic Signal Light And Dedicated Traffic Light For Emergency Vehicles.	SEC	AIDS
GOAL NO. 12					
3	SIT20MEIN062	Nivashkumar R Bharathi D Allan Armstrong	Performance Analysis Of Fiber Reinforced Plastic Metal Matrix Brake Pads	SIT	MECH
2	SEC20ECIN048	Priya Dharshini Rithick Roshan B Arunn T	Saffron Harvesting Using Robotic Arm Embedded On A Rover	SEC	ECE
1	SEC20CBIN113	Ganesh Ram.M Naresh G Abdul Wahhab J	Nag Ecommerce- Buying&Selling Of Pre-Owned Clothes	SEC	CSBS
GOAL NO. 13					
3	SEC20MESO163	thosh Krishna Vasundharadevi D Harish shravan	Deisgn fabrication of CVT Cooling system	SEC	MECH
2	SEC20EEIN204	Srigomathi S Afrin Ruqayyah Fathima M Abirami R K	Programmed Number Plate Recognition Using Deep Learning	SEC	CSBS
1	SIT20MEIN061	Krishnaa .P Mahesh S Ashwanth Pl Bhuvanesh P	Experimental Analysis Of Climatic Chamber Using By Honey Comb Pad	SIT	MECH

GOAL NO. 14					
3	SEC20ECIN416	Nataraj Tr Morrven Rajan Madhan Nagarajan	Water Monitoring System For Aquatic Organisms	SEC	ECE
2	SEC20ADIN300	Eshwar Balaji J Abhinav Suresh Dhinesh Babbu A	Autonomous Underwater Vehicle For Hull Inspection	SEC	AIDS
1	SIT20ECIN143	Vikash V Ragav A Ashwin R	Autonomous Boat	SIT	ECE
GOAL NO. 15					
3	SECL21EEIN266	Yokeswaran S Yuvaraj N Guneshwar M	Gas Leakage Detection And Refilling System With Automated Fault Clearness	SEC	EEE
2	SIT20ADIN079	Srinidhi Cs Pavithra Y Reena S	Tech-No-Wild	SIT	AIDS
1	SECL21MESO174	Sudharsan V Ragavan R Tarunkumar R	Design And Fabrication Of Low Cost Tractor With Multiple Farming Operation	SEC	MECH
GOAL NO. 16					
3	SECL21CSIN245	Ponsri Varshav C Srikanth V Dhanush R	Biometric Based Smart Electronic Voting Machine Using Iot	SEC	CSE
2	SEC20EEIN261	Tharunkumar P Sundar Narayanan Karthick A	Disposable Light Weight Drone	SEC	EEE
1	SIT20MEIN318	Vishal D Suresh Kumar Karthi Keyan.S Sidhaarthan M	Automatic Fire Extinguishing Drone	SIT	MECH
GOAL NO. 17					
3	SECL21ADIN314	Ananthaprabhu A Shyaam Ganesh Kolahalani.B Balaji	Distributionally Adaptive Meta Reinforcement Learning	SEC	AIDS
2	SEC20ITIN275	Hashika S Rithiksha M.V	Hand Gesture Recognition System	SEC	IT
1	SEC20CSIN366	Adnan Md Faizal Ahamed I M	Fast-Aid	SEC	CSE
WILDCARD ENTRY					
3	SEC20ITIN413	Sneka L PAVITHRA P	GEVAC-GARBAGE EVACUATION SYSTEM(9)	SEC	IT
2	SEC20ECIN064	Mathumitha Srinivasan JAYASAKTHI J R Jagadeesh Ramesh	PERFORMANCE ANALYSIS OF PROJECTILE MOTION USING IOT (9)	SEC	ECE
1	SEC20MESO232	Mohamed Hanifa Lekshmikanth L Jayasooriya M	RAD BETT SESSEL(3)	SEC	MECH
OVERALL CHAMPION					
RUNNER2	SEC20CSSO186	Sadagopan Pradosh S Vishal L.R	Cropify	SEC	CSE
RUNNER1	SEC20ECIN053	Ajay Prasath Vijayendiran A G	"Waverider" - An Autonomous Boat For Garbage Collection, Aquaculture And Rescue Operations	SEC	ECE
WINNER	SEC20ECIN093	Kishore K DHANUSH KUMAR Sriram Santhosh Rajkumar	Pulse diagnoser(3)	SEC	ECE

Cycle 1.0 ACHIEVEMENTS 2021 - 2024



Sri SAIRAM
ENGINEERING COLLEGE
INSTITUTE OF TECHNOLOGY
Autonomous Institutions
West Tambaram, Chennai - 44

Organizers



Celebrating Excellence



SMART INDIA HACKATHON 2022

MASTER MAGGOT



SENER



VISUAL SPECTACLE



MATRIX 001



LECCY



JARVIS VISION



DOTS / SIT



Congratulations

to the **7 TEAMS** from SEC & SIT on winning the **SIH 2022**.



Sairam
INSTITUTIONS

Dr. K. Palanikumar
Principal/SIT

Dr. K. Porkumaran
Principal/SEC

Shri. Sai Prakash LeoMuthu
Chairman & CEO





Sri SAIRAM
ENGINEERING COLLEGE
INSTITUTE OF TECHNOLOGY
Autonomous Institutions
West Tambaram, Chennai - 44

Organizers



Congratulations

to our Prize winning Students & Mentors



SMART INDIA HACKATHON 2023

4

TEAMS

Sairam Institutions
has won the **FIRST PRIZE** in
All India Level with a Cash Prize of
Rs. 1,00,000/-



ZHAGARAM



ELECTRO



MOTORWAY MAVERICKS



THE DICE DEFENDERS 6.0



Sairam
INSTITUTIONS

Dr. K. Palanikumar
Principal / SIT

Dr. K. Porkumaran
Principal / SEC

Dr. Sai Prakash LeoMuthu
Chairman & CEO



Cycle 1.0 ACHIEVEMENTS 2021 - 2024

Congratulations!

to our Prize winning Students & Mentors

SMART INDIA HACKATHON 2024

9

TEAMS

Sairam Institutions
has won the **FIRST PRIZE** in
All India Level with a Cash Prize of
Rs. 1,00,000/-

ASTRIX7007

ELECTRIZZ3699

SMART SMURFS 561

V R WARRIORS 923

RISINGPHOENIX076

ZHAGARAM007

EPIC EXPLORERS 6.0

RADIANCE 07

GLOBE PREVENTERS 24

SCOPE MEMBERS

STRATEGIST	Dr. B. Sreedevi
CAPTAIN	Dr. C. R. Rene Robin
ORGANISER	Dr. P. Rayavel
PROPAGATOR	Mr. K. Mohanraj
EXECUTOR	Mr. M. Subramanian
	Dr. L. Vijayaraja

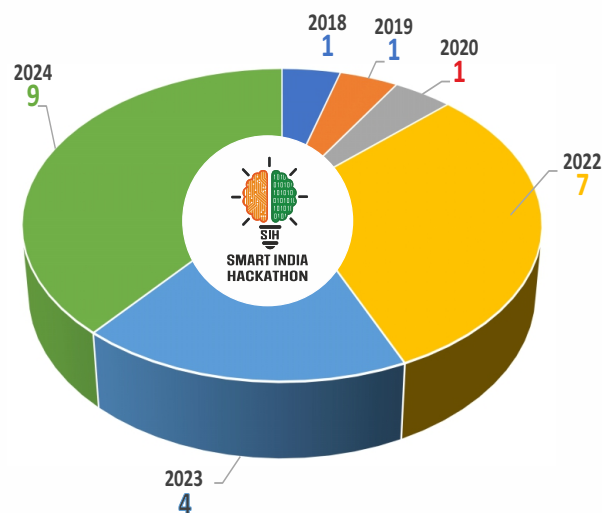
Dr. C. R. Rene Robin
SIH 2024 SPOC
Dean (Innovation)

Dr. K. Palanikumar
Principal / SIT

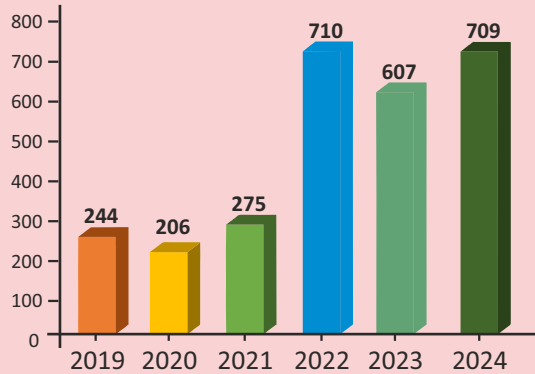
Dr. J. Raja
Principal / SEC

Dr. Sai Prakash LeoMuthu
Chairman & CEO

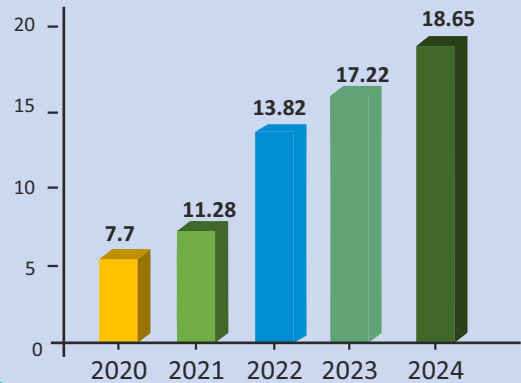
SMART INDIA HACKATHON WINNERS



Cycle 1.0 ACHIEVEMENTS 2021 - 2024

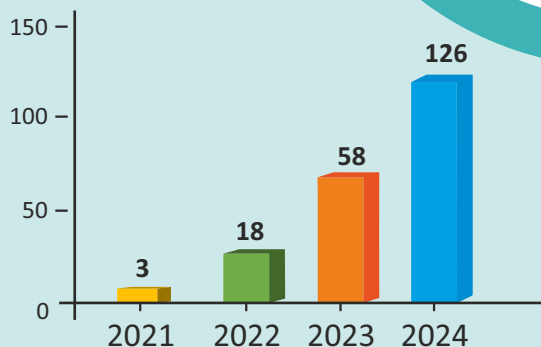


**PAPER
PUBLISHED**

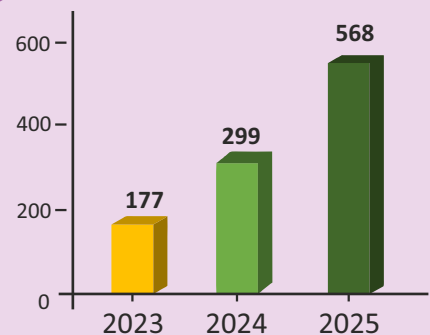


**NIRF RANKING
(RP)**

PATENT



**PLACEMENTS
(TCS)**





Sri
SAIRAM
ENGINEERING COLLEGE
INSTITUTE OF TECHNOLOGY

Autonomous Institutions

Campus: Sai Leo Nagar, West Tambaram,
Chennai - 600 044.

www.sairam.edu.in / www.sairamit.edu.in

Administrative Office: "Sai Bhavan",
31B, Madley Road, T.Nagar,
Chennai - 17. Ph: 044-4226 7777.

www.sairamgroup.in



Sairam
RAISE
Inspiring
PEOPLE

Sairam
EOMS
Improving
PROCESS

Sairam
SDG ACTION
PROGRAM
Instilling
PURPOSE



Together we can...