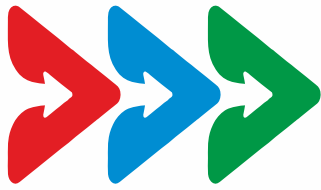# Sri SAIRAM TECHNO INCUBATOR FOUNDATION

ACHIEVEMENTS

VISION 2025

PEOPLE + PROCESS + PURPOSE = SUCCESS

At Sairam, we realize that the higher education sector is under significant pressure to adapt to the changing needs of the future. Institutions need to become more operationally efficient and effective, improve student outcomes, increase access to higher education, recruit and retain top faculty and researchers, and more.

Effective transformation in these areas requires an organization-wide strategic approach that seeks to improve and enhance organizational models, operating processes, technology, leadership, and talent models. We have adopted a 3Ps model of aligning People, Process and Purpose with the vision of the organization.
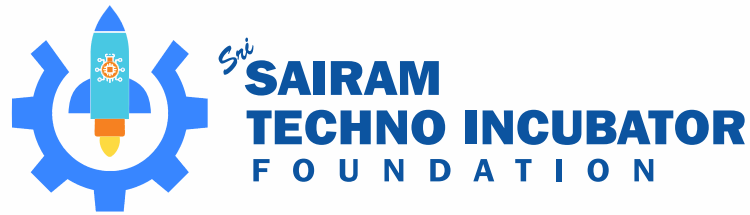
Inspiring **PEOPLE** — Sairam **RAISE**

Improving **PROCESS** — Sairam **EOMS**

Instilling **PURPOSE** — Sairam **SDG ACTION PROGRAM**

To achieve the Innovation and Incubation systems, change should start from home. Sri Sai Ram Engineering College (SEC) and its group of institutions have more than 25,000 students on board with 2000 faculty members https//sairamgroup.in/.

Sri Sairam Engineering College has a very innovative way of making its students identify problems across their locality, in their district and across the state and the country. To accomplish one of the missions of Sairam Institutions **"One Student - One Startup",** a competition based innovative pedagogy has been introduced in the name of **Sairam Innovation Eco-system**. This ecosystem is being well supported by Sri Sairam Techno incubator Foundation (SSTIF) established in the year 2020.

The students have been motivated to execute projects and numerous innovative ventures related to Sustainable Development Goals SDGs in pursuit of contributing to a better human society. In order to make the students know the requirements of Panchayat, the institution is associated with the **State Institute of Rural Development SIRD**. The need of the sustainable products to the local panchayat being facilitated by SIRD officials through immersion program and field exposure visit. Also, the institution executed MoU with Thirumudivakkam Industrial Estate Manufacturers' Association **TIEMA** and Ambattur Industrial Estate Manufacturers' Association **AIEMA** for the design, development and testing of defence and commercial products to assist the MSME's. The SSTIF promotes Innovation, Cocreation, Piloting, Testing and Indigenization. The SSTIF is providing physical space, equipment, coaching, shared services, and networking opportunities.

There are **86 start-ups' with 50000 square feet** area available at the college premise and promoting various Defence sectors like Drone Technology, IoT, Marine technology, Robotics, Cyber security, block chain, Additive Manufacturing, AI, Agriculture, Rescue, AR/VR/MR. The incubation startups have raised 1.25 crores funds from **IDEX, EDII-TN,** Lockheed Martin, AMTZ Andhra Pradesh, IIT Mandi and IIT Kharagpur etc as on date.

The **incubation unit sponsored 2.67 crores funds** for the infrastructure and Research Development activities of the startups. The core areas of Incubation are Defence, Drones, Agriculture, AIML, Robotics, AR/VR/MR Additive Manufacturing. The Institution has been recognized as one of the approved **Business Incubators of MSME and SEC -TDC Facilitation centre.** The Incubation centre has signed MoU with nearby incubators such as **AIC Anna University Incubation Foundation, iTNT Hub Tamil Nadu Technology Hub, Vel Technology Business Incubator, Tamil Nadu Smart and Advanced Manufacturing Centre TANSAM, TICEL Bio Park Limited, etc.** to support startups for providing world class facilities through coincubation. Through its EDII TN Voucher scheme, the EDII TN provided significant support to Sri Sairam Techno Incubator. EDII TN has so far helped 6 startups. EDII TN is assisting our nascent and growing startups.

Sri Sairam Techno Incubator Foundation Startups and Sairam Institutions Received Grants from Various Organisation

Entrepreneurship Development and innovation Institute (EDII) Tamil Nadu			
Sl.No	**Company Name**	**Fund Received**	**Persons**
1	Agsaimo	200000	Dr. Thanuja
2	Big Bucks Innovation	200000	Dr. Anandhi
3	Genik Innovation	700000	Mr. Sai Ganesh
4	Miceberry India Private Limited	300000	Ms. Sasikala
5	Skycatch Bots	300000	Mr. Mohan Raj
6	Technoraise Private limited	500000	Dr. Swagatha Sarkar
iDEX- Defence Innovation Organization -Defnce India Startup Challenge (DISC) – 7 Sprint Winner			
7	Armor Grandeur Private Limited	8910320	Dr. K. Porkumaran
Ministry of Micro Small and Medium Enterprises MSME Idea Hackathon Winner 2.0			
8	Smile Health Care Technologies	1400000	Dr. Tamil Selvi
9	Jaiesh D	1400000	Mr. Jaiesh
10	S. Kesav Sanadhan	700000	Mr. S. Kesav Sanadhan

"The future belongs to those who can innovate and adapt."

– Eric Ries, Author of The Lean Startup

In today's rapidly changing world, education is not just about imparting knowledge and skills, but also about developing a mindset that fosters creativity, innovation, and design thinking. As technology continues to advance at an unprecedented pace, it is crucial for educational institutions to keep up with the changing times and equip students with the necessary skills to thrive in this dynamic environment.

One way to achieve this is through live-in labs, which provide a unique learning experience that goes beyond traditional classroom settings. Live-in labs provide an immersive environment where students can apply their knowledge and skills to real-world problems and challenges. This hands-on experience helps them develop critical thinking, problem-solving, and collaboration skills, which are essential for success in today's world.

Furthermore, innovation is a crucial aspect of education, especially in the fields of science and technology. It is important for students to understand the significance of innovation and how it can transform society for the better. With design thinking, students can learn to approach problems in a creative and innovative way, finding unique solutions that meet the needs of people.

Technology plays a significant role in the education process, making it possible to deliver more engaging and personalized learning experiences. From online classes to e-learning platforms, technology has revolutionized the way we learn and has made education more accessible and affordable. Additionally, technological training is essential to prepare students for careers in the 21st century, where digital literacy is a necessary skill.

Innovation and technology go hand in hand, with technological advancements often driving innovation. However, it is important to note that innovation is not just about developing new technology, but also about finding new ways to use existing technology to solve problems and improve people's lives.

In conclusion, education, design thinking, innovation, technology, and live-in labs are all interconnected in today's world. By incorporating these elements into the education system, we prepare our students for a future that is constantly evolving and changing. We keep up with the times and equip students with the necessary skills to succeed in this dynamic world.

Sai Prakash Leo Muthu

Dr. SAI PRAKASH LEOMUTHU
Chairman & CEO

In today's rapidly changing world, it's essential that students are equipped with the skills and knowledge to adapt and thrive in an increasingly technological society. Incorporating education design thinking and innovation into the curriculum can provide students with the tools they need to become adaptable, creative problem-solvers. Additionally, offering technology training programs can ensure that students are well-versed in the latest technological advancements, further enhancing their ability to excel in a modern workforce. Accelerator programs can also provide a unique opportunity for students to learn by doing, allowing them to gain hands-on experience and make valuable connections with industry professionals. At Sairam by combining education design thinking, innovation, technology training, and accelerator programs, we create an environment that fosters collaboration and experimentation, preparing students for the challenges and opportunities of the future.

I appreciate the mentors and students participate in the endeavour!

K. NARESH RAJ
Chief Information Officer

'Hard work harvests honour and smart work entices success.'

It is a matter of great pride and satisfaction for SaiRam Institutions to bring out such an innovative idea to exponentially highlight the creativity of students. We at Sai Ram Institutions are elated to have such knowledgeable and dedicated faculty to support our students and help each individual to realize his or her true potential in order to become a successful young adult in today's world. The Ideathon 1.0 true to its purpose by materialising the talents and creativity of the students, enriched them as individuals with a goal to attain professional and personal excellence. I express my earnest wishes to the students for their successful endeavours in the future.Humanity invariably believe that hardships in life bring out the greatness in a person.

"Adversity always presents opportunities for introspection."

"Suffering is the essence of success!"

Indubitably, these are the dynamic words of Dr. A.P.J. Abdul Kalam, the most influential personality among the youth in modern India. Sufferings make us strong because we are survivors. "Let survival be your only goaland success be your only trophy!"

Warmest Regards!

R. SATHISH KUMAR
Chief Business Officer

"Entrepreneurship is not just about having a great idea, it's about having the skills, knowledge, and resources to turn that idea into a successful business."

Live-in labs, boot camps, and business model development concepts are three interconnected approaches that have revolutionized the way entrepreneurs develop and launch their startups. These concepts help entrepreneurs to identify their target market, define their value proposition, and develop a sustainable revenue model. At Sairam, by focusing on these key elements, we create entrepreneurs who can create a business that is not only financially viable but also provides value to its customers and stakeholders. These programs represent an opportunity to support and encourage the next generation of entrepreneurs. By providing resources and expertise, we help our students to create a culture of innovation and entrepreneurship that can drive economic growth and social change. By these programs, we create a more vibrant and innovative economy that benefits us all. For an aspiring entrepreneur exciting world of entrepreneurship, we have at Sairam.

Congratulations to the students of Sairam on your entrepreneurial journey. Wishing you success and fulfilment as you pursue your dreams.

Dr. K. Porkumaran
Principal, Sri Sairam Engineering College

Innovation, technology training, and accelerator programs are all essential components of a modern educational system that prepares students for the complexities of the 21st century. This approach can empower students to become lifelong learners who are well-equipped to navigate a rapidly changing world. By leveraging the latest technological advancements, we provide our students with cutting-edge tools and platforms to experiment and create, further enhancing the educational experience. By combining education design thinking, technology, innovation, technology training, and accelerator programs, we create a dynamic learning environment at Sairam that emphasizes collaboration, experimentation, and critical thinking, preparing students to succeed in an ever-evolving world.
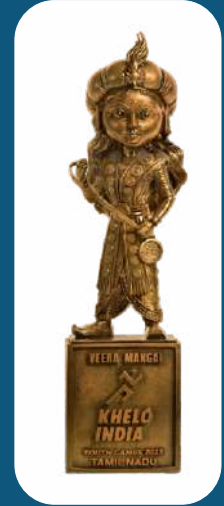
Dr. K. Palanikumar
Principal, Sri Sairam Institute of Technology

Team had a discussion with **Dr. P.T.R. Palanivel Thiagarajan,**
Minister of Information Technology and Digital Services of Tamil Nadu.

Our Startup Silaii showcased their products to the
Mr. Anbil Mahesh Poyyamozhi
the Minister for School Education in Tamil Nadu

Our startup Silai Product
Launch of Khelo India Youth Games Momento

Inspirathon 1.0 Lauch by Sivarajah Ramanathan
Mission Director & CEO of StartupTN

Launch of Pavithram Ayurveda Pharmacy Products

Discussion with Thalikottai Rasuthevar Baalu Rajaa Minister for Industries, Investment Promotions and Commerce in the Government of Tamil Nadu during Startup Thiruvizha

Sairam Institution team interaction with Thalikottai Rasuthevar Baalu Rajaa Minister for Industries, Investment Promotions and Commerce in the Government of Tamil Nadu

Our team discussed with Thiru.T.Mano Thangaraj, Hon'ble Minister of IT & Digital Services, Government of Tamil Nadu in Startup TN's UMAGINE CATALYST Chennai on 09.03.2023

Palanivel Veeramuthuvel project director of the Chandrayaan-3 mission
had Interacted with Sairam Mars Rover students' team and our Startups products.

Team interacted with Natesan Krishnasamy Rangasamy in the Chief Minister
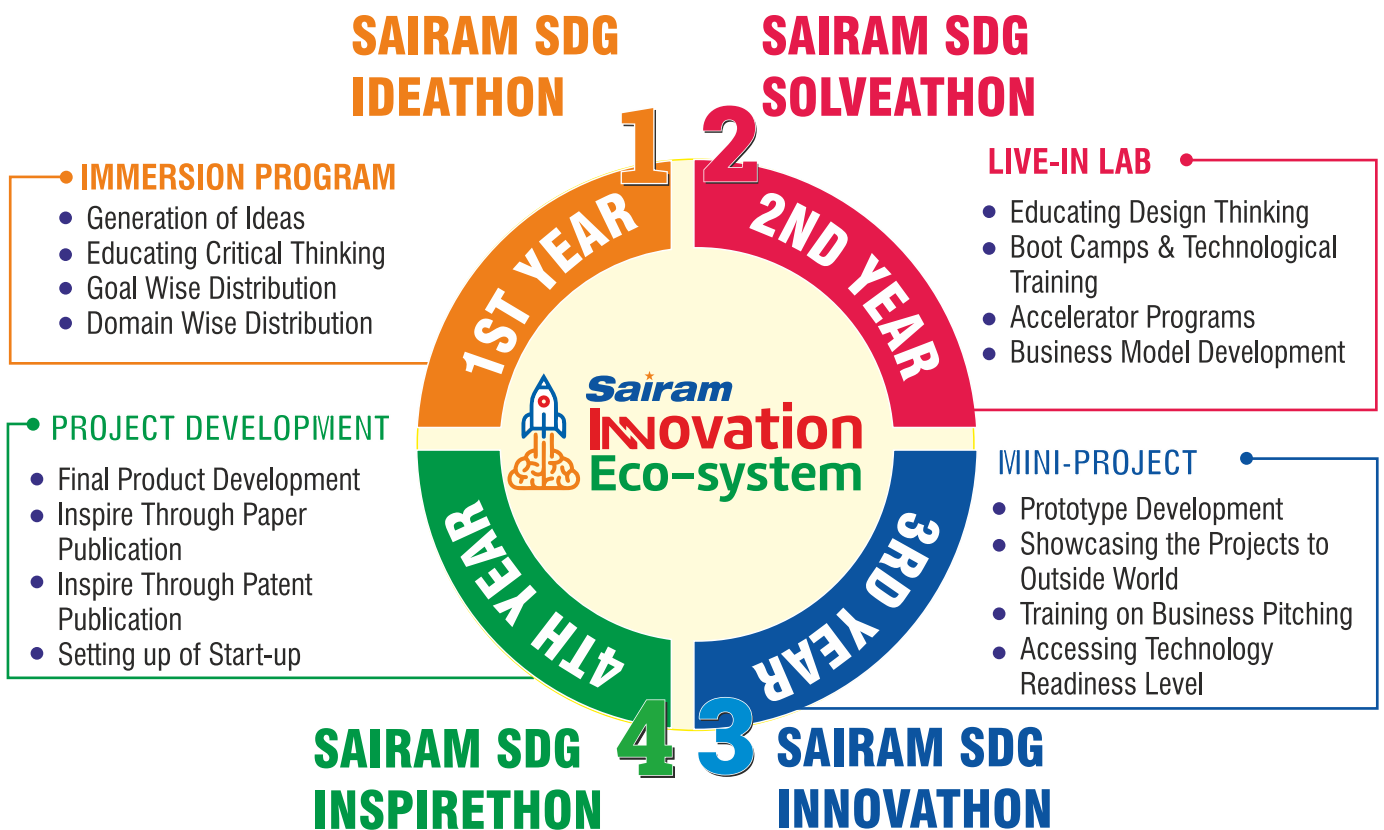of the Union Territory of Puducherry during IMPEXPO 2023

Jet Engine team interacted with Dr. K. Sivan, Secretary, Department of Space,
Chairman, Space Commission and Chairman, Indian Space Research Organisation (ISRO)

Drones and Underwater Vehicle team interacted with Mylswamy Annadurai, Indian scientist
working as vice president for Tamil Nadu State Council for Science and Technology,
Chairman, Board of Governors, National Design and Research Forum

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

IMMERSION PROGRAM
- Generation of Ideas
- Educating Critical Thinking
- Goal Wise Distribution
- Domain Wise Distribution

PROJECT DEVELOPMENT
- Final Product Development
- Inspire Through Paper Publication
- Inspire Through Patent Publication
- Setting up of Start-up

SAIRAM SDG SOLVEATHON

LIVE-IN LAB
- Educating Design Thinking
- Boot Camps & Technological Training
- Accelerator Programs
- Business Model Development

MINI-PROJECT
- Prototype Development
- Showcasing the Projects to Outside World
- Training on Business Pitching
- Accessing Technology Readiness Level

SAIRAM SDG INSPIRETHON

SAIRAM SDG INNOVATHON

Sairam Innovation Eco-system

1ST YEAR — 2ND YEAR — 3RD YEAR — 4TH YEAR

SILAII was envisioned and structured with a revolutionary and ingenious perspective of bringing innovation, unbridled emotions, abundant love and nostalgia through sculptures that help us reminisce the icons that inspire us and also personalised sculptures of our close ones who constantly live with us through our memories.

We bring these beautifully crafted sculptures to your home, providing the experience of a lifetime to our clients and bridging the gap with our motto that sculptures can be customised and adorn our homes providing us with inexplicable happiness and motivation, bursting the notion that sculptures can be only present in public exhibitions or displays.

We are the perfect blend of superlative technical finesse and passionate creative nuances to provide magnificent sculptures and other associated products.

WHAT WE DO?

At Blunav, we create intelligent airport systems and services to enable safe, predictable and efficient airport operations.

WHO WE ARE?

Blunav is an Airports Systems company incubated at IIT Madras, India. We work on Air Traffic Control & Communication, Navigation and Surveillance (ATM/ CNS) technologies to streamline airport processes, and aid airport to operate safely and efficiently.

OUR OFFERINGS

➢ GIS mapping / Photogrammetry synthetic aperture radars (SAR) Mapping

➢ Pollutant profiling & Monitoring high altitude sample collection

➢ Electronic flight strips weather vue

➢ Airport surface manager

➢ Airport field inspection

Uru Custom Instruments uniquely blends historical heritage with modern innovation, reviving ancient musical instruments to enrich contemporary music with culturally rich, time-honoured sounds.

Making Instruments such as the Yazh, Kudamuzha and other Traditional Instruments. Creating Miniatures to revitalize the cultural value of Instruments as Gifts. Creating Free Educational resources to decentralise and learn these Instruments
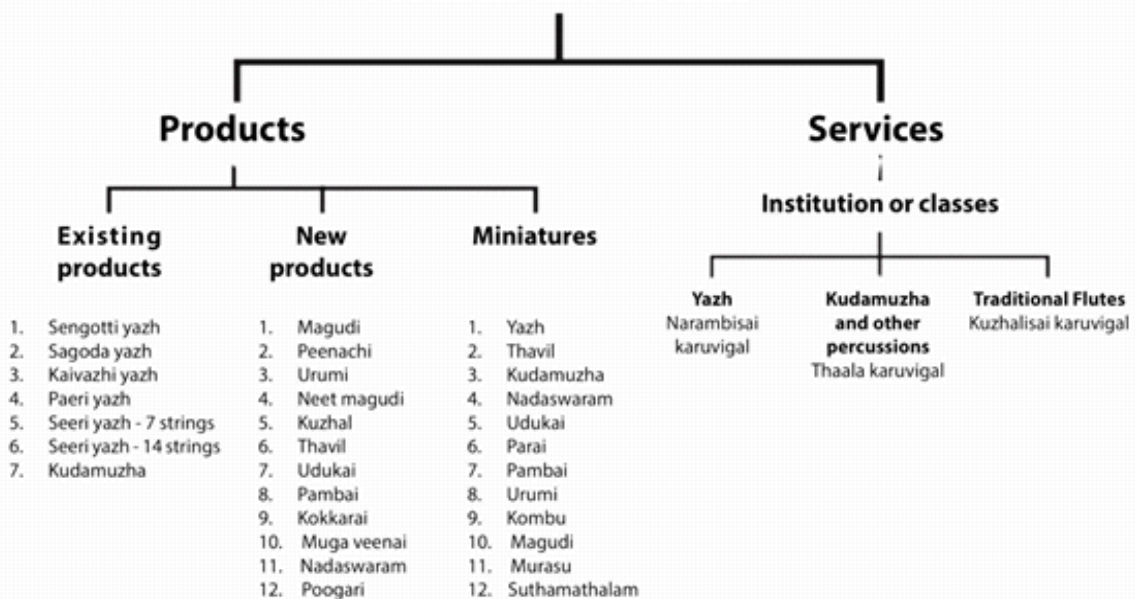

Kudamuzha

Periyazh – 2023

Senkotti Yazh

Products and Services

Products

Services

Existing products
1. Sengotti yazh
2. Sagoda yazh
3. Kaivazhi yazh
4. Paeri yazh
5. Seeri yazh - 7 strings
6. Seeri yazh - 14 strings
7. Kudamuzha

New products
1. Magudi
2. Peenachi
3. Urumi
4. Neet magudi
5. Kuzhal
6. Thavil
7. Udukai
8. Pambai
9. Kokkarai
10. Muga veenai
11. Nadaswaram
12. Poogari

Miniatures
1. Yazh
2. Thavil
3. Kudamuzha
4. Nadaswaram
5. Udukai
6. Parai
7. Pambai
8. Urumi
9. Kombu
10. Magudi
11. Murasu
12. Suthamathalam

Institution or classes

Yazh
Narambisai karuvigal

Kudamuzha and other percussions
Thaala karuvigal

Traditional Flutes
Kuzhalisai karuvigal

Agasimo

We produce various eco-friendly products out of wastes.

Our continuous research and innovation enable us to produce eco-friendly products.

At AGSAIMO, we are on a mission to make a positive impact on the environment by transforming waste into valuable resources. Our journey began with a vision to create a sustainable and prosperous future for generations to come. Guided by innovation, perseverance, and eco-consciousness, we have developed a range of products that nurture the Earth and promote harmonious coexistence with nature.

OUR PRODUCTS

Agarbatti Sticks

Experience our unique agarbatti sticks, made from repurposed floral waste. They blend floral essence, natural binders, and aromas, embodying both fragrance and positive change by reducing waste and supporting communitie

Vermicompost

Experience nature's magic with our vermicompost. Earthworms transform organic waste into a nutrient-rich soil conditioner, promoting plant growth and pest resistance. Elevate your crops and gardens sustainably.

Vermi Liquid

Discover our vermiliquid, a sustainability elixir. Derived from vermicomposting, it's a potent bio-fertilizer, enriching soil and nourishing plants. Embrace nature's potion for your garden's transformation.

Genik Technologies Private Limited is a pioneering startup that has crafted two groundbreaking computational products, "Rearticle.io" and "Neulab.io". Their core mission centers on creating a code-free ecosystem while emphasizing research and purpose. Rearticle.io, a cutting-edge SaaS platform, streamlines typesetting with user-specific LaTeX code generation. With access to thousands of international journals and thesis templates. Meanwhile, Neulab.io, a powerful PaaS, enables the development of AI, quantum, and signal processing models. It also excels in simulating complex environments in telecommunication and power systems.

PRODUCTS

NeuLab

An online engineering and technology simulation platform based on mathematical, predictive, and decisive models powered by artificial intelligence. Simulate technologies from sea to sky rapidly and precisely.

Rearticle
Manuscript Editor

An online LaTeX code-free editor with interactive features. No installation. Multitude of journal templates.

Revo Technologies and Enterprises

Revo Technologies and Enterprises were founded by Dr. MAREESWARAN M, who completed B.E., Mechanical Engineering, M.E.,(Engineering Design) and completed Ph.D in the field of Industrial Engineering, he experienced in many Industries in handling multi disciplinary projects.

Revo Technology and Enterprises is an ISO 9001:2015 certified company manufacturing laboratory Equipments for Engineering Colleges and Poly Technic colleges, Flour Mill Machineries, Feed Mill Machineries, Boilers, and Industrial Blowers. Revo Technologies and Enterprises was started in the year 2010 and involved in many research activities.

Smile Health Care solution

The start-up is aimed to develop healthcare devices to predict diseases at early stage. Some of the diseases are breast cancer and Diabetic foot ulcer. Breast cancer and Diabetic are threatening disease in India. Breast cancer is second largest cancer among the Indian women. Early diagnosis is inevitable to prevent morbidity and mortality. Smile healthcaretechnology is currently focusing to develop Portable, viable, safe and predictive screening tool. This screening tool will be benefited to both urban and rural population.

TOOFAN
EDUCATION FOR THE FUTURE

TOOFAN is an engineering student's start-up to provide qualified smart education for the younger generation. Blending the latest technologies and education together we give a better solution in the field of education. Students can access a wealth of educational resources, engage in interactive AR and VR experiences, and get benefited from personalized learning.

Product of TOOFAN:

We provide a smart education solution that combines a web portal, augmented reality, virtual reality and more. Students can access a wealth of educational resources, engage in interactive AR and VR experiences, and benefit from personalized learning paths tailored to their needs from our web portal called "toofanedu.live"

We strive to empower the industry by contributing creatively and innovate in solutions which meaningfully impact millions of people around the globe

Products

- Fortified Security System
- Crop Weather Prediction App
- Ozone1-Methane Gas Leak Detector
- JARVIS-1 IOT Extension Box
- Ranguski Portable Mosquito Attractor
- Covido Protect App
- LIGHTNING-BOLT UPS

Fortified Security System

SOFTRATE INDIA

WE MAKE IDEAS HAPPEN!

It is no wonder why people make beeline for us as our service speaks.

We're here to manifest your ideas into reality through innovative business strategies by economically feasible & effective services.

ATTRACTIVE WEB DESIGNS & DEVELOPMENT.

Offering Eye-Catchy custom websites with responsive UI/UX designs.

"Our team will design the future of your business",With us, you'll get a personalized website tailored exactly to your needs.With our help, businesses can get websites that will appeal to their target market and generate more leads.We're always up for a challenge, so no matter what your goals are, we can help you to achieve them.

MOBILE APP DEVELOPMENT.

"We committed to providing the highest quality mobile app development service. With a team of experienced developers, we have the skills and knowledge to create unique, functional, and attractive apps.

DIGITAL BUSINESS TRANSFORMATION SERVICES

As the digital landscape rapidly evolves, You must keep up and transform in order to remain competitive. This can be a daunting task, but with our help it can be a successful journey.

CREATIVE GRAPHIC DESIGNING

We specialize in a wide range of design genres, including but not limited to: corporate branding, logo design, web design, advertising, and print media.No matter what type of graphic design work you need done, we can definitely help you out.

Our Story

Curious Wing is a living network of curious minds built by a group of young minds who have clear cut solutions for problems and struggles faced by students every day to choose their dream career.

Mission & Vision

Curious Wings focuses on the Skill development, Career growth & Knowledge acquisition of the learners. We're not just about learning. We're about the future of education. Curated thinking towards helping people to fill the gap between what they know, and how they think. We envisioned to empower learners to be leaders.

What is Curious Wings?

Curious Wings (The company) that aims to simplify the process of learning. We're building the future of education with our innovative intelligence and infinite passion towards enriching people. We're not just a place to learn and grow. We're an opportunity to make your dreams happen. The Curious Wings learning platform is built to provide high-quality, sophisticated digital learning experience that enables people to learn at their own pace, across multiple devices and countries.

Flare Innovation

Founded in 2021 , Flare was born with the vision to improvise the environment by developing products that really matters. The key focus of our company is to propose novel solutions by bringing in innovation in all our products.

We believe even the smallest input can change a negative environment.

We took courage to turn our project ideas into a product one.

We work as a team and we lead each other.

Having a streamlined workflow, analysing the need of the hour and working with a good level of coordination has enabled us to improvise and grow up steadily. In the recent times we have succeeded in developing many prototype models.

They are the Manufacturers of different categories of Drone with the brand name Techno Raise. Partnered with a few well-known companies in order to supply drones as per their requirements.

SPECIALITY

- The special manufacturing process for rendering 100% efficiency
- Customization based on specific applications

THERAN SIDDHA AND PAVITHRAM AYURVEDA PHARMACY PRODUTS

Sl. NO	PAVITHRAM AYURVEDA PHARMACY	THERAN SIDDHA PHARMACY	
1.	Talisadi Churnam	Amukkura Chooranam	Thalai Vali Pasai
2.	Trikatu Churnam	Nilavagai Chooranam	Minsara Thylam
3.	Triphala Churnam	Thirikadugu Chooranam	Mathumega Chooranam
4.	Sitopaladi Churnam	Thiriphala Chooranam	Kazharchi Chooranam
5.	Ashwagandha Churnam	Elathy Chooranam	Karbogi Patru
6.	Yastimadhu Churnam	Kavikkal Chooranam	Vetpalai Thylam
7.	Triphala Tablets	Thalisathi Chooranam	Karpoorathi Thylam
8.	Ashwagandha Tablets	Keezhanelli Chooranam	Chaya Chooranam
9.	Dhanwantara Gulika	Pancha Deepagini Chooranam	Ashokappattai Chooranam
10.	Yogaraja Guggulu	Kuruthi Azal Chooranam	Naval Kottai Chooranam
11.	Kaisora Guggulu	Amukkura Chooranam (Plain)	Masikkai Chooranam
12.	Kanchanara Guggulu	Parangipattai Chooranam	Ashta Chooranam
13.	Kottamchukkadi Tailam	Athimathura Chooranam (Plain)	
14.	Kshirabala Tailam	Maruthampattai Chooranam	
15.	Nilibhringadi Tailam	Vaaividanga Chooranam (Plain)	
16.	Chyavanaprasham	Nilavembu Kudineer Chooranam	
17.	Rasnairandadi Kwatha Churnam	Kabasura Kudineer Chooranam	
18.	Punarnavadi Kwatha Churnam	Neermulli Kudineer Chooranam	
19.	Varanadi Kwatha Churnam	Neerkovai Mathirai	
20.	Manjishtadi Kwatha Churnam	Sangu Parpam	
21.	Pinda Tailam	Kungiliya Parpam	
22.	Haridra Khandam	Mathan Thylam	
23.	Triphala Ghritam	Sirattai Thylam	
24.	Karpura Tailam	Meni Thylam	
25.	Ayyapala Tailam	Arugan Thylam	
26.	Chandraprabha Vati	Anda Thylam	

AUTONOMOUS DRONES

We've developed an autonomous disaster management drone designed to support the National Disaster Response Force (NDRF), with a primary focus on flood assistance. This advanced drone boasts an impressive array of features, including autonomous flight capabilities for surveying affected areas, real-time video streaming, person detection and geo-tagging, as well as water depth estimation capabilities.

We have successfully completed a small-scale prototype and have recently developed an upgraded version with an extended flight time of over 50 minutes and an impressive range of 20 kilometers. Currently we are improvising the software application and Algorithms.

To fuel our progress, we've secured investment from IVP funds, and we've also applied for funding from IEEE. With these resources and a dedicated team, we are well-positioned to contribute significantly to disaster management efforts, providing critical data and support during challenging flood situations.

MARS ROVER VEHICLE

Our dedicated team of students has designed and built a rover, primed to excel in prestigious competitions like the University Rover Challenge and the European Rover Challenge. This rover boasts cutting-edge autonomous capabilities, performing missions without any human intervention.

Equipped with a stereo camera and multiple IMUs for precise localization and computer vision, it features a high-powered Jetson Orion AI computer onboard for advanced data processing. The rover is further enhanced with a versatile robotic arm, capable of executing intricate movements with a precise end effector.

Beyond its impressive technological prowess, the rover is equipped with specialized systems for analyzing soil data, enabling the detection of life-supporting molecules. With advanced features and a talented team behind it, our rover is prepared to tackle the challenges of these international competitions.

LUGE

A gravity powered kart for joy rides in amusement parks. This is a Patented product that we are developing on behalf of LMES for an amusement park called Swarna Bhoomi in Madurai. We care taking care of the entire product development process till production.

MECHANICAL HAND PUMP

An innovative attachment mechanism was made to reduce the fatigue caused during the use of hand pump. The attachment was an add-on, without altering the existing pump's body and working mechanism. The attachment mechanism worked really well as designed and performed exceptionally.

AQUA CULTURE WATER QUALITY MONITORING SYSTEM

Aquaculture, the fastest-growing sector in food production, hinges on maintaining precise water quality parameters. These parameters are critical for ensuring the survival and robust growth of aquatic life while reducing stress, bolstering resistance to pathogens, and lowering the need for antibiotics and harmful chemicals. Unfortunately, traditional water quality testing methods are time-consuming and error-prone. Our pioneering project centers on continuous water quality monitoring using Autonomous Surface Vehicles (ASVs) equipped with sensors for essential metrics such as dissolved oxygen, redox potential, pH, temperature, turbidity, Total Dissolved Solids (TDS) and electrical conductivity. Utilizing advanced 3D mapping technology, our ASVs intelligently monitor various pond locations around the clock, seamlessly transmitting data via IoT. In case of deteriorating water quality, our system swiftly notifies farmers via a mobile app, allowing for prompt interventions to protect aquatic life. Additionally, our AI system offers valuable growth rate insights derived from the collected data, promoting sustainable aquaculture within a controlled and secure farm environment.

REMOTELY OPERATED UNDERWATER VEHICLE

Our objective is to develop the Low Cost AUV with Micro Observation capabilities and operable up to 100m depth and most importantly completely fabricated in India.

Positive Buoyant AUV, Highly Maneuverable Vector Thruster Configuration, Stable & Optimized for Inspection, Research-Missions, Easy to Use, Cross-Platform User Interface, Battery Powered with Quick-Swappable Batteries for Long Missions & Leak protection, Lumen Subsea Light for ROV/AUV & Customised GUI for the Dynamics and task Controls

Applications for Maritime Sector

- Pipe survey: Pre & Post Survey, Survey and Exploration for Oil & Gas

- Pipeline survey: Cable, riser and flexible laying for Oil & Gas

- Deep water structure inspection: Underwater inspection & Surveys for Subsea Works

- Deep water survey: Survey & Inspection for Mining

- Aquaculture: Fish & shrimp farming, Water quality monitoring

FARMLINK – AUTOMATION AND MONITORING SYSTEM FOR INDOOR CULTIVATION
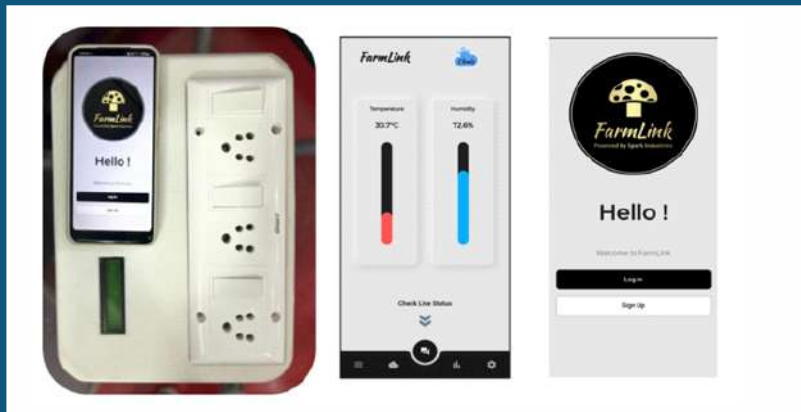
Farm Link is a pioneering automation system designed for indoor farming, offering precise climate control to boost crop growth. It excels in adapting to diverse environments and empowers farmers of all expertise levels with its user-friendly interface. By meticulously regulating factors like temperature and humidity, it ensures optimal conditions, reducing the risk of crop diseases and failures. With Farm Link, both novice and experienced farmers can achieve exceptional agricultural success, making indoor farming more efficient and productive than ever.

E-SCOOTER

We've embarked on an electric scooter development journey, beginning with the integration of our custom battery pack and a powerful 350W hub motor into an OEM chassis. Our initial trial run was a resounding success, validating our engineering and design choices.

Currently, we're taking our scooter to the next level by redesigning the battery pack to be seamlessly enclosed within the chassis, enhancing both aesthetics and safety. Furthermore, we have exciting plans to incorporate IoT features, including geo-fencing for added security and pay-to-use functionality, to make our scooter not only eco-friendly but also technologically advanced and user-friendly

AVIAN EGG INCUBATOR

The ZL7850A Egg Incubator represents a cutting-edge advancement in the field of poultry and avian egg hatching technology. This abstract provides an overview of its features, functionality, and the transformative impact it has on modern hatchery operations.

The ZL7850A Egg Incubator incorporates state-of-the-art technologies and design principles to optimize the incubation process. Its precision temperature and humidity control systems ensure a stable environment for developing embryos, leading to higher hatch rates and healthier chicks. The incubator's intelligent sensors constantly monitor and adjust conditions to create an ideal environment for each specific egg type, from chickens and ducks to exotic and endangered species.

This incubator's user-friendly interface and remote monitoring capabilities provide hatchery managers with real-time data and control, allowing for immediate adjustments and ensuring minimal human error in the incubation process. Its compatibility with mobile devices and cloud-based platforms offers unprecedented flexibility and convenience in managing multiple incubators across different locations.

The ZL7850A also prioritizes energy efficiency, reducing operational costs and environmental impact. Its innovative insulation materials and energy-saving modes make it a sustainable choice for hatcheries aiming to minimize resource consumption.

TURBO-JET ENGINE

A working model of an turbo jet engine was made to educate students and a demo piece. The jet engine fired and worked ok however we faced some technical issues with it igniting, idling and oil leaking from exhaust ports. We are currently working on rectifying the issues and will soon let you know the details.
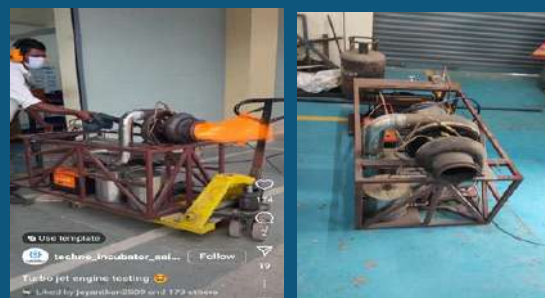
GROUNDNET THRESHER

India produced more than six million metric tons of groundnut in 2019. Traditional method is High time-consuming process, more workload and work force required, More chances for wounds. Lack of workers and Less profit due to more labours Equipment Initial and Rental cost is very high. Stripping efficiency 95% - 99% due to blade arrangements. No. of blades 3-4 to increase efficiency. Easy Sacking. Add on features included or excluded depends on the customer requirements. We can use also belt system to reduce vibration and noise. Developed for the small farmers. Sales and rental Model. 70% to 80% of harvesting expenditure will reduce.

VIRTUAL REALITY SYSTEM
FOR TRAINING OF TROOPS

Military training plays a critical role in preparing troops for real-world operations. This integration aims to revolutionize live troop training by providing a highly immersive and adaptive learning environment. We integrate hardware that helps to track the enhancement motion for validating the performance of user and also for various purposes. Haptic suits for realistic scene, ML for sign language detection and Live interaction, multiplayer integration, Controllers replaced with guns are some of the unique features of our project. The VR environment simulates diverse combat scenarios, ranging from urban warfare to battlefield logistics. Machine Learning algorithms continuously analyse troops' performance, identifying strengths and weaknesses in real-time. Warm up exercises are also given through VR at beginning to enhance the physical fitness of the user. Quizzes and assessments help the user to correct their performances. We are planning more on hardware enhancement to further improve our software as a future enhancement.
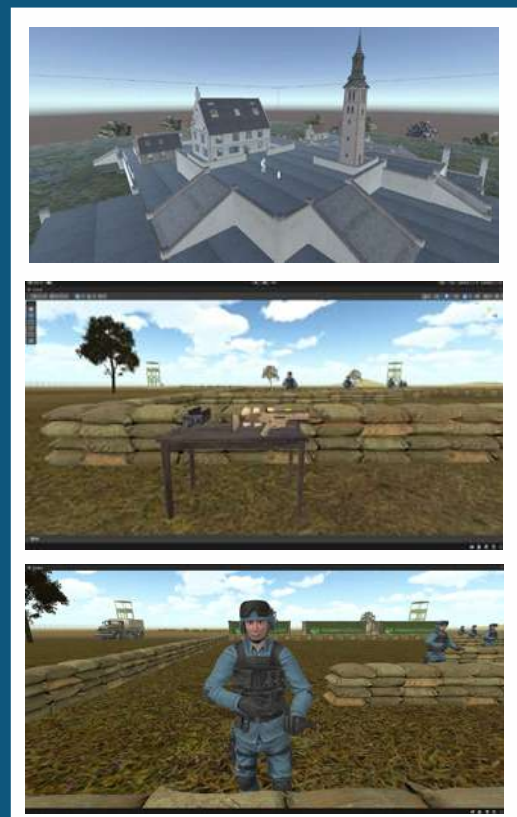
PLANT DISEASE DETECTION

Farmer assistive mobile application that helps to detect various plant diseases. The corresponding treatment for that disease is shown to the user so that the user can perform necessary actions and prevent the spread of the plant disease. TensorFlow image classification model is used to do image classification.

- Detect diseases in various plants through a single application.

- Get suggestions to treat the disease and prevent.

- Resolve problems with existing datasets.

- Characterize new disease when encountered
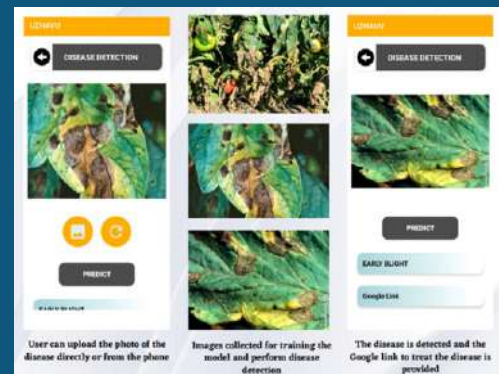
AUGMENTED REALITY FEATURED PHOTO BOOTH

In recent years, Augmented Reality (AR) technology has gained significant traction across various industries, transforming the way people interact with digital content. One exciting application of AR is the integration of augmented reality features into traditional photo booths, revolutionizing the photo-taking experience for individuals and event attendees. This paper explores the concept of an "Augmented Reality Featured Photo Booth" (ARFPB) and proposes a comprehensive solution to create a novel and immersive photography experience.

Users can select and apply AR filters, effects, or digital props in real-time, enhancing their creativity and personalization of each photo.

Hardware and Setup:

The ARFPB will consist of specialized hardware, including high-resolution cameras and advanced computing systems capable of real-time AR processing. These components will be seamlessly integrated into a user-friendly, portable photo booth setup, ensuring easy deployment at events and venues.

User Interaction:

The ARFPB will provide intuitive interfaces, enabling users to interact with AR elements during their photo sessions.

IMMERSIVE EDUVR:
REVOLUTIONIZING BIOLOGY, ANATOMY
AND ULTRASOUND TRAINING

In our innovative project, we delve into the realm of immersive VR experiences, designed to facilitate interactive learning in the fields of biology, anatomy, and medical ultrasound training. Traditional teaching methods often fall short in providing hands-on, engaging learning experiences. To address this gap, our project leverages Unity and Oculus technology, incorporating hand-tracking capabilities through infrared cameras for intuitive interactions.

Our VR environment extends to the intricacies of rat organ dissections, allowing users to study these structures in detail, fostering a comprehensive understanding of anatomy.

Complementing these immersive experiences, our project integrates a quiz system that evaluates users' comprehension and retention of the material. This interactive assessment tool serves as a valuable resource for educators and learners, ensuring that knowledge is not only acquired but also retained.

One standout feature of our VR experience is the Ultrasound Simulator, providing a safe and controlled environment for individuals to practice and master ultrasound techniques. Users can manipulate virtual ultrasound tools, gaining proficiency in their use for medical applications. This aspect of our project is invaluable for medical professionals and aspiring healthcare practitioners seeking hands-on training.

Our commitment to realism extends to graphics, interactions, and physics, immersing users in a lifelike virtual world. The user interface is designed to be intuitive, ensuring effortless navigation and interaction within the VR environment.

As the VR landscape evolves, our project remains adaptable, with updates and maintenance to ensure compatibility with the latest VR platforms and hardware. Continuous user feedback is essential in refining our VR educational experience, and we are dedicated to building a supportive community around our project.

In conclusion, our project harnesses the potential of VR to revolutionize education and training, offering immersive and interactive learning experiences in biology, anatomy, and medical ultrasound. By fostering engagement and providing practical skills, we aim to empower learners and educators in a dynamic and evolving educational landscape.

SMART EDUCATION FOR REMEDIAL TEACHING METHOD USING IMMERSIVE TECHNOLOGY

Present education systems are unable to detect slow learning phenomenon and hence not able to supplement measures to overcome it. This affects children and morale of the parents and society. When it comes to technology, almost all students are interested in it. So, we are providing an educational idea were both education and technology is being served as one. A voice assistant named JESSI, which helps in guiding the students. Students can also ask doubts related to studies. An Augmented Reality based education is being used for the better understanding over a topic. A Virtual Reality based education is being used for the betterment of the students and by creating a classroom environment. Our basic implementation idea is to provide a smart education solution that combines a web portal, augmented reality , virtual reality and more. Students can access a wealth of educational resources, engage in interactive AR and VR experiences, and benefit from personalized learning paths tailored to their needs from our web portal called "toofanedu.live". This helps students to practice many times and can get better understanding of the concept.

FOOD ORDERING SYSTEM

Waiting 15-minutes for billing and 5-minutes near counter to get their food is a waking nightmare most students go through in an otherwise relaxing lunch break. Our proposed system aims to eliminate this struggle entirely by letting students place their orders well in advance via their mobile browsers. This allows vendors to plan accordingly hence reducing both food wastage and shortage. Our model consists of three major modules: web module for clients, backend for

managing food, vendor, client data and QR generation, web module for vendors.
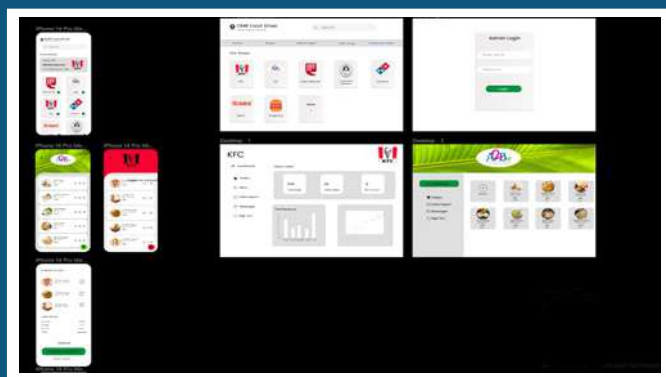
The Web Module allows students (clients) to go through that day's menu offered by each vendor and place their orders. Upon payment via any of the payment modes, the client's order will be converted into a QR. This QR code can be scanned by the vendor module, thus matching the order to the right customer.

BATTERY INSIGHTS PRO

APPLICATION VIEW:

Abstract :

"Battery Insights Pro: Real-time Monitoring and Control for Submarine Battery Systems"

Introducing Battery Insights Pro, an advanced application tailored for the precise management of submarine battery systems. This innovative tool seamlessly interfaces with IoT devices connected to submarine batteries, extracting comprehensive data via Bluetooth connectivity.

Battery Insights Pro facilitates real-time data segregation and presentation, offering interactive charts for key metrics such as power, temperature, State of Health (SOH), State of Charge (SOC), and more. Not only does it provide invaluable insights, but it also serves as a dynamic controller, enabling users to manipulate the charge FET and discharge FET states at will.

This versatile application supports seamless transitions between various IoT devices, ensuring secure and error-free real-time data synchronization. Users can visualize data transmission rates over time, enhancing situational awareness through intuitive charts.

Battery Insights Pro boasts a detailed battery cell overview, presenting individual cell data, including voltage and SOH, alongside battery averages and lifetime predictions. Furthermore, it employs machine learning models to forecast battery life based on FET cycles, delivering invaluable predictive insights.

The app's innovative features extend to battery location tracking, employing signal strength to determine proximity accurately. Battery Insights Pro sets a new standard for submarine battery management, combining precision, real-time insights, and robust control in a single, user-friendly interface.

INVENTORY MANAGEMENT SYSTEM
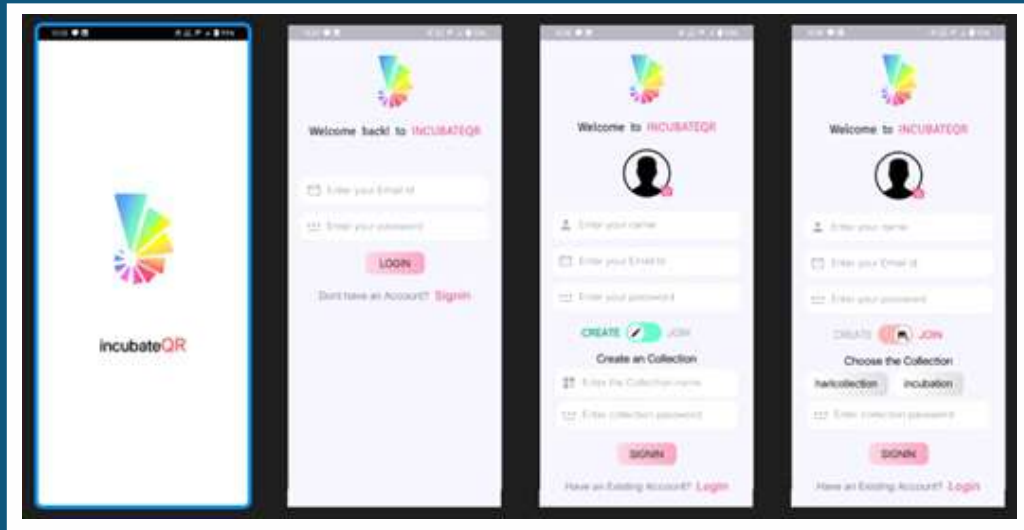
"incubateQR: Streamlined Inventory Management through QR Technology"

incubateQR is a cutting-edge inventory management solution designed for efficient inventory tracking and maintenance. Leveraging the power of QR codes, this application revolutionizes inventory management processes.

Comprising an intuitive administrative web interface built on React and a user-friendly mobile app developed with Flutter, iCubateQR harnesses Firebase's cloud storage capabilities. The user app simplifies product registration by capturing comprehensive details and images and generating unique QR codes for each inventory item. These QR codes grant instant access to product specifics, statistics, and user information upon scanning.

The app offers a comprehensive suite of features, including product viewing, editing, segmentation, and tracking, all facilitated by QR code integration. Access control and permissions are managed via the admin web interface, ensuring data security.

Real-time synchronization with data accuracy, while the admin web provides an elegant dashboard for overseeing inventories, products, users, and access levels. incubateQR enhances inventory management with precision, efficiency, and security, facilitating seamless monitoring of inventory movements and statuses.

PHOTO DISTRIBUTING APP
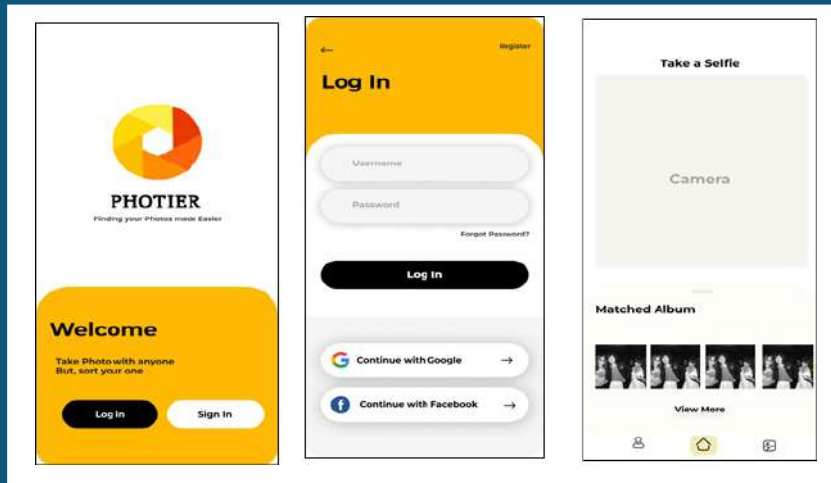
Our web platform leverages advanced AI technology to efficiently distribute photos to individuals, offering a valuable solution for event managers, photographers, and institutions. With our AI engine, photos are intelligently sorted, tagged, and delivered, streamlining the process of sharing event memories. This platform serves as a versatile tool, enhancing the experience for event organizers, photographers, and institutions by simplifying the management and distribution of visual content, ultimately ensuring that meaningful moments are easily accessible and cherished. Currently the AI engine has been developed and improvised and our team is working on a UI and server interface.

Madrasda.com

Madrasda stands as an innovative online e-commerce storefront, showcasing a diverse range of custom-printed T-shirt merchandise that celebrates the rich heritage and culture of the city Madras (now Chennai) in Tamil Nadu, India.

Madrasda welcomes vendors and designers to bring their creative visions to life. Through our advanced design page, these individuals/vendors can craft custom designs on variety of T-shirts, allowing them to market and sell their creations under their unique brand names. This collaborative spirit fosters a vibrant community of creators, ensuring that Madrasda not only captures the essence of Chennai but also empowers local artisans to showcase their talents and connect with a global audience.

Madrasda also provides administrative control panel with dashboard for control over orders, payments, vendors and designs. Hence, Madrasda serves as an amusing online destination where creativity meets culture.
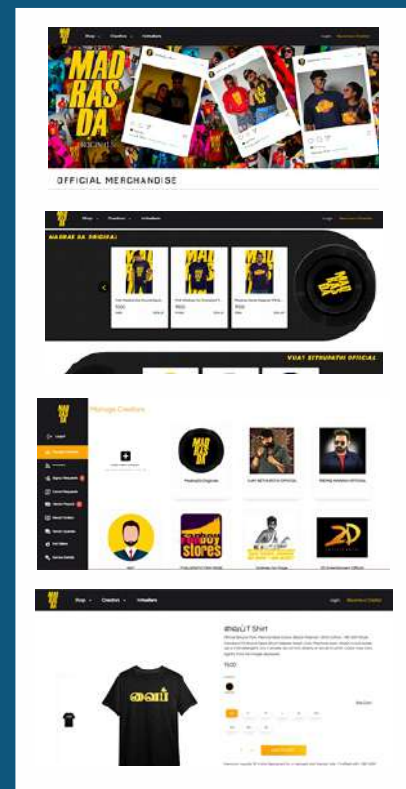
BOOKIVA

Bookiva is a venue booking app which replaces the cumbersome way of manually obtaining permission from officials to book a venue inside campuses. By providing a user-friendly interface, users can easily browse through a catalogue of venues available in a campus and can place a booking for customized dates and time along with request for provisions.

All the booking requests are managed by the officials with an admin portal provided along with Bookiva where they get to see booking details and have provisions to maintain and control the incoming booking requests.

Hence, this project optimizes the venue booking process, offering a more efficient and streamlined approach to booking and managing campus spaces.
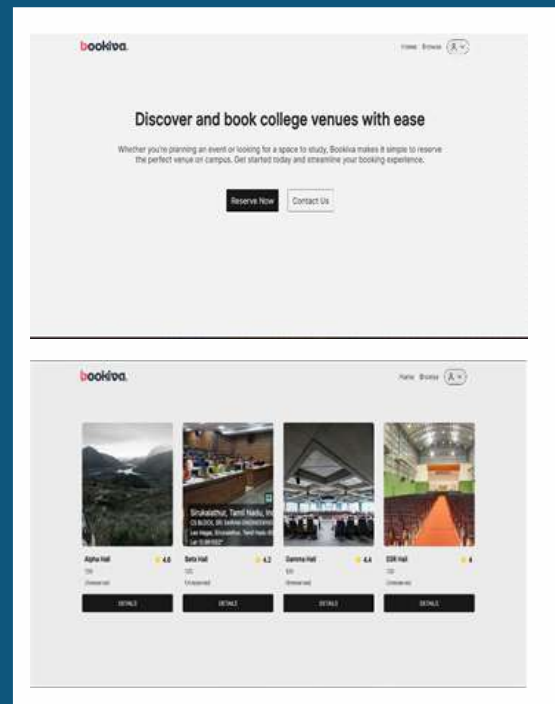

PRINTWEAR

Printwear aspires to establish itself as a premier OEM (Original Equipment Manufacturer) website, revolutionizing the way both merchants and customers interact with custom T-shirt designs. Our platform provides a seamless experience for entrepreneurs and creative individuals alike, welcoming them to explore the Printwear ecosystem.

Merchants and customers with unique T-shirt designs can effortlessly access Printwear's services, streamlining the process of printing and selling their creations. Integration with popular e-commerce platforms such as Shopify and WooCommerce empowers users to establish their own online storefronts, offering their designs to a global audience.

What sets Printwear apart is its sophisticated order management system, which centralizes all orders obtained through these online stores, presenting them on the Printwear page. We take care of the heavy lifting by printing and drop-shipping these custom designs directly to the end-buyer. This project signifies a monumental leap in the world of print-on-demand drop-shipping, delivering exquisite custom-printed T-shirts to the customers' doorstep while enabling entrepreneurs to flourish in the online marketplace.
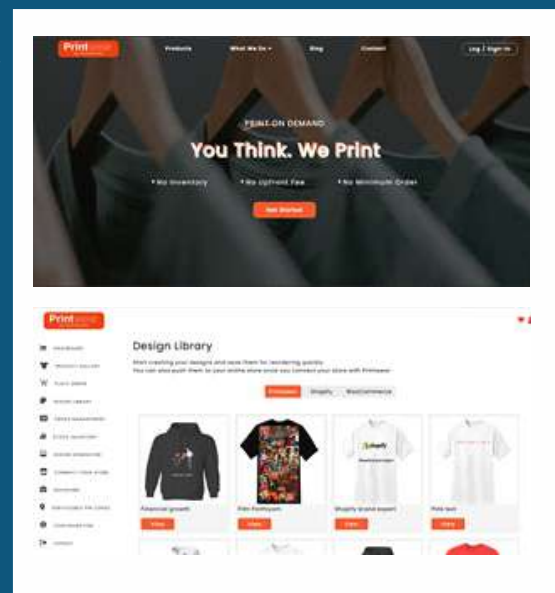
FOOD ADULTRATION DETECTION
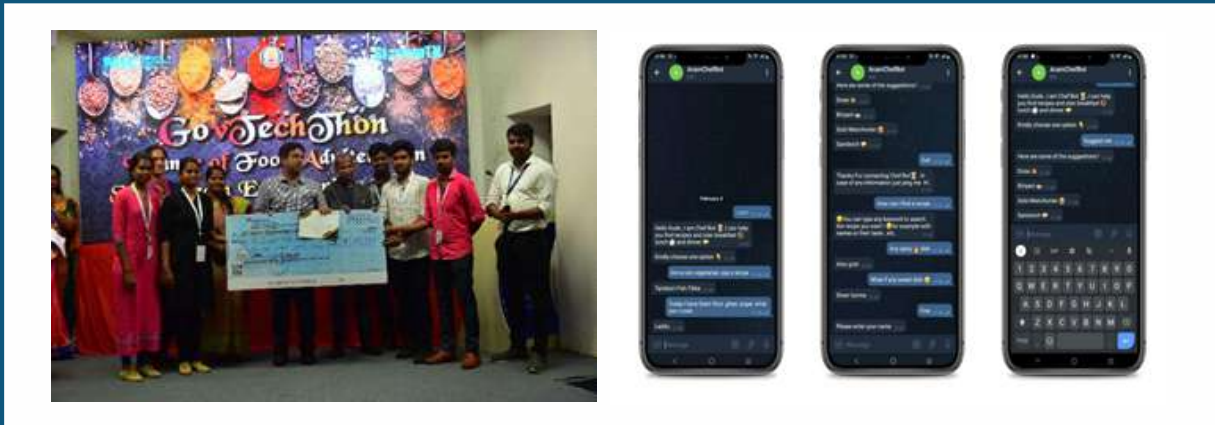
In the global food industry, the issue of food coloring adulteration is a significant concern, as it poses health risks to consumers and undermines the integrity of food products. To combat this problem, we have developed an innovative solution—a comprehensive IoT-based food coloring adulteration detection system. This system consists of a testing kit, a mobile application, and Near Infrared (NIR) spectroscopy technology for accurate and instant detection of color adulteration in food products.

Our IoT-based food coloring adulteration detection system, integrated with NIR spectroscopy technology, offers a comprehensive and innovative solution to address the critical issue of food adulteration in the industry. This system provides instant, accurate, and cost-effective results, ultimately contributing to the safety and integrity of food products.

DEFENCE STARTUP

Armor Grandeur pvt ltd

The company deals about manufacturing of various controller hardware and software for Electric vehicle, Battery management system for high power applications etc. This company has started in the year 2022 as a startup company and associated with idex , Defence innovation organisation, ministry of defence.

INCUBATOR INFRASTRUCTURE
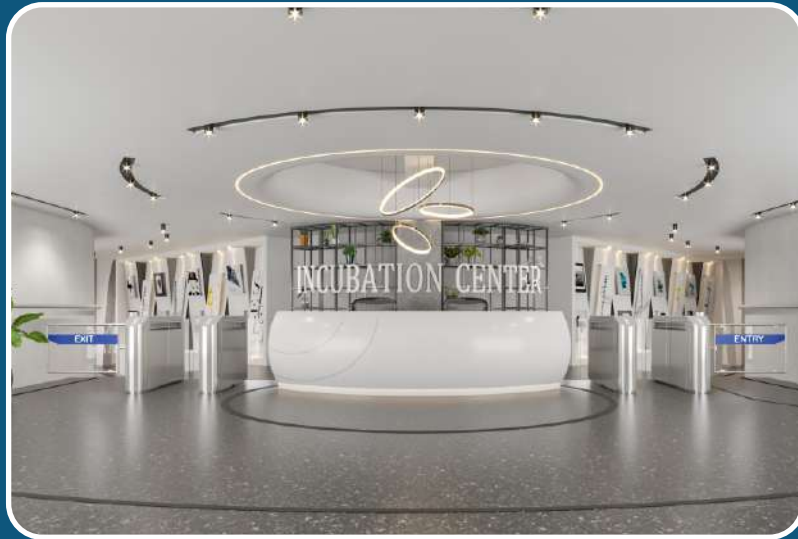
FACILITIES

PCB Milling Machine

3D Resin Printer

Laser Cutting Machine

3D Printer & Milling

CNC Lathe

CNC Mill

CMM

Cooling Centrifuge

Co2 Incubator

Stir Casting Machine

FACILITIES

Cooling Centrifuge

Orbital Shaking Incubator

Laminar Air Flow

Quick Freezer

INCUBATION COLLABORATION

R&D Organization

ICAR · CIBA · TECHNOLOGY BUSINESS INCUBATOR, TAMILNADU AGRICULTURAL UNIVERSITY FOR STUDENTS ENTREPRENEURSHIP ON AGRI BUSINESS INCUBATION

Incubatee Receiving Supports from

AIIRF EDII · AMTZ · IItm research park · t-hub

Association

COINDIA · AIEMA · TIEMA

Incubation Partners

SRI RAMACHANDRA INNOVATION INCUBATION CENTRE · VEL TECH TECHNOLOGY INCUBATOR · CODISSIA DEFENCE INNOVATION AND ATAL INCUBATION CENTRE · AIC - AU INCUBATION FOUNDATION · iTNT

PRODUCT

SAIRAM SDG IDEATHON

1 — 1ST YEAR

IMMERSION PROGRAM
- Generation of Ideas
- Educating Critical Thinking
- Goal Wise Distribution
- Domain Wise Distribution

SAIRAM SDG SOLVEATHON

2 — 2ND YEAR

LIVE-IN LAB
- Educating Design Thinking
- Boot Camps & Technological Training
- Accelerator Programs
- Business Model Development

PROJECT DEVELOPMENT
- Final Product Development
- Inspire Through Paper Publication
- Inspire Through Patent Publication
- Setting up of Start-up

4TH YEAR

Sairam Innovation Eco-system

3RD YEAR

MINI-PROJECT
- Prototype Development
- Showcasing the Projects to Outside World
- Training on Business Pitching
- Accessing Technology Readiness Level

SAIRAM SDG INSPIRETHON

4

3 — SAIRAM SDG INNOVATHON

Govt. Support

1.46 Crores Funds Raised from

Networking

Legal & IPR support

Mentors

S.No.	Name of the Mentor	Current Organisation	Designation in Current Organization	Sector Expertise
1	Dr. Sai Prakash Leo Muthu	Sri Sairam Group of Institution	Chairman	Management
2	Dr. K. Porkumaran	Principal / Sri Sairam Engineering College	Chief Mentor	Intelligent systems& Instrumentation
3	K. Naresh Raj	Sri Sairam Techno Incubator Foundation	CEO-SSTIF	Management
4	Dr. C. R. Rene Robin	Professor & Dean Innovation, Sri Sairam Engineering College, Chennai-44	Manager & Innovation Ecosystem	IOT technology
5	Mr Sampath Veeraraghavan	IT IEEE-HKN President	Member	Globally Renowned Technologist
6	Dr. B. Vinod Kumar	Coddissia Defence Innovation & Atal Incubation Centre (CDIIC)	General Manager	Defence
7	Dr. K. Renganathan	Professor and Head, Department of Electronics and Instrumentation Engineering, Sri Sairam Engineering college	Member	AI & Industrial Automation
8	Dr. A. Sanjeevi Gandhi	Professor, Department of EEE, Sri Sairam Engineering college	Member	Electrical Technology
9	Mr. M. Subramanian	Assistant Professor, Dept of EIE, Sri Sairam Engineering college	Member	IoT
10	Dr. Swagata Sarkar	Professor and Head, Department of AI & DS, Sri Sairam Engineering college	Member	AI & Drone Technology
11	Dr. B. Vijay Ramanath	Professor and Head, Department of Mechanical Engineering, Sri Sairam Engineering college	Member	Materials and Composites Technology
12	Mr. K. Mohanraj	Asst. Professor, Department of ICE Sri Sairam Engineering college	Member	Drone Technology
13	Mr. C. Jeeva	Professor, Department of EEE, Sri Sairam Engineering college	Member	Electrical Technology
14	Dr.J.ThamilSelvi	Associate Professor, Department of ECE Sri Sairam Engineering College, Chennai-44	Member	Health care technology
15	Mr. N. Balaji	Professor, Department of ICE, Sri Sairam Engineering college	Member	Instrumentation Technology
16	Dr. B. Thanuja	Professor, Department of Chemistry, Sri Sairam Engineering college	Member	Chemical Technology
17	Mr. A. Muthuvel	Sri Sairam Techno Incubator Foundation	Incubation Manager	Marine Robotics
18	Mr. Balamurugan	Sri Sairam Techno Incubator Foundation	CTO	Engine &Waste management
19	Mr. Ashok Shanmugam	Co-Founder & CEO, Connect4myCoach, USA & India, Advisor, Global Entrepreneurship Initiatives, Start-up Ecosystem Enabler, Digital Accelerator Enabler, Silicon Valley, USA.	Member	Investor Connect
20	Mr. Ravichandran	Business Advisor –Consultant	Member	Consultant –Business

S.No.	Name of the Mentor	Current Organisation	Designation in Current Organization	Sector Expertise
21	Ms. Uma Maheshwari	AIC –AU Incubation Foundation	Member	CEO
22	Mr. Arun Kumar	VIDHAI ART SPACE (SILAII)	Member	Proprietor
23	Mr. Jayandan	Sri Sairam Techno Incubator Foundation	Member	R&D Executive
24	Mr. Sam Austin	Sri Sairam Techno Incubator Foundation	Member	R&D Executive
25	Mr. Lenin Lal	Sri Sairam Techno Incubator Foundation	Member	R&D Executive
26	Mr. Shamsudheen	Sri Sairam Techno Incubator Foundation	Member	R&D Executive
27	Mr. Sathish	Sri Sairam Group of Institution	Member	CBO
28	Dr.Sivaraman	BigBangBoom Solution Private Limited	Member	Defence & Aerospace
29	Mr. Jayakumar	nROOT Technologies	Wing Commander (Retired)	Defence & Aerospace
30	Suseendar Marimuthu	BLUNAV	FOUNDER	AIRPORT OPERATION
31	Dr. Palani Kumar	Sri sariam Institute of technonolgy	Principal	Materials and Composites Technology
32	Mr. Premanand	LMES	FOUNDER	EDUTECH
33	Mr. Anbarasu Mahadevan	President, World Youth Federation	Legal Advisor	CA & Legal
34	Mr. Daniel Prabhakaran	Head of Incubator | Startup Fundraising Consultant | Ex Chief Executive Officer at Annamalai Innovation and Incubation Research Foundation,Annamalai University	Consulatant	Incubation
35	Dr. Vanitha R Muralikumar	Dhanwanthralaya Ayurveda Hospital	Entrepreneur	Entrepreneur
36	Dr. Shanmughapriya M	Sri Sai Ram Institute of Technology	Assistant Professor	Machine Learning, Image Processing, Video Analysis, Statistical Analysis
37	Mr. P. Suthahar	Sri Sai Ram Institute of Technology	PROFESSOR	Web Design, Cyber Security, Cloud Computing
38	Dr B Sreedevi	Sri Sai Ram Institute of Technology	Organization Professor	Machine Learning
39	Dr. V. R. Kanagavalli	Sri Sai Ram Engineering College	PROFESSOR	Teaching Experience and Project guidance
40	Dr. G.Adiline Macriga	Sri Sai Ram Engineering College	PROFESSOR	Cyber Security
41	Dr. S. Susila Sakthy	Sri Sai Ram Engineering College	PROFESSOR	Artificial intelligence, wireless sensor networks
42	Dr. T MANJU	Sri Sai Ram Engineering College	PROFESSOR	Artificial Intelligence

Sairam INSTITUTIONS

SRI SAIRAM
TECHNO INCUBATOR
F O U N D A T I O N

CENTER OF EXCELLENCES

salesforce

Jet Aerospace
Drone Manufacturing Hub

CISCO
Networking
Academy

ORACLE ACADEMY

Jet Aerospace
www.jetaero.in

ORACLE
Academy

Functional Materials
Research Institute

IIT Bombay
e-yantra
Engineering a better tomorrow

Microsoft
Azure

aws academy

DELL EMC

Tequed Labs
Invent · Innovate · Iterate

CNC
AUTOMATION

Design
Thinking Lab

TAV SYSTEMS

TEXAS
INSTRUMENTS

paloalto
NETWORKS

Red Hat
Academy

INTERNSHIP AND
INPLANT TRAINING CELL

Skill development and
talent enabling

Sustainable
Development
Goals SDG

AUTODESK
DESIGN ACADEMY

INTELLECTUAL PROPERTY
RIGHTS

WOMEN EMPOWERMENT
AND ENTREPRENEURSHIP

INDUSTRY INSTITUTE
PARTNERSHIP CELL

STARTUP COMPANIES

1. Silai
2. Vidhai Arts Space
3. LMES Academy Private Limited
4. Blunav Technologies Private Limited,
5. Ideal Engineerig Training and Consultancy
6. Sri Sai Fusion Techno Works
7. Uru
8. Sasa Printwear Pvt Ltd
9. Hakate Technologies Private Limited
10. Terabyte India
11. Armor Grandeur Private Limited
12. Hexiqon Technologies Private Limited
13. Creasys Technologies LLP
14. Universys Technologies
15. Sanjmar Industrie
16. Techno Raise Pvt. Ltd.
17. Bigus 12 Technologies
18. Smile Healthcare Technologies
19. Flare Innovations
20. Toofan
21. Kite Robotics
22. M/S Mam Industries OPC Private Limited
23. Yash In Enterprises
24. Agsaimo
25. Skycatch Bots
26. Sai Organic Pro Plus
27. Big Bucks Innovation
28. Mice Berry India Private Limited
29. Genik Technologies
30. Srikart Technologies & Solutions
31. Senter
32. Vision
33. Ah Enterprises
34. Techyy Service Center
35. Technospan
36. Sai Mistra Automations
37. Softrate India
38. 10004u
39. Evalley Corporation
40. Suvalaks Technologies
41. Boomi Pooja Life Style Compact Homes
42. Rreva Engineering Services
43. Task Development
44. Solaris India Power Solution
45. Vnm Jothi Fabrications
46. Sri Amman Engineering Works
47. Curious Wings
48. Pang Wangle Technologies
49. Kalam Innovations
50. Adastree
51. Zero Solutions
52. Sai Rohit Industries
53. ZPM Enterprise
54. SPNP Company
55. Klot Industries
56. Infinite Cae Care Solutions & Enterprises
57. Saishiv Tech
58. Rsmh Enterprises
59. Suganthi Enterprise
60. Balaguhan Enterprises
61. Edges
62. Monts India
63. Grad
64. Soorai Venkatesan Enterprise
65. Dhurgeshraaman Technologies And Enterprises
66. Revo Technologies And Enterprises
67. Bjsai Enterprises
68. Apr Technologies
69. Cyber Space Solutions
70. Pencer Enterprises
71. VSN Technology
72. Forever Design
73. Bastin Enterprises
74. SJ Industries
75. Kgs Enterprises
76. Extronics
77. Infinity Ltd
78. Happy Family Shop
79. Hexa Technologies
80. Entdeckon
81. Hrithick Industries
82. Vaiyagam Techno Solution
83. Spark
84. Jai Sriram Coating
85. Saitechno Automation Consultant
86. Theran Siddha Pharmacy
87. Pavithram Ayurveda Pharmacy

Few Successes stories

Under AAI Startup Policy Initiative

AMCOMS
Airside Movement and Compliance Monitoring System

Enhancing Safety on Airside

- Automated capture of key movement parameters like Chocks ON/OFF time, taxiing routes and times, Runway Occupancy Time, among many others
- Generates alerts and notifications when unexpected or undesired conditions are encountered
- Enables dynamic airside safety nets
- Gives users the ability to detect and rapidly address safety violations.

www.aai.aero

Congratulations

Milestone Achievement
in the History of **SAIRAM**

DISC 7.0
SPRINT-INDIAN NAVY
WINNERS

Dr. K. PORKUMARAN, Principal,
Dr. A. SANJEEVI GANDHI, Asso. Professor/EEE
Mr. C. JEEVA, Assistant Professor/EEE
with EEE Department students **KRITHIKA B / ABISHEK J / SHREYA R / LAVANYA S / SWETHA S**
created history by winning the most coveted
DISC 7.0 SPRINT Challenge.

The team was felicitated by **Honorable Raksha Mantri**
Shri. RAJNATH SINGH
in the Innovations for Defence Excellence (iDEX) Pavilion for showcasing the prowess of **Sairam Institutions** R&D and innovation in futuristic Defence Technologies during the **'DefExpo 2022'** held at Gandhinagar, Gujarat on 19th October 2022.

Sairam Family wish them all the very best.
Shri. Sai Prakash LeoMuthu, Chairman & CEO

விகடன்
2023 டாப்
10
இளைஞர்கள்

மரபிசைக் காவலன்
தருண் சேகர்

வரலாற்றை இசையின் வழி தேடுகிறார் இந்தக் கட்டடவியல் பட்டதாரி. இவர் மீட்டெடுவாக்கித் தந்த பெரும் பொக்கிஷம், சங்ககால வாழ். அரண்மனைகளிலும் ஆலயங்களிலும் இசைக்கப்பட்ட தொன்மையான பண்களைத் தேடிக் கண்டடைந்து வாழிசைக்கென்றே ஓர் இசைக்குழுவை உருவாக்கி நிதானோடு வழிநடத்துகிறார். தருண் தொடங்கியிருக்கும் வாழிசைப்பள்ளி தமிழர் செவ்விசையைக் கற்றுந்தருகிறது. சீஷ அகழாய்வு இந்திய வரலாற்றைத் தெற்குப்பக்கம் திசைதிருப்பியுள்ள நேரத்தில், 2,500 ஆண்டுகளுக்கு முற்பட்ட இசைக்கருவியை உயிர்ப்பித்துக் கொடுத்த இந்த மதுரைக்கார நம்பியை மனதாரப் பாராட்டுகிறது ஆனந்த விகடன்.

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Education is not just about acquiring knowledge but also about applying it to solve real-world problems. Design thinking offers a unique approach to problem-solving that emphasizes empathy, creativity, and iteration. It allows us to identify the root causes of a problem and come up with innovative solutions that address the needs of the people who are affected by it. Technology plays a crucial role in enabling us to bring these solutions to life. With the advent of accelerator programs and technological training, students can gain the skills they need to develop their ideas into tangible products and services that can make a meaningful impact on society. The 'live in lab' approach takes this one step further by providing students with hands-on experience in a real-world setting, where they can test their solutions and receive feedback from actual users. This immersive learning experience not only prepares students for the workforce but also inspires them to pursue their passions and make a positive difference in the world. So, our students develop themselves as a source of Solutions.

I appreciate our students, the source of solutions for technological problems, who create an impact on the society!

Dr. J. Raja
Dean (Academic), Sri Sairam Engineering College

Engineering is at the forefront of driving innovation and technological advancement in our society. It combines the knowledge of natural phenomena with a focus on meeting the needs and desires of an ever-expanding human society. A receptive mind is crucial to stay energized and think creatively about new possibilities to drive innovation. This mindset is essential for success in projects that require radical, innovative ideas to make a significant impact. Sairam has been tirelessly working to emulate its past achievements and create new ones in the vast field of research. Through initiatives like Solvathon, we can unleash the potential of bright minds and generate ideas that can solve real-world problems and lead to sustainable livelihoods through the creation of advanced products and technologies.

Great appreciation to the organizers for their efforts and dedication towards fostering innovation and creativity. Let us continue this venture in the coming years and amplify our impact for a better tomorrow.

Dr. S. Rajarajan
Dean (Academic), Sri Sairam Institute of Technology

"True innovation in technology comes from the creative minds that use them to change the world."

Innovation and technology have revolutionized the way we live, work, and communicate, leading to unprecedented levels of growth and development. One of the main drivers of innovation and technology is the need to solve problems. Whether it's in the field of medicine, engineering, or economics, innovative solutions have emerged that have transformed industries and societies. For example, the development of antibiotics in the early 20th century revolutionized medicine by providing an effective way to treat bacterial infections. Similarly, the development of the internet has transformed the way we communicate, learn, and do business. Companies are constantly striving to gain a competitive advantage by introducing new and better products, services, or processes. This competition drives innovation as companies try to stay ahead of their rivals by introducing new and better products. Innovation and technology have transformed the world in countless ways. They have driven growth and development, created new industries and jobs, and solved some of the world's most pressing problems. However, it is important to ensure that the negative impacts of technology are mitigated through the development of sustainable technologies and practices. Only then can we continue to enjoy the benefits of innovation and technology in a sustainable and responsible manner.

I wish the ideas to be innovative and your vision clear, and may you bring your project to life with creativity and enthusiasm!

Dr. C. R. Rene Robin
Dean Innovation

Few Testimonial

"Genik Tech Pvt. Ltd. owes its success to the unwavering support of Sri Sai Ram Techno Incubator Foundation (SSTIF). Their provision of workspace, crucial seed funding, valuable connections, and expert mentorship has been transformative for our journey. For startups, SSTIF proves to be an indispensable resource. We wholeheartedly recommend SSTIF to those seeking a solid foundation and strategic growth. We extend our best wishes to SSTIF as they continue their pursuit of global recognition and excellence."

Genik Tech Pvt. Ltd- Founder & CEO

"As TOOFAN's CEO partnered with Sairam Techno Incubation, I'm thrilled to share how their ecosystem propelled us. Their expert guidance nurtured our idea to a market-ready product, backed by remarkable resources like StartupTN and EDI Voucher Program. Beyond workspace, they foster innovation and provide investor connections that fuelled our scaling. Sairam Techno Incubation isn't just a place – it's where ideas take root, businesses thrive, and partnerships flourish. Grateful for this journey and excited for what's ahead."

TOOFAN - CEO

"As Founder and CEO of Techno Raise Pvt. Ltd., partnering with Sairam Techno Incubator Foundation has been transformative. Their ecosystem fuels innovation and growth. Their guidance, from idea to product launch, and resources like StartupTN and EDII Voucher Program for funding, have been invaluable. Sairam Techno Incubator is the ultimate hub for startups seeking support beyond workspace. Excited for the future with Sairam Techno Incubator."

Techno Raise Private Limited – Founder & CEO

For Contact:

Mr. K. Naresh Raj
CEO & MD
Email: incubation@sairam.edu.in

Mr. A. Muthuvel
Operation Head
Email: queries.rd@sairam.edu.in
Mobile: 7845127111
Website: www.sairamincubation.com

Sri Sairam Techno Incubator Foundation
H-Block, SRI SAIRAM ENGINEERING COLLEGE, Campus, Sai Leo Nagar,
West Tambaram, Chennai, Tamil Nadu - 600044

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MJF.LN. LEO MUTHU
Founder Chairman - Sairam Institutions

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எதுவும் இல்லை.

உழைப்பும் - ஈகமும்
எப்போதும் தேவை!

அன்புடன்.
லி யோ முத்து

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Inspiring PEOPLE

Sairam EOMS
Improving PROCESS

Sairam SDG ACTION PROGRAM
Instilling PURPOSE

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