विज्ञान और प्रौद्योगिकी विभाग
Department of
SCIENCE & TECHNOLOGY

NM-ICPS

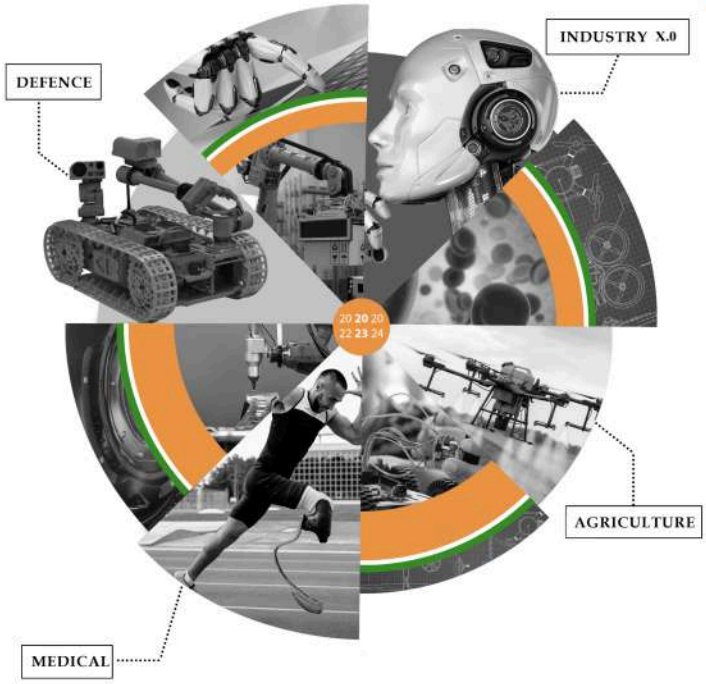
IHFC

iitdelhi

IHFC

STARTUP COMPENDIUM 2026

ihfc.co.in



IHFC | Technology Innovation Hub of IIT Delhi

About IHFC

IHFC was established partnering with the Department of Science and Technology (DST), Ministry of Science and Technology, Govt. of India under National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS). This brings together 3 major pillars of success from Academia, Government and Industry. IHFC has 4 mandates under its 4 verticals: The mandates are R&D, Entrepreneurship and Start-ups, Skills and Training, and International Collaborations in below verticals.

What do we do?

- Propel innovation across India by serving as a dynamic launchpad for R&D for product development.
- Incubate and accelerate startups, guiding them towards developing products and solutions that contribute to the vision of an Atmanirbhar Bharat.
- Torch bearers for developing an unique STEM driven curriculum across different educational boards and provide essential skills and training empowering youth in STEM in area of Robotics and Cobotics .
- Foster international collaborations across the world to drive forward the future of Innovation in India.
- Developing state of the art infrastructure such as Drone Technology Park (DTP) and Medical Cobotics Centre (MCC) for R&D and development of indigenised products and solutions for India.

WHAT DO WE DO FOR A START UP

1
Co-working & Co-Location Space

•Office space with modern amenities
•Co-Location for Startups.

2
Training and Workshops

•Business model development
• Marketing and sales strategies
• Financial planning and management
• Legal and compliance guidance

3
Support in Tech Development

•Access to labs and R&D facilities
•Collaboration with research institutions and universities

4
Mentoring

•Diagnose challenges to startups
•Define Improvement areas
•Identify Mentoring Needs
•2 dedicated Mentors (Internal + External) for each startup.
•IHFC Team SPOC to coordinate.

5
Help in Fundraising

•Investor pitch preparation
•Investor connects and networking events

6
Market Access

•Market research and analysis
•Connections with potential customers and partners
•Export assistance and international market entry

7

Business Support Services

- Approvals / Certifications
- Trials / Testing
- Accounting and bookkeeping support
- Legal and intellectual property services
- HR & talent acquisition support
- Marketing and PR

8

Soft Credits from Corporate Partners

- Cloud credits
- Software tools and licenses
- Discounts on services and products

9

Networking Opportunities

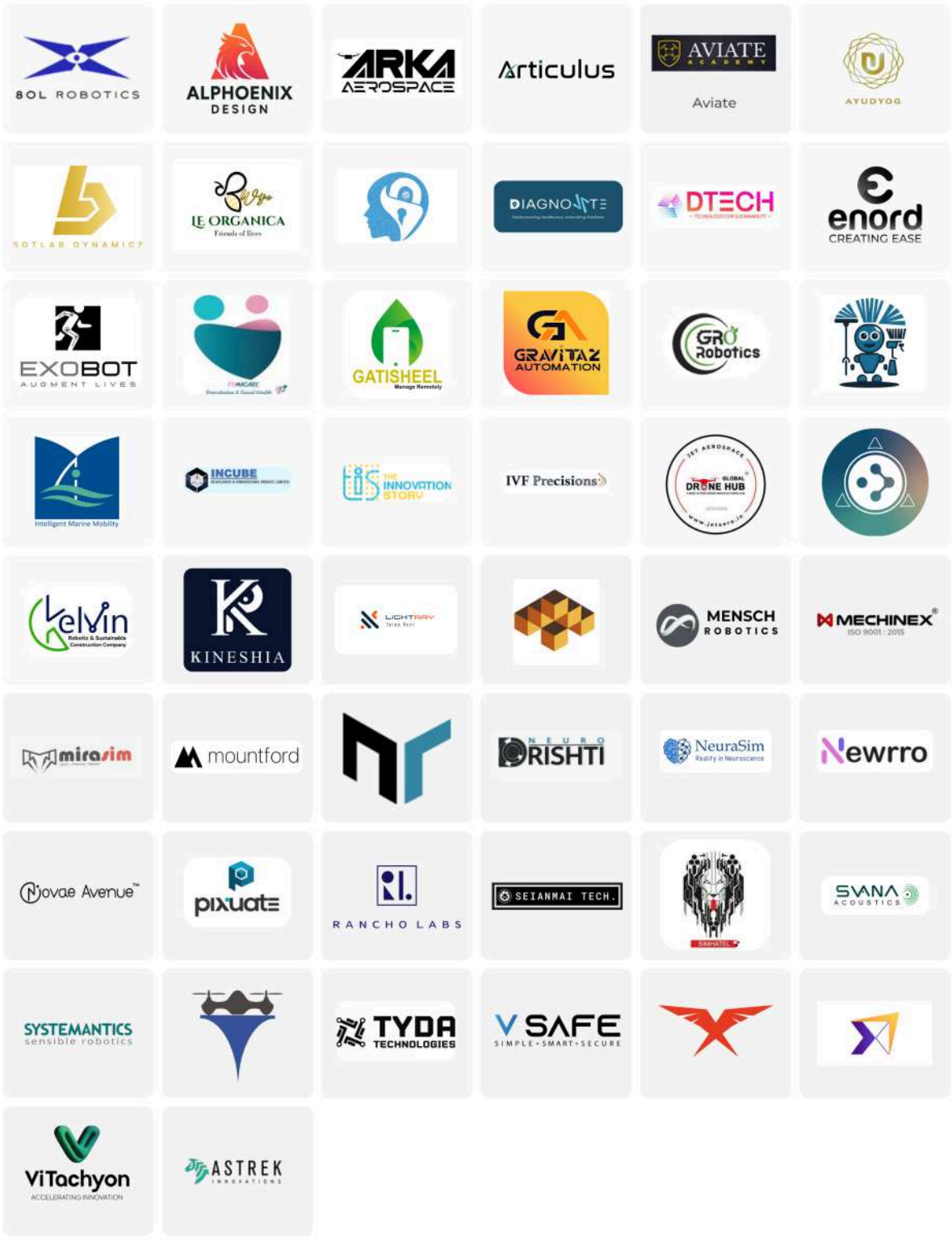
- Industry meetups and conferences
- Networking events with corporates and industry leaders

10

Opportunities for Showcasing

- Participation in demo days and pitch events
- Exhibitions and trade shows
- Online and offline promotional activities

Startup Ecosystem



Startup Ecosystem Index

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8OL ROBOTICS

8OL /ATOL AERO

8OL Robotics Pvt. Ltd

TRL: 06

About

8OL Aerospace develops the F8C Flight Controller, a robust platform tailored to industrial, defense, and large-scale drone operations. With intuitive ground control, sensor calibration, and disturbance rejection, the system addresses the limitations of hobbyist-grade or expensive proprietary controllers. By prioritizing affordability and reliability, 8OL drives India's growing UAV ecosystem.

The Problem

The F8C Flight Controller by 8OL Aerospace integrates advanced features like intuitive ground control interfaces, online sensor calibration, and robust disturbance rejection. Designed to meet regulatory standards, it brings performance and adaptability at a lower cost. By bridging technological gaps, 8OL empowers industries to deploy dependable UAVs for varied missions.

SECTOR: **INDUSTRY SPECIFIC DRONES**

Solution

The F8C Flight Controller by 8OL Aerospace integrates advanced features like intuitive ground control interfaces, online sensor calibration, and robust disturbance rejection. Designed to meet regulatory standards, it brings performance and adaptability at a lower cost. By bridging technological gaps, 8OL empowers industries to deploy dependable UAVs for varied missions.

Leadership

Harsh Bhardwaj

Founder

Cofounder of 8OL Robotics and founder of the Advanced Robotics Research Team at IIIT-Delhi. Currently pursuing a Bachelor ' s in Electronics and Communications Engineering, he specializes in UAV control systems, AI, and robotics innovation, with experience from IIT Bombay's e-Yantra and IIITD's robotics projects

Sayan Roy

Founder

Sayan Basu Roy, an Assistant Professor at IIIT Delhi and former SERB SIRE Fellow at MIT, specializes in nonlinear and adaptive control theory, robotics, multi-agent systems, and online machine learning for model-free controller design.

Website

Pitch Deck

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ALPHOENIX

Alphoenix Design Pvt. Ltd.

TRL: 08

About

Alphoenix Design, is a deep-tech startup specializing in the design and manufacturing of high-efficiency Brushless DC (BLDC) motors for drones, robotics, and Appliances. Our mission is to build affordable, lightweight, and precisionengineered actuators and motors solution, reducing India's dependency on imported core components. Our commitment to quality, sustainability, and cutting-edge technology positions us as a key enabler of India's growing industrial and technological self-reliance. Our innovative motor designs utilize advanced materials like Cold-Rolled Grain-Oriented (CRGO) steel, achieving up to 95% efficiency while reducing material waste by up to 50%.

SECTOR: **UAV**

The Problem

The key pain point we are addressing is India's heavy reliance on imported BLDC motors and critical components, especially for drones, robotics, EVs, and industrial applications. Currently, over 80% of these motors are sourced from China and other countries, leading to high costs, long lead times, limited customization, and supply chain risks. Indian industries are struggling with a lack of affordable, high-efficiency, and locally available motor solutions, which restricts innovation and scalability

Solution

We design and manufacture high-efficiency, lightweight BLDC motors tailored for drones, robotics, and e-mobility applications. Our motors use advanced magnetic materials like CRGO, ferrite, amorphous alloys, and SMC, delivering up to 95% efficiency while reducing material waste by up to 50% and minimizing import dependency.

Leadership

Pranav Patel

FOUNDER & CEO

Pranav Patel is the Founder and CEO. He had done BE in Mechanical Engineering and worked on Product design and R&D for 3 years in Petpooja startup further 1 year in entrepreneurship. He is also the GTU Robocon alumni.

Dhrumee Patel

Co-Founder, Marketing & HR

Dhrumee Patel is the Co-founder, Marketing and HR activity. He has done Diploma in ICT and worked as HR coordinator for 1 year in Petpooja. He was also worked in Marketing and was HR head for 2 years in mekanism.

Website

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ARKA AEROSPACE

Arka Aerospace Pvt. Ltd.

TRL: 09

About

Arka Aerospace designs highly adaptable unmanned aerial vehicles (UAVs) for both commercial and defense sectors. Its advanced drone solutions optimize logistics, surveillance, and other mission-critical tasks with exceptional versatility and reliability. Leveraging cutting-edge technology, Arka Aerospace aims to redefine UAV performance, bridging gaps in complex operational requirements and ensuring safety.

The Problem

Existing UAVs often fall short in delivering the versatility and reliability demanded by diverse commercial and defense applications. Many solutions lack adaptability for missions such as logistics, surveillance, and rapid deployment, creating operational inefficiencies. This gap hinders effective resource utilization, compromises mission success, and raises safety concerns for critical operations.

SECTOR: **UAV**

Solution

Arka Aerospace addresses these challenges by developing high-impact UAVs that excel in commercial logistics and defense missions. Their adaptive platforms integrate advanced materials, sensors, and AI-driven capabilities, ensuring seamless performance under varying conditions. This flexible architecture enhances operational efficacy, reduces risk, and meets the evolving demands of modern aerial deployments.

Leadership

Suraj Bonagiri

FOUNDER

Suraj Bonagiri, Founder of Arka Aerospace and Ph.D. graduate from IIIT Hyderabad, specializes in robotics with a focus on novel UAV mechanisms and control systems.

Lakshmi Chintalapudi

FOUNDER

Ph.D. graduate from the Robotics Research Center at IIIT Hyderabad, in novel UAV mechanisms and control systems. She contributes deep research expertise in unmanned aerial vehicle design and adaptive control — the same institutional background (IIIT-H Robotics Research Center).

Website

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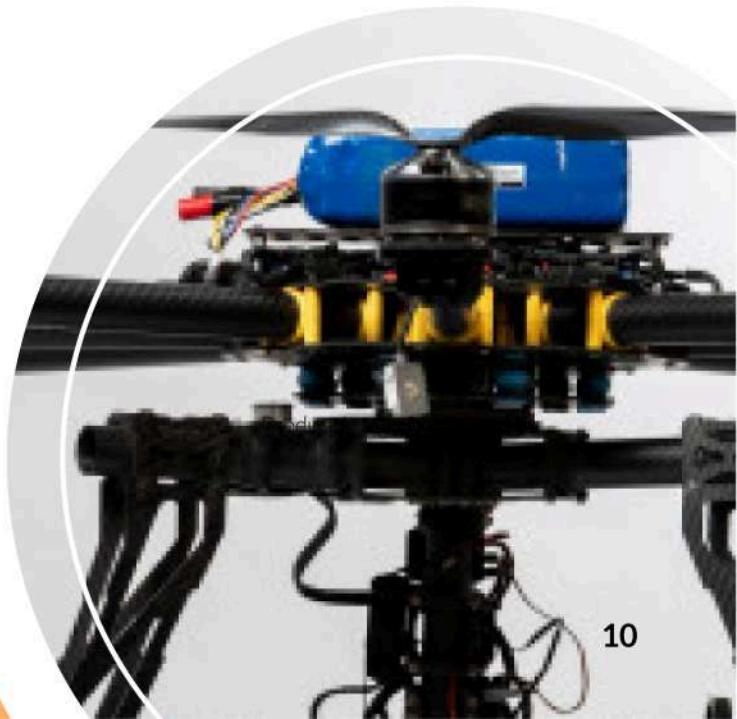

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Articulus

ARTICULUS SURGICALS

Articulus Surgicals Pvt. Ltd.

TRL: 05

About

Articulus Surgical creates accessible robotic systems for minimally invasive surgeries in the abdomen and pelvis. By integrating advanced robotics and flexible procedural options, Articulus Surgical aims to expand patient access to precise, safe, and cost effective treatments. Its technology simplifies surgical workflows and reduces postoperative complications, greatly benefiting healthcare providers globally.

The Problem

Many patients worldwide lack access to advanced minimally invasive surgical procedures due to high costs, limited availability, and complexities in operating conventional robotic systems. Such constraints hamper healthcare providers' ability to deliver optimal patient outcomes. The resulting inefficiencies prolong recovery times, significantly increase risks, and further strain healthcare resources globally.

SECTOR: **MEDTECH**

Solution

Articulus Surgical delivers affordable, modular robotic systems for minimally invasive abdominal and pelvic surgeries. By prioritizing portability, intuitive interfaces, and scalable design, these solutions broaden accessibility for healthcare facilities of various sizes. This approach streamlines procedures, significantly lowers overall costs, and improves patient outcomes, revolutionizing surgical care in underserved regions

Leadership

SAURYA MISHRA
FOUNDER

Saurya Mishra, Founder & CEO of Articulus Surgical and a stellar IIT Kharagpur alumnus, is revolutionizing the idea of surgical outcomes with on-demand smart robotics and sustainable products in the healthcare solutions.

GEETHA RATH
FOUNDER

Website

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AYUDYOG

Ayudyog Pvt. Ltd.

TRL: 06

About

Ayudyog's MetaspeQ device leverages AI and near-infrared spectroscopy to transform pharmaceutical quality control. Its compact, cost-effective solution provides rapid testing of raw materials and finished products, minimizing reliance on lab methods. By accelerating turnaround and reducing environmental impact, Ayudyog aims to modernize QA processes for a safer, more efficient industry.

The Problem

Pharmaceutical companies often rely on lengthy, expensive lab tests for quality control, generating chemical waste and prolonging critical production cycles. This inefficiency increases operational costs, delays market release, and poses environmental hazards. The industry urgently needs faster, more sustainable methods to maintain rigorous standards and ensure patient safety at scale.

SECTOR: **AI QUALITY CONTROL**

Solution

Ayudyog's portable near-infrared spectrometer, powered by AI, offers rapid pharmaceutical testing that cuts costs and reduces waste. By delivering real-time data on raw materials and finished products, it enables proactive quality management. The system's eco-friendly design and streamlined workflow improve operational efficiency, maintain high standards, and promote sustainable drug production.

Leadership

SUBHADIP BANERJEE

FOUNDER

Dr. Subhadip Banerjee, Co-Founder of MetaspeQ and a postdoctoral researcher, who leverages the AI - enhanced and enabled Spectroscopy and natural product studies to drive sustainable innovations in quality control/checks across the SKUs in pharmaceuticals, food, and medicinal plants

DILIP SING

FOUNDER

Dr. Dilip Sing, Co-Founder of MetaspeQ and a PhD in Engineering, specializes in advancing spectroscopy-based technologies like the NIR spectrometer to revolutionize quality control across industries such as pharmaceuticals, food, and natural products.

Website

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BOTLAB DYNAMICS

Botlab Dynamics Pvt. Ltd.

TRL: 09

About

Botlab Dynamics pioneers swarm drone technology, delivering synchronized aerial displays and solutions for large-scale industrial applications. Their advanced coordination algorithms enable fleets of drones to operate in unison, offering a new level of spectacle and efficiency. By merging art and engineering, Botlab significantly redefines drone-based entertainment and practical operations worldwide.

The Problem

Organizations struggle with large-scale drone coordination, hindering visually striking displays and truly efficient operations in sectors like entertainment and industry. Existing solutions are fragmented, relying on manual control or basic automation. This limitation restricts creativity, slows industrial processes, and heightens operational risks, preventing drones from reaching their full collective potential.

SECTOR: **SWARM TECHNOLOGY**

Solution

Botlab Dynamics introduces swarm drone solutions that orchestrate hundreds of drones simultaneously through advanced algorithms and centralized management. This technology powers captivating light shows for events and enables efficient industrial operations, such as inspections and surveys. By harnessing real-time data, Botlab's approach reduces labor, elevates safety, and expands drone capabilities

Leadership

TANMAY BUNKAR

FOUNDER

Tanmay Bunkar, CEO of BotLab Dynamics and IIT Delhi alumnus, specializes in building UAVs since 2010 and leads innovations in autonomous drone technologies recognized with accolades such as the SSI Vikram Award and iDEX Fellowship

SARITA AHLAWAT

FOUNDER

Dr. Sarita Ahlawat, Co-Founder and Managing Director of BotLab Dynamics, specializes in drone technology innovation and leads cutting-edge research as the Head of Living Science Group, leveraging her PhD in Microbiology from the University of Illinois at Chicago.

Website

Pitch Deck

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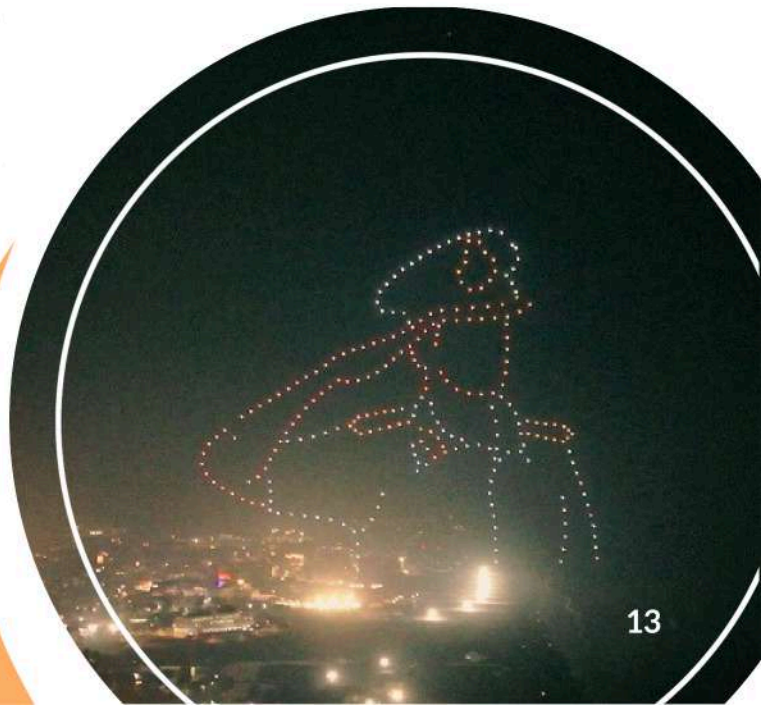

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LE ORGANICA
Friends of Bees

BWISE/ REDMOUNTAIN SOIL

Redmountain Soil Pvt. Ltd.

TRL: 05

About

BWISE delivers solar-powered IoT hive monitoring using AI-driven insights from temperature, humidity, acoustics, and weight data, enabling predictive bee health management, improved yields, and scalable precision apiculture across diverse environments

The Problem

Beekeepers lack real-time hive visibility, leading to undetected stress, disease, and colony losses. Manual inspections are inefficient, reducing productivity, traceability, and resilience in modern apiculture systems.

SECTOR: **IOT**

Solution

An AI-powered smart hive system that monitors temperature, humidity, acoustics, and weight in real time to detect bee stress, swarming, and threats early. Its solar-powered, retrofit-friendly design enables scalable use in remote areas while transforming hive data into actionable insights for improved honey yield, colony health, and precision beekeeping.

Leadership

SRUJAN KOTUM
FOUNDER

Founder of the Leorganica, innovates on the sustainable beekeeping with IoT-enabled solutions like the "Bwise Smart Bee Box, " blending technology and transparency to support bees, beekeepers, and ethical honey production

JAYANTH V.
CO-FOUNDER

ASHWIN THAPA
PROJECT MANAGER

Website

Pitch Deck

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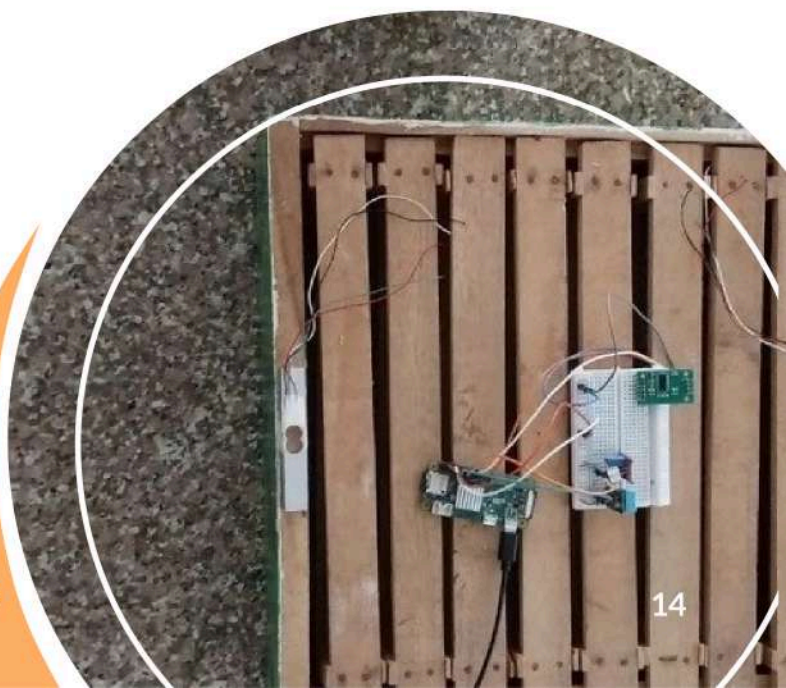

CYRAN AI SOLUTIONS

Cyran AI Solutions Pvt. Ltd.

TRL: 04

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About

Cyran AI Solutions focuses on AI-driven cyberphysical security, delivering comprehensive hardware-software safeguards for critical systems. By merging advanced analytics, machine learning, and robust threat detection, Cyran ensures integrated protection against cyber threats and physical vulnerabilities. Its solutions address growing concerns over infrastructure integrity, data privacy, and operational resilience across industries.

The Problem

Conventional security measures often overlook the complexity of cyber-physical systems, leaving hardware-software integrations susceptible to breaches. Fragmented tools and outdated protocols fail to detect sophisticated threats targeting embedded devices, industrial machinery, and critical networks. This shortfall compromises both data integrity and operational safety, endangering organizational stability and stakeholder trust.

SECTOR: **AI & CYBER-PHYSICAL SECURITY**

Solution

Cyran AI Solutions delivers end-to-end security platforms, unifying AI-driven analytics, real-time threat detection, and robust access controls. By integrating hardware and software risk mitigation under one framework, it identifies vulnerabilities proactively and defends critical infrastructure. This holistic approach fortifies operations, protects sensitive data, and ensures resilient performance in complex environments.

Leadership

MANAN SURI

FOUNDER

Manan Suri, a globally recognized innovator and Associate Professor at IIT Delhi, specializes in semiconductor non-volatile memory and unconventional computing hardware, with notable achievements including two MIT TR35 honors, 25+ patents, and the founding of CYRAN AI Solutions.

Geetika Chawla

FOUNDER

Website

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DIAGNOVATE

Diagnovate Pvt. Ltd.

TRL: 05

About

Kaere is a portable, non-invasive breath analysis device designed for early screening and monitoring of metabolic and respiratory conditions. By analyzing disease-relevant breath biomarkers, Kaere enables painless, consumable-free health screening through a simple exhalation, making preventive diagnostics accessible in primary care, community, and low-resource settings.

The Problem

Diabetes affects 589 Million people globally (International Diabetes Federation, 2024). India alone has 89.8 Million diabetics, expected to rise to over 156.7 Million by 2050. Current glucose monitoring methods are invasive (requiring finger pricks), costly (CGMs), and often uncomfortable.

SECTOR: **MEDICAL**

Solution

Diagnovate introduces a non-invasive, painless solution for monitoring blood glucose using advanced breath analysis, eliminating the need for finger pricks. With real-time results powered by AI and machine learning, it enables accurate diagnostics and timely health interventions. Designed as a compact, user-friendly device, it ensures accessible and convenient diabetes management for users of all ages.

Leadership

ACHYUT AGARWAL

FOUNDER

The founder and CEO of Diagnovate Pvt. Ltd., a health-tech startup focused on non-invasive diagnostics. Inspired by the pain of traditional glucose testing, he developed a breath-based device that uses sensors and AI to estimate blood sugar levels without needles. His work aims to make healthcare more accessible, painless, and user-friendly.

Website

Pitch Deck

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DTECH

DTE 4 Calamity and Humanity Pvt. Ltd.

TRL: 05

About

DTECH focuses on disruptive disaster risk reduction technologies, exemplified by its COBRA snake robot for collapsed-structure search and rescue. With hyper-redundant mobility and advanced sensing, COBRA navigates tight spaces inaccessible to conventional tools. By localizing victims quickly, DTECH enhances emergency response, cutting reliance on expensive imported devices.

The Problem

Search and rescue operations in collapsed buildings and disaster sites are highly manual, risky, and slow. Existing technologies are either basic or prohibitively expensive imports. Navigating narrow crevices and locating survivors accurately presents significant challenges. This limits timely rescues, increases exposure to hazardous conditions, and strains emergency response capabilities.

SECTOR: **ROBOTICS & DISASTER TECH**

Solution

DTECH's COBRA robot combines hyper-redundant locomotion, 3-axis thermal imaging, and coordinate-sharing capabilities to pinpoint victims in complex debris fields. Its adaptable design traverses small crevices, assisting rescue teams where traditional tools fail. By offering indigenous, cost-effective innovation, COBRA reduces foreign dependence, bolsters efficiency, and advances India's disaster management technology.

Leadership

RANIT CHATTERJEE

FOUNDER

Ranit Chatterjee, PhD, is a disaster management professional, entrepreneur, and academician. Currently the CEO of RIKA India and RIKA Institute, he also serves as Visiting Faculty at Rashtriya Raksha University and a Technical Expert at CDRI. A Kyoto University alumnus with a doctorate in Disaster Management, Ranit has expertise in integrated risk management, disaster response, and feasibility studies. He contributes to international initiatives, including advisory roles at the United Nations Office for Disaster Risk Reduction (UNDRR).

Website

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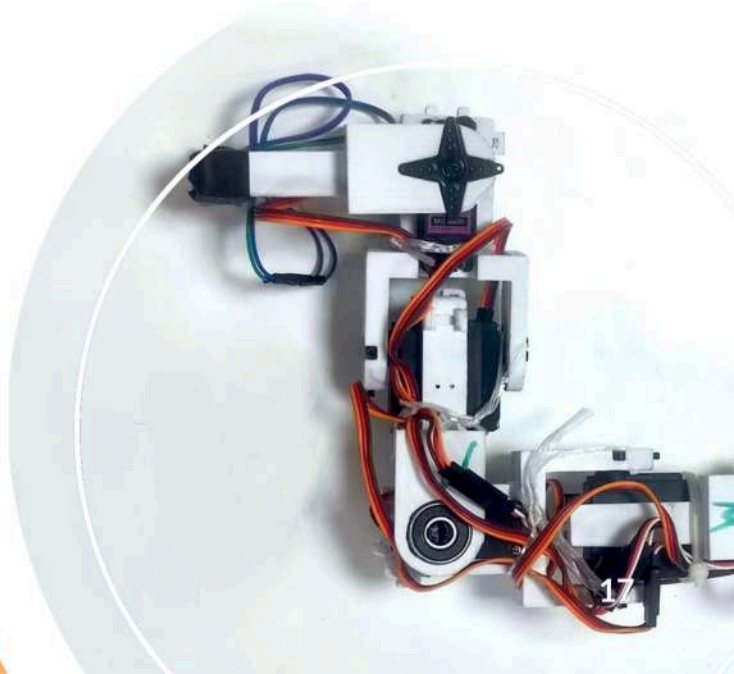

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NA

ENORD

Enord Pvt. Ltd.

TRL: 09

About

ENORD develops advanced drones with AI Pilot™ technology for various inspection tasks. Leveraging intelligent navigation and automated decision-making, ENORD's UAVs enable faster, safer, and more precise data collection. By integrating sensors, real-time analytics, and adaptive flight planning, the company aims to transform how industries approach inspection, monitoring, and surveillance missions

The Problem

Industries requiring routine inspections—such as infrastructure, energy, and agriculture—often rely on manual or semi-automated processes that are time-consuming and error-prone. Limited drone intelligence restricts versatility and precision, leading to incomplete data capture. This gap prolongs inspection cycles, raises costs, and exposes personnel to potentially hazardous conditions.

SECTOR: **INSPECTION DRONES**

Solution

ENORD's AI Pilot™ drones automate navigation, hazard avoidance, and data collection, reducing human intervention and elevating accuracy. Advanced sensor fusion supports real-time analytics, providing actionable insights across diverse terrains. By offering high-performance, versatile UAVs, ENORD enhances operational efficiency, minimizes risks, and delivers comprehensive intelligence for mission-critical inspection needs.

Leadership

MUHAMMAD ANAS

FOUNDER

Muhammad Anas, Founder & CEO of Enord, is a visionary entrepreneur and technocrat revolutionizing drone technology with AIon-edge solutions, securing patents, accolades, and strategic partnerships to advance drone applications in GPS-denied environments.

ZAIN SAEED

FOUNDER

Zain Saeed, Co-founder and COO of Enord, leads India ' s first AI on-edge drone tech startup, revolutionizing drone capabilities in GPSdenied environments while driving innovation, operational excellence, and strategic partnerships.

Website

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EXOBOT

Exobot Dynamic Pvt. Ltd.

TRL: 06

About

Exobot is a deep-tech robotics startup developing affordable, advanced prosthetic solutions for upper-limb amputees. Supported by organizations like IHFC, AIC IIT Delhi, BIRAC, and the FICCI–Mercedes-Benz grant, the company is commercializing its GripX myoelectric hand while advancing the next-generation X1 bionic hand for underserved global markets.

The Problem

A vast global population requires assistive devices, yet the majority of available prosthetics are prohibitively expensive, heavy, or technologically limited. Particularly in low-income regions, amputees lack access to functional solutions that restore fine motor skills. This disparity leaves millions with reduced independence, hampering daily activities. Furthermore, the market suffers from a lack of highly durable, affordable options that users can genuinely trust to support them in their day-to-day lives.

SECTOR: **ROBOTICS**

Solution

Exobot bridges the gap between advanced robotics and accessibility with its flagship GripXmyoelectric hand. Designed to be lightweight and robust, it replicates natural motions to restore independence. To ensure true affordability and broaden accessibility, Exobot utilizes a transparent and structured pricing model through its clinical partnerships. By combining these accessible commercial solutions with the advanced capabilities being developed for the upcoming X1 bionic limb, Exobot is actively transforming the quality of life for upper-limb amputees worldwide.

Leadership

MUNISH KUMAR
FOUNDER

Munish Kumar, Founder and CEO of Exobot Dynamics, is revolutionizing assistive technology with advanced bionic limbs and wearable robotics, leveraging his expertise in mechanical engineering and innovation.

HITESH JANGRA
FOUNDER

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FEMACARE

Femacre Pvt. Ltd.

TRL: 07

About

FEMACARE innovates in women's health through a full-stack care delivery model, anchored by a groundbreaking non- hormonal IUD. Clinically validated and patent-pending, this technology offers dual protection against unintended pregnancies and HIV/STIs. By combining accessibility, discretion, and costeffectiveness, FEMACARE aims to transform reproductive health outcomes in underserved global communities.

The Problem

Millions of women in low- and middle-income countries need comprehensive reproductive healthcare, including reliable contraception and protection from STIs/HIV. Hormonal methods can cause side effects, while current barrier solutions lack consistent dual coverage. These constraints elevate maternal mortality risks and limit women's autonomy over family planning and disease prevention.

SECTOR: **HEALTHCARE**

Solution

FEMACARE's non-hormonal IUD employs electrospun technology that delivers active pharmaceutical agents for simultaneous contraception and HIV/STI protection. This femalecontrolled, fully reversible device offers ease of use, minimal side effects, and broad accessibility. By empowering women with a single solution, FEMACARE aims to reduce unintended pregnancies and improve sexual health outcomes.

Leadership

CHARU SHARMA

FOUNDER

Charu Sharma, cofounder of Femacare and AyuScholar, is a 2X entrepreneur and MS in Obstetrics and Gynecology, innovating women ' s health with cutting-edge MedTech solutions in collaboration with IIT-Bombay

SACHIN BHARDWAJ

FOUNDER

Dr. Sachin Bhardwaj, an Ayurveda MD, entrepreneur, and clinical researcher, is the Founder & CEO of Ayuscholar Education Pvt. Ltd. and Femacare, where he integrates traditional medicine with innovation in med-tech solutions for reproductive health.

Website

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GATISHEEL

Gatisheel Agritech Pvt. Ltd.

TRL: 09

About

Gatisheel Agritech Private Limited designs and deploys AI- and IoT-enabled automation solutions for water and wastewater infrastructure, helping governments, utilities, and industries operate critical assets more efficiently and sustainably. The company automates pumphouses, sewage treatment plants (STPs), water treatment plants (WTPs), and irrigation systems by integrating sensors, controllers, and centralized SCADA-based control with a unified cloud platform.

The Problem

Farmers struggle with inefficient irrigation and crop management because they lack access to accurate, real-time data about soil conditions, weather, and crop needs. As a result, water and other resources are often overused or mismanaged, leading to lower yields, increased costs, and environmental strain. This inefficiency makes farming less predictable, less profitable, and harder to sustain in the long run.

SECTOR: **SUSTAINABILITY**

Solution

Gatisheel provides real-time monitoring, role-based access, automated alerts, and detailed analytics on water and energy consumption. Its AI-driven intelligence enables early fault detection, predictive maintenance, and optimized pump operations, reducing energy use, minimizing downtime, and lowering operational costs. By transforming manual and fragmented infrastructure into a single, data-driven system, Gatisheel improves service reliability, accountability, and overall performance of large-scale water infrastructure.

Leadership

AMAN KUMAR

FOUNDER

12+ years exp in IoT & Industrial devices, Passionate about improving livelihood with tech solutions. He has experience in growth strategy and agribusiness, leading the company's vision to improve farming efficiency through innovation.

Website

Pitch Deck

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GRAVITAZ AUTOMATIONS

Gravitaz Automations Pvt. Ltd.

TRL: 06

About

Gravitaz Automation develops a 5-axis CNC system featuring Pneumatically Configurable Polishing (PCP) for precision finishing. Their elastomeric tools enable uniform polishing of flat and freeform surfaces, targeting dies, molds, and implants. By merging engineering innovation with MATLAB-based simulation, Gravitaz brings scalable automation to industries demanding accurate, repeatable polishing results.

The Problem

Labor-intensive polishing processes often yield inconsistent finishes, relying heavily on skilled labor and time-consuming manual work. Complex geometries pose further challenges, driving up costs in fields like optics, manufacturing, and medical implants. Conventional polishing methods struggle to achieve precision, repeatability, and scalability without excessive human intervention or high error rates.

SECTOR: **SWARM TECHNOLOGY**

Solution

Gravitaz's PCP technology uses a 5-axis CNC machine coupled with elastomeric tools for automated precision polishing. A MATLAB-based simulation simplifies program generation, enabling accurate control of tool paths. This integrated approach reduces labor, boosts consistency, and scales production efficiently, revolutionizing traditional polishing workflows across diverse manufacturing sectors.

Leadership

ONKAR CHAWLA
CO-FOUNDER

With a strong background in Industry 4.0 technologies, Dr. Onkar Chawla currently leads the Automation division at Gravitaz Automation.

DR. TARUN VERMA
CO-FOUNDER

Dr. Tarun Verma currently leads the design fabrication and simulation division at Gravitaz Automation.

Website

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***i4* MGP**

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GROROBOTICS

Grorobotics Innovations Pvt. Ltd.

TRL: 07

About

GroRobotics Innovations Pvt. Ltd. builds intelligent, autonomous farming systems using AI, IoT, robotics and spectroscopy. Our solutions enable closed-loop nutrient dosing, irrigation and crop monitoring while customizing plant growth patterns for specific yield, quality or composition outcomes. We focus on scalable, climate resilient agriculture for commercial farms and controlled environment growers.

The Problem

Agriculture is fragmented and inefficient heavy reliance on manual labor, poor resource utilization, and lack of integrated monitoring systems lead to high costs, significant losses, and delayed decision-making. Despite being data-rich, farming remains decision poor, resulting in inconsistent productivity and inability to meet rising food demand.

SECTOR: **AGRICULTURE**

Solution

GroRobotics provides an Intelligent Farming Suite that integrates robotics, AI, and automation to enable precision agriculture—covering plant health monitoring, nutrient management, and targeted interventions. Through Agritech pilot deployments, it delivers a connected system that can observe, decide, and act in real time, reducing manual effort, optimizing resource use, and improving farm productivity and consistency.

Leadership

SIJO JOSEPH

FOUNDER

Drives innovation, growth and leads strategic initiatives to expand market presence. Recipient of awards by AOTS - Japan, NASSCOM, Head Start foundation award & Indian Leadership award

JOIS JOSEPH

COO

Work experience in divers industries including telecom and cloud computing system. Based in Europe, she drives oversees client interactions & international expansion

Product Image 02

Website

Pitch Deck

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HAPIHYGI

Hapihygi Innovations Pvt. Ltd.

TRL: 06

About

HygiSeat is a retrofittable automated toilet seat cleaning system that delivers a clean, dry and germ-free seat after every use through spraying, wiping, drying and UV-C disinfection. Designed for high-footfall locations such as hospitals, schools, colleges, offices, restaurants, malls, hotels and transport hubs, it improves user confidence, reduces UTI risks and lowers labour dependence for facility operators.

The Problem

Public restrooms in high-footfall locations often remain unhygienic because cleaning is not performed after every use. Users, especially women and children, fear using toilet seats, leading to avoidance behaviours and rising UTI cases. Lack of visible and immediate sanitation reduces user confidence and increases health risks. This challenge affects schools, hospitals, offices, transport hubs and other shared facilities, damaging public health outcomes and the reputation of these institutions

SECTOR: **MEDICAL**

Solution

HygiSeat is a retrofittable automated toilet seat cleaning system that ensures a clean, dry and germ-free seat after every use. The device performs spraying, wiping, drying and UV-C disinfection within seconds, without requiring changes to existing toilets. Designed for high-footfall facilities, it provides visible and reliable hygiene, improves user confidence, reduces UTI risks, and enables institutions to maintain consistent sanitation standards in a practical and user-friendly manner.

Leadership

ANURAG AGARWAL

FOUNDER

Anurag holds a B.Tech and M.Tech in Electrical Engineering with a minor in Systems and Controls from IIT Bombay. He has previously worked as a Scientist at ISRO for 3.5 years and as a Senior Design Engineer at AMD. At HapiHygi Innovations, Anurag oversees technical development, business operations, and finance.

RENUKA

CO-FOUNDER

Renuka holds a B.Tech and M.Tech in Electrical Engineering from IIT Bombay. She has prior experience as a Quality Analyst at Meditab and as a Software Developer at Intel. At HygiSeat, Renuka leads business development, partnerships, and market outreach, ensuring alignment between user needs and product strategy.

Website

Pitch Deck

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Intelligent Marine Mobility

I-4 MARINE TECHNOLOGIES

I-4 Marine Technologies Pvt. Ltd

TRL: 06

About

i4 Marine Technologies specializes in designing and manufacturing intelligent, eco-friendly unmanned surface and underwater vehicles. Focused on both defense and commercial sectors, the company builds indigenous solutions that ensure reliable maritime operations, from surveillance to data collection. Its high-end robotics promote sustainability, bolstering India's capacity for advanced marine innovation.

The Problem

Sustainable, homegrown maritime technologies remain limited, forcing reliance on costly imports that may not address local conditions. Many available solutions fail to integrate advanced AI, autonomy, and eco-friendly design, hindering robust defense readiness and commercial efficiency. This gap prevents seamless operations in critical areas like surveillance, research, and resource management.

SECTOR: **MARINE ROBOTICS**

Solution

i-4 Marine Technologies develops indigenous, intelligent marine vehicles featuring AI-driven autonomy, durable materials, and eco-sensitive designs. Tailored for defense and commercial use, these robust platforms reduce environmental impact and enhance operational performance. By fostering domestic innovation, i4 Marine empowers India's maritime sector to achieve greater sustainability and strategic self-reliance.

Leadership

PRAKASH KHANZODE

FOUNDER

Prakash Khanzode, an innovation expert with over 20 years of experience, leads Onio Design in delivering groundbreaking innovation strategies, creating over 1,000 products and services across diverse industries, and advancing design methodologies to enhance efficiency and impact.

ALOK MUKHERJEE

FOUNDER

Alok Mukherjee, CEO of I4 Marine Technologies and former DRDO Scientist, specializes in designing unmanned surface, underwater, and robotic vehicles for scientific and defense applications, with a strong foundation in R&D and computer science

Website

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INCUBE
REASEARCH & INNOVATIONS PRIVATE LIMITED

INCUBE

Incube Research & Innovations Pvt. Ltd.

TRL: 04

About

Incube R&D Innovations and Consultancy is a multidisciplinary engineering research and product development firm focused on affordable and innovative solutions in healthcare, robotics, automation, and agricultural technologies. Registered in 2025 and active in research for over a decade, the company specialises in converting research concepts into functional prototypes and commercially viable products. It has developed multiple patents and collaborates with academic and research institutions for indigenous technology development.

SECTOR: **HEALTHCARE SURGICAL ROBOTS**

The Problem

Spinal fusion surgeries continue to face significant challenges due to the complexity of pedicle screw placement in anatomically sensitive and visually inaccessible regions of the spine. Surgeons frequently operate in blind spots, making accurate identification of the insertion point and maintenance of insertion angles highly critical. Misalignment leads to implant failure, neural damage, paralysis, increased surgical time, and patient safety risks. Existing robotic systems are prohibitively expensive and largely inaccessible to hospitals across India, creating an urgent need for an affordable, intelligent surgical assistance platform.

Solution

Incube's automated spinal fusion robotic system assists surgeons with precise pedicle screw placement. The system integrates intelligent sensing, robotic actuation, and real-time image processing to accurately identify the insertion point and maintain optimal angle dynamically. It automates feed and withdrawal operations, reducing human error, surgical complexity, and dependence on continuous imaging exposure. The platform offers a cost-effective, scalable alternative to existing high-cost foreign robotic systems—improving surgical accuracy, patient safety, and operative efficiency at a fraction of the cost.

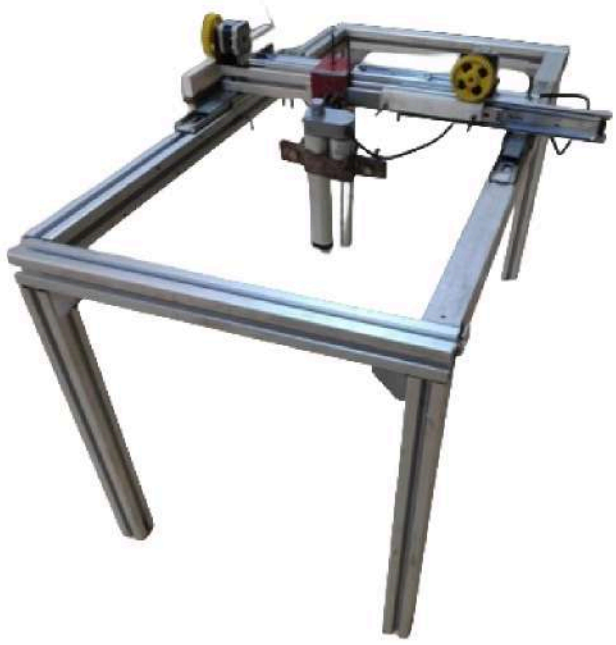
Leadership

Madhu Mohan R
Founder & Head

M.Tech (Product Design & Manufacturing). 10+ years in biomedical engineering, medical devices, prosthetics and implant automation. Funded by DST, BIRAC & NAARM. Awards: Young Researcher (AIIMS Delhi), Research Excellence in Medical Innovations.

Dr. M. R. Rajasekhar
Mentor

General & Colorectal Surgeon with 40+ years of expertise in proctology. MBBS & MS (Kurnool Medical College). Founder, Chirag Institute of Proctology. Specialist in laser treatment for colorectal disorders and advanced surgical technologies.



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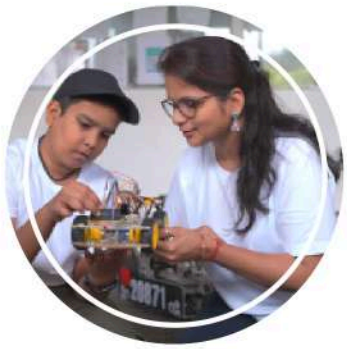
THE INNOVATION STORY

Edunnovate Technologies Pvt. Ltd.

TRL: 09



About

The Innovation Story empowers young minds through tech-focused skill-building programs, workshops, and initiatives. By fostering creativity, critical thinking, and hands-on problem-solving, it equips students with the tools to innovate in a rapidly evolving digital landscape. These offerings expand educational horizons, encouraging learners to tackle complex challenges and drive societal progress.

The Problem

Many educational systems struggle to offer up-todate tech-based learning opportunities at scale. Students often lack practical skills and real-world exposure, limiting their ability to solve modern problems. Furthermore, resource constraints and traditional curricula hamper broad implementation of technology-driven education, leaving learners unprepared for future workforce demands and innovation pathways.

SECTOR: **EDUCATIONAL ROBOTICS**

Solution

The Innovation Story provides scalable, tech-driven educational programs that integrate interactive learning experiences, hands-on projects, and digital tools. By collaborating with schools and communities, it tailors content to varied skill levels, ensuring wide accessibility. This approach enriches academic foundations, fosters innovation, and builds student confidence in tackling emerging global challenges.

Leadership

PUSHPA BHOSALE

FOUNDER

Meenal Subhasis Majumder Founder Meenal Majumder, founder of The Innovation Story and a mentor at FIRST, is a STEM education advocate leveraging AI, robotics, and innovation to empower students, with over 15 years of experience in corporate risk management and recognition as a Woodie Flower Finalist for outstanding mentorship.

Website

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IVF Precisions

IVF PRECISIONS

IVF Precisions Pvt. Ltd.

TRL: 07

About

IVF Precisions innovates in fertility preservation through Vitri Kr™ , a vitrification device designed for egg, sperm, and embryo storage. Its patented safety features minimize fertility loss and user errors. By enhancing the reliability of IVF procedures, IVF Precisions aims to improve patient success rates and reduce treatment costs in reproductive medicine.

The Problem

Conventional IVF vitrification devices often incur 20–30% fertility loss, carry safety risks in liquid nitrogen storage, and remain prone to operator errors. These shortcomings elevate costs, lower success rates, and jeopardize patient outcomes. Clinics need more reliable, user-friendly solutions that safeguard stored materials and streamline assisted reproductive treatments.

SECTOR: **MEDICAL**

Solution

Vitri Kr™ , IVF Precisions' disruptive device, features a patented triangular body, extended cap, dual safety locks, and user-focused design to ensure error-free operation and higher fertility retention. By eliminating common vitrification pitfalls, Vitri Kr™ helps clinics offer more consistent, successful IVF treatments, ultimately improving accessibility and reducing financial burdens.

Leadership

ASHOK REDDY

FOUNDER

Specializes in bio - medical preclinical technologies. Ph.D. in Chromatin Remodeling from Erasmus University and postdoctoral experience in Montreal, expertise in molecular biology and cancer biology. Career spans research roles at Liveon Biolabs and Baylor Scott & White Health, with numerous publications and awards like the FRQS and CSIR Fellowships.

SRAVAN PAYELI

FOUNDER

Sravan K. Payeli, Head of Innovation at IVF Precisions, is a scientist and inventor specializing in IVF medical technologies, ergonomics, robotics, and AI, with expertise in cellular biology, human physiology, and embryology.

Website

Pitch Deck

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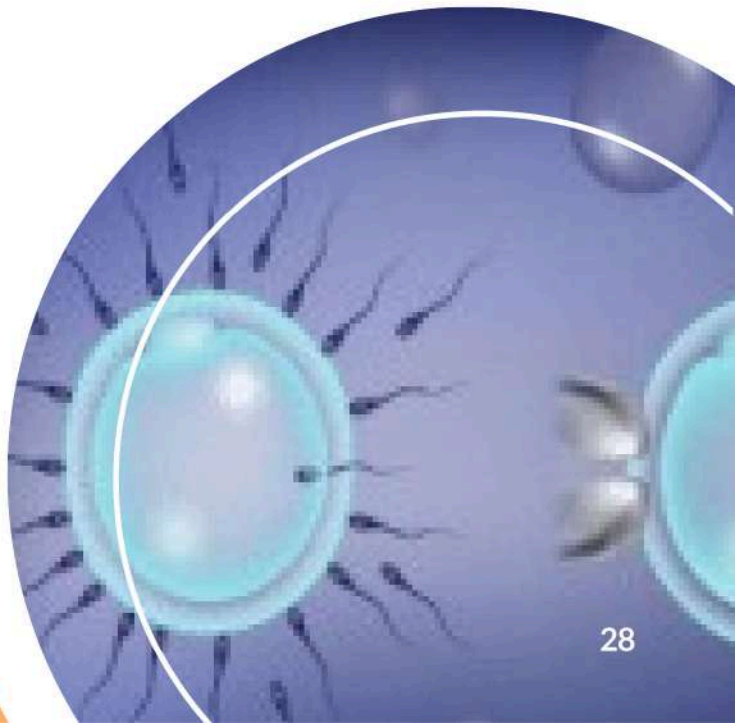

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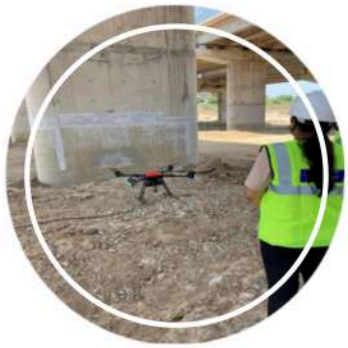
JET AEROSPACE DRONE

Jet Aerospace Drone Manufacturing Hub Pvt. Ltd.

TRL: 05



About

Jet Aerospace Drone Manufacturing Hub - Global Drone HubTM India's Leading Drone based R&D and Skilling Organization with 12 years experience. We provide services for all requirements of Government Agencies, TBI, TIH, Defence, industries and academic institutions under Drone, AI/IOT & Aerospace Sector. We outsource wholesale high quality products and equipment for Government Tenders, Drone Lab/COEs, Research, Testing & Skilling Facilities Setup & Requirements.

The Problem

Traditional methods of paint spraying, especially on large-scale surfaces like industrial buildings, ships, bridges, and high-rise structures, are laborintensive, time-consuming, and pose significant safety risks to workers due to exposure to hazardous environments and heights. Current techniques also face challenges in achieving uniform paint application and accessing hard-toreach areas efficiently.There is a need for an innovative solution

SECTOR: **INFRA, DISASTER, DEFENCE**

Solution

Traditional Spraying Drones carry Tank to lift iquids. Our drones are tethered, therefore drone is made lighter and at lower cost. Drone will be autonomous, therefore the labour need not be skilled to operate this drone. Reduces Time consumption for painting.Improved accuracy for painting surfaces.

Leadership

ARUL JYOTHI D

ADMIN DIRECTOR

Jet Aerospace: She serves as admin director for this private entity, which is involved in the manufacturing of drone-specific products and solutions. Education: B.E. Civil & MBA Experience: 12 Years of Experience

BALAKANNAN JAYACHANDRAN

MANAGING DIRECTOR

Jet Aerospace: He leads Jet Aerospace Aviation Research Center, which focuses on UAV (Unmanned Aerial Vehicle) and Nano-satellite research. He serves as a director for this private entity, which is involved in the manufacturing of drone-specific products. Education: BE.ME.PhD Aerospace Engineering Experience: 12 Years of Experience

Website

Pitch Deck

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KAIDOKO

Kaidoko Automation Solutions Pvt. Ltd.

TRL: 09

About

Kaidoko harnesses AI, cognitive psychometrics, and behavioral analysis to deliver personalized learning solutions. Its adaptive platform pinpoints individual strengths, weaknesses, and interests, offering customized educational paths. By providing deep psychological insights, Kaidoko empowers students to excel, while equipping educators and policymakers with data-driven strategies for improving overall learning outcomes.

The Problem

Traditional education often employs a one-sizefits-all approach that overlooks individual student needs. This leads to disengagement, unaddressed learning gaps, and limited skill development. Educators and policymakers also struggle to obtain actionable insights into students' cognitive and psychological profiles, hampering their ability to design effective, evidence-based interventions for holistic student growth.

SECTOR: **EDUCATIONAL APPS**

Solution

Kaidoko's AI-powered platform personalizes learning by analyzing cognitive abilities, behaviors, and emotional traits. It offers targeted recommendations and supports introspection, helping students discover aptitudes and interests. Educators gain detailed analytics to refine teaching methods, while policymakers receive macro-level data for strategic planning, closing the gap between standardized curricula and individual potential.

Leadership

Anish Batra

FOUNDER

Anish Batra, Co-Founder of Kaidoko and former AWS developer at Amazon, leverages expertise in AI, data science, and cognitive psychology to build innovative, scalable solutions, with a strong focus on operations, customer satisfaction, and applying cutting-edge technology to real-world challenges.

Guneet Sethi

FOUNDER

Guneet Singh Sethi, Co-Founder of Kaidoko and affiliated with IHFC and NASSCOM 10,000 startups is a technological innovator with expertise in AI and machine learning, focussed on developing intelligent solutions and personalized automation systems.

Website

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KELVIN 6K

Kelvin 6K Technologies Pvt. Ltd.

TRL: 09

About

Kelvin 6K pioneers 3D printing and robotic technologies to revolutionize construction efficiency. Its rapid-build methods enable cost-effective solutions for housing, especially in underserved regions. By merging design flexibility with automated processes, Kelvin 6K reduces labor-intensive steps and shortens project timelines, aiming to reshape the future of affordable construction worldwide.

The Problem

Housing shortages persist in many regions due to traditional building methods that are slow, laborintensive, and expensive. Conventional construction struggles to meet growing demand for affordable homes while maintaining quality. These limitations not only inflate costs but also prolong project cycles, leaving lower-income communities with limited, substandard housing options.

SECTOR: **CONSTRUCTION ROBOTS**

Solution

Kelvin 6K leverages 3D printing and robotics to streamline the construction process, significantly cutting build times and material waste. Its technology fabricates durable, cost-effective structures that scale for both residential and commercial needs. By automating key steps, Kelvin 6K makes housing more accessible, addressing global demands for efficiency and affordability.

Leadership

PRADEEPKUMAR SUNDARRAJ

FOUNDER

Pradeepkumar Sundarraj, founder of Kelvin6k, is pioneering sustainable housing with innovative concrete 3D printing technology that halves construction time and cuts material and labor costs by 30%, drawing on expertise from leading institutions like the German Aerospace Center and NREL.

Website

Pitch Deck

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KINESHIA

Kineshia Robotics

Kineshia Robotics Pvt. Ltd.

TRL: 09

About

Kineshia Robotics Pvt. Ltd., incorporated on 11th September 2021, is a spin-off company from IIT Madras, engaged in the design and development of innovative robotics products. The company brings together expertise from IIT Madras, IIITDM Kancheepuram and IIT Tirupati—spanning mechanism design, control systems, locomotion, and surgical robotics—to create versatile robotic platforms for education and research.

SECTOR: **ROBOTICS EDUCATIONAL RESEARCH**

The Problem

Current academic robotics labs require separate, expensive equipment for every individual experiment—each robot platform is purpose-built for a single task such as grasping, locomotion, or manipulation. This results in high capital costs, significant space constraints, and severely limited pedagogical flexibility. Students and researchers cannot easily explore cross-domain robotics such as combined manipulation and locomotion on a single system, fragmenting learning outcomes and slowing research throughput in under-resourced institutions.

Solution

GraspMan is a multifunctional, modular robot capable of grasping, manipulation, and locomotion using a single unified platform. It supports multiple modes of grasping (pinch grasp and power grasp), within-hand manipulation (sliding and rolling), and multi-modal locomotion (rolling, prehensile walking, non-prehensile walking). This combination makes GraspMan a unique platform for robotics education and research in manipulation, control, and locomotion—delivering lab-grade versatility at a fraction of the cost of multiple specialised systems.

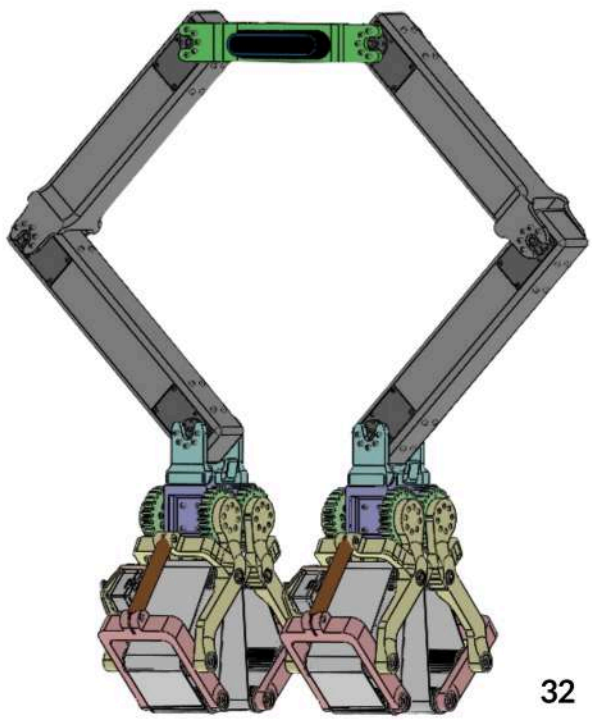
Leadership

Dr. Asokan T
Founder

Professor, Engineering department at IIT Madras, Dept. More than 30+ years in robotics. 150+ international publications. 26 patents. Pioneer in field robotics and intelligent systems.

Dr. Nagamanikandan G
Founder

Asst. Professor specialised in mechanism design and mobile manipulation. Core designer of GraspMan's locomotion design and architecture.



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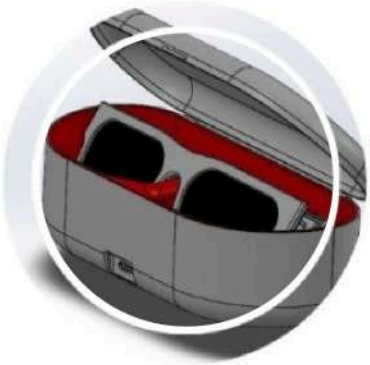
LIGHTRAY TECHNOLOGIES

Lightray (Retro Panda Labs)

TRL: 04



About

Lightray is a forward looking technology company driven by a passion for innovation, safety, and real world impact. Founded by a team of engineers and problem solvers, we believe in using artificial intelligence to build practical solutions that improve everyday life. At Lightray, we are committed to delivering meaningful change through accessible, smart, and human-centered technologies. We aim to lead with purpose, learn continuously, and create a safer, smarter future for all.

The Problem

Motorcycle riders face a high risk of accidents due to limited visibility, blind spots, and lack of safety features. Unlike cars, most two-wheelers don't have systems that warn riders about nearby vehicles or road dangers. This makes it hard to detect collisions early, especially in crowded or fast-moving traffic. There is a need for a smart, affordable safety solution designed specifically for motorcycles.

SECTOR: **RARTIFICIAL INTELLIGENCE, AUTOMOBILE**

Solution

Lightray's AI-powered safety system helps motorcycle riders stay more aware and confident on the road. It uses smart cameras and AI to detect lanes, nearby vehicles, and distances in real time, giving early warnings to avoid blind spots and potential collisions. The system works seamlessly with our AI-enabled glasses, which provide gentle audio alerts keeping riders informed without distraction. Compact, affordable, and easy to install on any bike, Lightray brings intelligent safety and peace of mind to every ride, no matter the traffic or weather

Leadership

AASHISH BHARUDE

Founder

Aashish Bharude is a dynamic entrepreneur and business leader who co-founded Pune-based LightRay in August 2022. He has a strong track record in scaling ventures and business development, including international experience in Dubai as Business Development Manager at Dynagraph and Jumbo 3D Manufacturing.

Website

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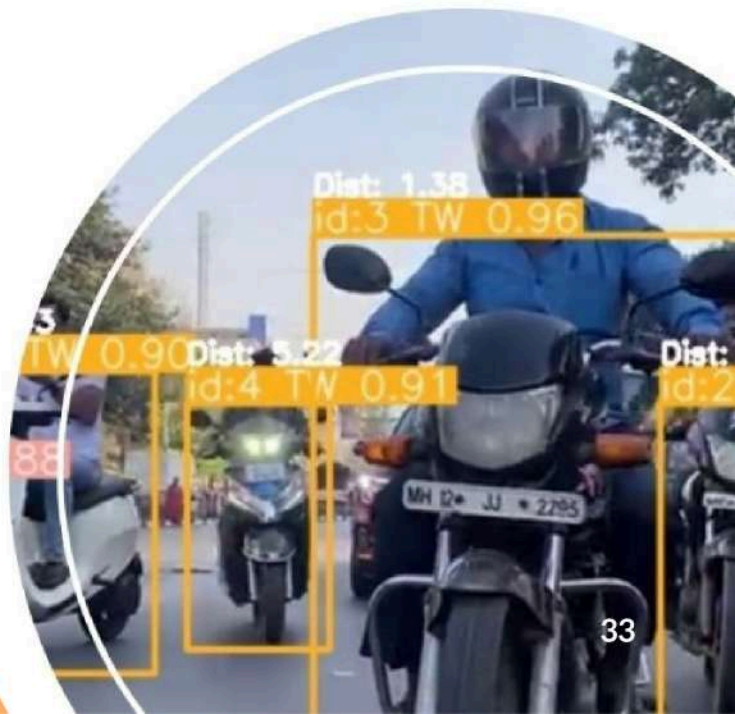

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MEIYUR TECHNOLOGIES

A Division of MESDL

TRL: 04

About

Meiyur Technologies, Chennai, is a startup company focused on drones, autonomous systems and robotics duly registered under the Startup India initiative. The company focuses on current technologies, products and services. The next decade will see technological interventions in every sphere of activity. The company intends to work in technologies that offer, innovative and technically challenging projects.

The Problem

Application of AI and Deep Learning technologies for disease identification in plants using drones. The traditional present technologies are more perception based and require the presence of an agricultural specialist intervention, at various stages of the cycle of disease identification. In contrast we have used deep learning and machine learning technologies and adopted a fully automated process with minimal human intervention.

SECTOR: **AUTONOMOUS SYSTEMS**

Solution

Adopting Advanced Computer Vision Technologies, and using high precision cameras for data collection and deploying deep learning techniques for disease identification, we have achieved a significantly higher benchmark for disease identification with the accuracy at 3.59% from the traditional 8% global average.

Leadership

DR. M. K. PADMANABHAN

FOUNDER

PhD. in Aerospace Engineering from IIT Bombay, and specializes in the application of Autonomous Systems in various domains, ably supported by a team of IT and ITES Professional.

Website

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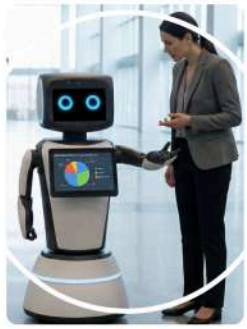
MENSCH ROBOTICS

Mensch Robotics Pvt. Ltd.

TRL: 06



About

Mensch Robotics Private Limited is a robotics startup that develops robotics solutions for diverse sectors, including reception and guidance, the education sector and the food and beverage (F&B) industry. The startup aims to bring artificial intelligence into physical spaces through robotic systems that enhance learning, service delivery, and human interaction.

The Problem

Traditional teaching meathods alone won't helping student to find the best expression of his talents. Making students into data repository wont works in an AI-driven world. Education should nurture individuality, help students discover their talents, and encourage expression from younger ages. The lack of intelligent, personalised Physical AI tools prevents institutions from fostering truly inspiring and adaptive learning environments.

SECTOR: **INDUSTRY NICHE**

Solution

AI Teacher robot creates a personal connection with the students. It is designed to identify strengths and weaknesses of student through adaptive assessments and interaction.The robot summarises educational topics based on student grade and strengths. AI Teacher gives personalised language practice, and recommends career pathways aligned with individual aptitude.It conduct AI guided activities in class to inspire and ignite curiosity in students.

Leadership

Bibin Thomas

Founder

I am the CEO and Director of Mensch Robotics Pvt Ltd, leading design and team coordination. Driven by humancentered innovation, I work to build socially aware robots that advance humanity and society.

Product Image 02

Website

Pitch Deck

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mountford

MOUNTFORD HEALTH

Mountford Health Pvt. Ltd.

TRL: 04

About

Mountford Health Pvt. Ltd. is an innovative medical technology startup committed to democratizing advanced healthcare solutions by making them affordable, accessible, and user-friendly. Our mission is to address critical gaps in emergency and critical care through intelligent, affordable technologies that enhance patient safety and improve outcomes, especially in resource-constrained healthcare settings.

The Problem

Effective airway management during emergencies and critical procedures is essential yet remains challenging, particularly in low-resource environments. Difficult airway scenarios, such as trauma cases, cervical spine injuries, or limited mouth openings, increase the risk of intubation failure, leading to serious complications or preventable deaths. Existing video laryngoscopy technologies are often expensive, complex, and inaccessible for many healthcare providers, especially in developing countries.

SECTOR: **HEALTHCARE**

Solution

Mountford Health' s flagship innovation is an AI-enabled Video Laryngoscope integrated with realtime anatomical recognition and a maneuverable video stylet attachment. This device significantly improves the safety, speed, and accuracy of intubations, empowering healthcare providers— including those with limited experience—to perform successful intubations in challenging scenarios. Its modular, cost-effective design ensures accessibility across diverse healthcare environments, bridging critical gaps and advancing patient care.

Leadership

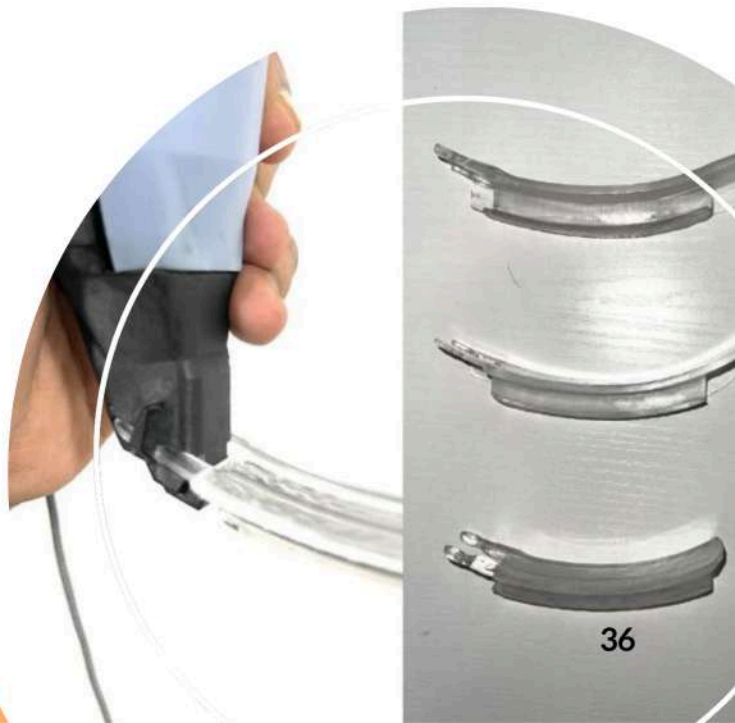
DR. ABDUL KHALIQUE ANSARI

FOUNDER

Dr. Abdul Khalique Ansari, founded Mountford Health Pvt. Ltd. after witnessing failed intubations during COVID-19 due to lack of proper equipment. Leaving clinical practice, he transitioned into MedTech innovation, served as Medical Manager at KIIT-TBI, and now leads development of AI-guided airway management tools for safer, accessible intubation.

Website

Pitch Deck



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NAWE ROBOTICS

Nawe Robotics Pvt. Ltd.

TRL: 05

About

Nawe Robotics builds robotic-assisted rehabilitation systems that bolster physiotherapy outcomes and alleviate therapist fatigue. By automating repetitive exercises with precise control, Nawe's solutions support targeted patient recovery plans. Emphasizing user comfort, data tracking, and continuous feedback, the company aims to modernize rehab processes for hospitals, clinics, and home-care environments.

The Problem

Physiotherapy often relies on manual, repetitive exercises that strain therapists and yield inconsistent results. Limited technological support makes it difficult to maintain optimal therapy intensity and track patient progress, prolonging recovery. As patient volumes rise, healthcare providers need innovative, scalable solutions to ensure consistent treatment quality and better outcomes.

SECTOR: **REHABILITATION ROBOTICS**

Solution

Nawe Robotics develops robotic-assisted rehab devices that automate repetitive motion, reduce therapist workload, and standardize exercise protocols. Equipped with sensors for real-time feedback, these systems track patient performance and adjust difficulty levels as needed. By integrating data analytics, Nawe delivers personalized therapy, enabling faster recoveries and improved quality of care.

Leadership

AMARNATH HARIKUMAR

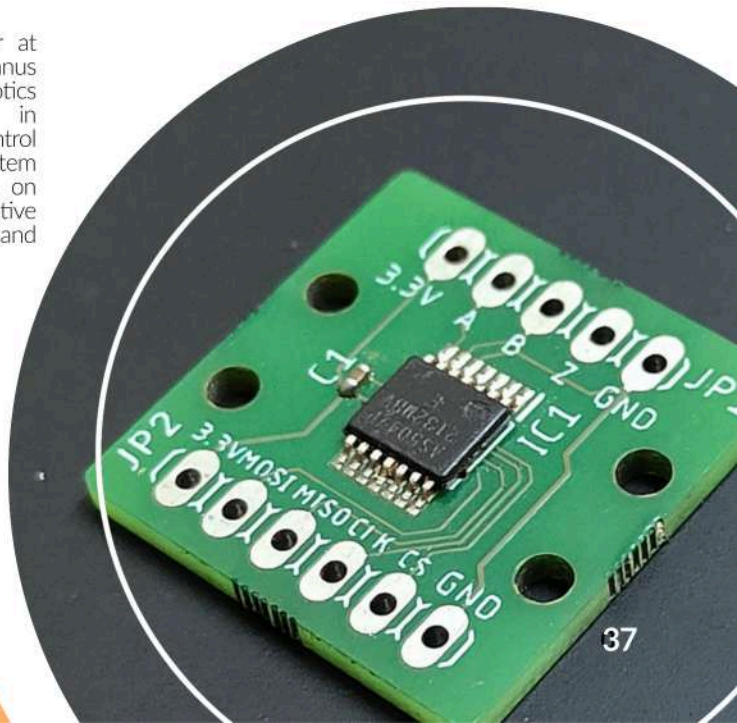
FOUNDER

Specializes in product development, systems modeling, and robotics innovation. With a B.Tech in Engineering Physics from NIT Calicut, his expertise includes designing autonomous systems and leading engineering teams. Amarnath is also published in IEEE Xplore for his work on autonomous underwater vehicles and has a strong passion for advancing robotics and human-machine interfaces.

JUBIN MATHEW

FOUNDER

Jubin Mathew, co-founder at Nawe Robotics and an alumnus of NIT Calicut, is a robotics enthusiast specializing in product design, control systems, and system integration, with a focus on developing innovative hardware solutions and rehabilitation devices.



Website

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Neurodrishti

Neurodrishti Pvt. Ltd.

TRL: 06

About

NeuroDrishti is an assistive-technology startup creating multimodal AI smart glasses and a companion app for the visually impaired. These lightweight, affordable wearables provide real-time voice guidance for navigation, reading, and social interaction. Supporting 10+ languages, the solution empowers users to navigate the world with independence, safety, and confidence

The Problem

India has over 74 million visually impaired individuals facing severe daily challenges, including restricted independent navigation, difficulty reading printed or handwritten text, and social isolation due to an inability to recognize faces or expressions, Existing assistive technologies are often prohibitively expensive and lack regional language support, leaving a vast majority without accessible tools to improve their independence, safety, and quality of life within their communities.

SECTOR: **MEDICAL**

Solution

NeuroDrishti Glasses for visually impaired users, the glasses combine computer vision, multimodal AI, and voice interaction to read text, detect objects, navigate environments, and interpret human behavior. Powered by AurViz OS and on-device AI agents, the system delivers low-latency assistance for mobility, productivity, and safety—at an affordable price for emerging markets like India.

Leadership

ASHWANI YADAV

FOUNDER

Ashwani (B.Tech, Electrical Engineering, HBTU Kanpur) is CEO of NeuroDrishti, leading product vision and AI integration to build affordable AI-powered assistive smart glasses.

AKSHAT KASERA

CO-FOUNDER

Akshat (B.Tech, Chemical Engineering, HBTU Kanpur) is COO at Neurodrishti, leading software and OS development for the smart glasses platform

Website

Pitch Deck

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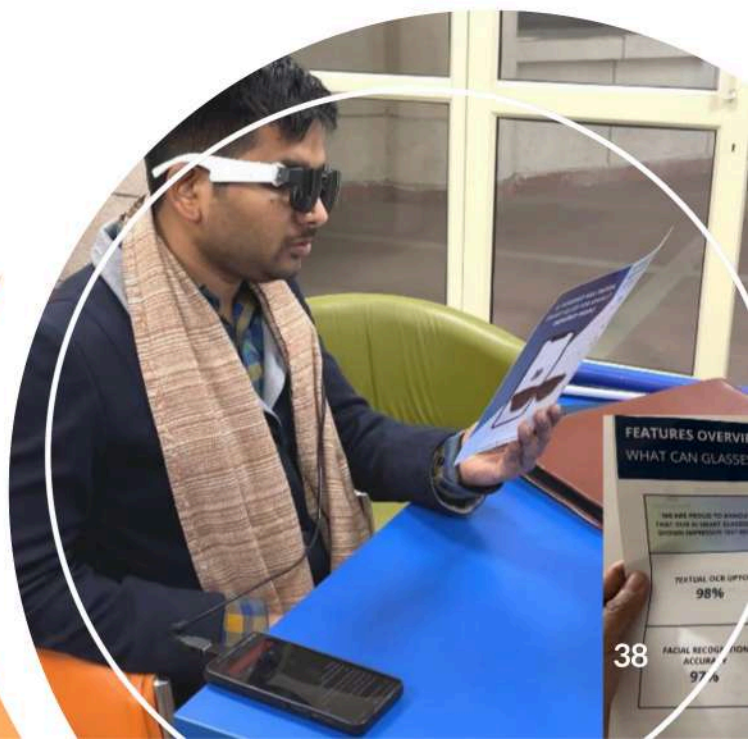

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NeuraSim
Reality in Neuroscience

NeuraSim

NeuraSim Pvt. Ltd.

TRL: 08

About

NeuraSim is an award-winning cutting-edge health-tech company specializing in virtual reality (VR)based vision therapy solutions. Our mission is to redefine eye care through immersive, AI-powered digital therapeutics, making treatment more engaging, accessible, and effective.

The Problem

Amblyopia (lazy eye) is a common vision disorder affecting millions globally, but existing treatments like patching are uncomfortable, slow, and often lead to poor compliance and inconsistent results. This creates a significant gap in effective and accessible care, especially in India. NeuraSim addresses this need with VR-based therapy, offering an engaging, scalable solution backed by strong market and clinical interest.

SECTOR: **MEDICAL**

Solution

BeeVee is a VR-based amblyopia therapy that replaces traditional patching with immersive, gamified experiences that train both eyes together to improve binocular vision. It uses AI to adapt in real time and leverages neuroplasticity to enhance effectiveness, while allowing patients to undergo short, engaging sessions at home with remote clinical monitoring

Leadership

GIRISH SOMAVANSHI

FOUNDER

Mr. Girish S, COO, holds a PG in Management from SIESCOMS and a Biochemistry degree from Somaiya College, with 20+ years of experience across companies like Abbott, Cipla, and Torrent Pharma.

DR. RAMESH S VE

CO-FOUNDER

Dr. Ramesh S. has 23+ years in eye care and research, with a PhD from BITS Pilani and post-doc from Johns Hopkins, and experience at Sankara Nethralaya and MAHE.

Website

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Newrro Tech

Newrro Tech LLP

TRL: 08

About

Newrro Tech LLP is an education-focused robotics company committed to bridging the gap between theory and practical learning. We design hands-on robotics kits, research labs, and industry-aligned curricula that empower students, educators, and institutions to build real-world skills in robotics, automation, and intelligent systems through experiential learning.

The Problem

Educational institutions and young innovators face a widening gap between theoretical learning and practical, industry-relevant robotics skills. Limited access to structured labs, affordable platforms, and guided mentorship restricts hands-on exposure to real-world automation, AI, and robotics systems. As a result, students graduate with insufficient practical competence, while institutions struggle to keep pace with evolving technologies and industry expectations.

SECTOR: **EDUCATION**

Solution

Newrro Tech addresses this gap by providing structured, hands-on robotics lab solutions that combine modular hardware kits, industry-aligned curriculum, and guided training. Our platforms enable students to design, build, program, and test real robotic systems using modern tools such as ROS, AI, and automation frameworks. By offering scalable lab setups, faculty enablement, and continuous support, we help institutions deliver practical learning and prepare students for realworld engineering challenges.

Leadership

NIKHIL U
FOUNDER

Nikhil U is a product designer at Newrro Tech, focusing on robotics hardware aesthetics, usability, and manufacturable designs that bridge engineering precision with practical, student-friendly innovation and educational impact globally.

BINDUSAGAR M G
CO-FOUNDER

LATE H. M. BASAVARAJA
CO-FOUNDER

Website

Pitch Deck

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NOVAE AVENUE

Papli Labs Pvt. Ltd.

TRL: 09

About

Novae Avenue offers 4G-enabled dash cameras with GPS tracking and real-time video streaming to bolster fleet management and vehicle security. Tailored for the Indian market, its solutions provide cloud-based incident response, enabling swift action and reducing losses. By combining advanced telemetry with user-friendly interfaces, Novae Avenue elevates road safety standards

The Problem

Standard dash cameras in India lack real-time connectivity, GPS tracking, and seamless data storage. As a result, fleet operators and private vehicle owners struggle to capture and act on crucial incident data promptly. This shortcoming compromises driver safety, increases liability risks, and limits efficient oversight of large-scale vehicle fleets.

SECTOR: **AR DEVICES**

Solution

Novae Avenue's connected dash cameras integrate 4G, GPS tracking, and cloud-based event monitoring. Real-time video streaming and incident alerts allow managers to respond quickly to on-road emergencies, theft, or accidents. By delivering continuous data analytics, Novae Avenue improves fleet security, reduces risks, and fosters a safer driving environment.

Leadership

PRADYUM GUPTA
FOUNDER

Pradyum Gupta, an engineer turned entrepreneur and designer, leverages his expertise in computer vision, backend coding, and UX/UI design to drive innovation as the Founder & CEO of Novae Avenue, a startup developing real-time road analytics solutions for safer and more efficient urban mobility.

PUNEET GUPTA
FOUNDER

Pitch Deck

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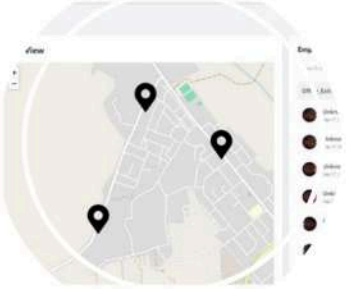
PIXUATE

Cocoslabs Innovation Solutions Private Limited

TRL: 09



About

Pixuate delivers real-time, AI-driven video analytics to enhance security across industries. Its platform detects threats, monitors activities, and streamlines surveillance operations, enabling faster, data-backed decision-making. By integrating computer vision and machine learning, Pixuate provides robust safety measures that minimize human error and improve overall situational awareness in critical environments.

The Problem

Many industries lack timely, intelligent video analytics to proactively address security concerns. Conventional surveillance systems often rely on manual monitoring, making them prone to oversight and delayed responses. As threats become more sophisticated, the need for automated, AI-driven solutions increases, ensuring comprehensive coverage and rapid intervention in critical security scenarios

SECTOR: **VIDEO ANALYTICS**

Solution

Pixuate's AI-based video analytics platform processes feeds in real time, identifying anomalies, unauthorized access, or suspicious behavior with high accuracy. It integrates seamlessly with existing surveillance infrastructures, providing actionable alerts and reducing response times. This data-centric approach strengthens security protocols, prevents potential risks, and promotes safer, more efficient surveillance operations

Leadership

PRATWIRAJ PALEKAR

FOUNDER

Pratwiraj Palekar, founder of Pixuate, is a deep tech entrepreneur and visionary behind an AI-powered computer vision platform, enabling intelligent automation for global clients like Hindustan Unilever and BigBasket since 2014.

AKSHATA KARI

FOUNDER

Akshata Kari, Co-Founder and CEO of Pixuate, leverages deep-tech video analytics to enhance enterprise safety and security, with a strong background in business development, startup acceleration, and women entrepreneurship.

Pitch Deck

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IHFC OBOARDING 2012

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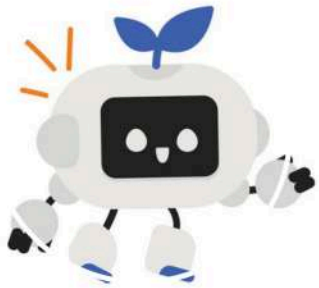
RANCHO LABS

Rancho Labs

Ranchovation Labs Pvt. Ltd.

TRL: 09



About

Rancho Labs fosters curiosity-driven learning through interactive educational tools and activities. By emphasizing hands-on experimentation and real-world problem solving, it bridges the gap between theory and practice. Designed for Indian students, the platform nurtures creativity, critical thinking, and innovation, helping learners gain practical skills essential for modern academic and career success.

The Problem

India's education system emphasizes rote learning and theoretical understanding, limiting students' ability to apply concepts practically. As a result, learners often lack the experiential knowledge to tackle real-world challenges, undermining creativity and problem-solving skills. This focus on exam-based metrics overlooks crucial competencies needed for future societal and economic demands.

SECTOR: **AR DEVICES**

Solution

Rancho Labs provides experiential learning programs that transform theoretical lessons into tangible, project-based activities. Students engage with hands-on experiments, fostering curiosity, collaboration, and critical thinking. By connecting classroom knowledge to practical applications, Rancho Labs cultivates an innovative mindset, enhances problem-solving abilities, and prepares learners to address emerging real-world challenges

Leadership

ANSHUL AGARWAL

FOUNDER

Anshul Agrawal, an IIT Delhi alumnus and founder of Rancho Labs, specializes in fostering innovation in STEM education, mentoring young minds in robotics, coding, and AI, and has a rich background in entrepreneurship and strategic collaboration

AMAN KUMAR

FOUNDER

Aman Kumar, co-founder of Rancho Labs and an IIT Delhi alumnus, is dedicated to revolutionizing education through experiential learning in coding, robotics, and AI, impacting over 10,000 parents and 150 schools since 2019.

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SEIANMAI TECH.

SEIANMAI TECH

Seianmnai Technologies Pvt. Ltd.

TRL: 07

About

SeiAnmai Technologies delivers telepresence robots that enable seamless remote interaction for business, healthcare, and personal use. These mobile, high-definition communication platforms minimize travel requirements while preserving face-to-face engagement. By leveraging robust connectivity and intuitive controls, SeiAnmai helps organizations and individuals stay connected without the expense or environmental impact of physical travel. SECTOR -REMOTE INTERACTION ROBOTICS

The Problem

Frequent travel for meetings, inspections, and collaborations increases costs, carbon emissions, and productivity downtime. Standard video conferencing lacks mobility and on-site presence, limiting user engagement. The need for more immersive and interactive remote solutions grows as businesses and individuals seek to reduce expenses and environmental impact while maintaining effective communication.

SECTOR: **REMOTE INTERACTION ROBOTICS**

Solution

SeiAnmai's telepresence robots combine live video streaming, autonomous navigation, and userfriendly interfaces. Remote operators can interact with people and environments in real time, moving around spaces as if physically present. This solution cuts travel expenses, reduces carbon footprints, and fosters richer engagement than static video conferencing platforms.

Leadership

SRIKRISHNA

FOUNDER

Srikrishna Sowrirajan, a graduate of NIT Tiruchirappalli, is the Founder and Director of SeiAnmai Technologies, specializing in telepresence robotics and mobile robotics development, with a strong background in engineering and research.

Website

Pitch Deck

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SIMHATEL

Simhatel Technologies Pvt. Ltd.

TRL: 07

About

Simhatel harnesses advanced AI and robotics for oil and gas pipeline inspections. By deploying drones and autonomous ground vehicles, it provides real-time data analytics and predictive maintenance. Through digitized inspection methods, Simhatel enhances efficiency and safety in industrial operations, reducing downtime, mitigating risks, and preventing costly pipeline failures.

The Problem

Traditional pipeline inspections rely on manual methods that are time-consuming, hazardous, and prone to human error. As infrastructure ages and demands more rigorous oversight, industries need advanced tools to identify potential failures sooner. Inefficient inspection techniques drive up maintenance costs, elevate safety risks, and threaten continuity of critical operations.

SECTOR: **INSPECTION ROBOTICS**

Solution

Simhatel's autonomous drones and ground vehicles, equipped with AI-driven sensors, offer rapid, precise pipeline inspections. Its integrated platform digitizes data collection, enabling real-time analytics for proactive maintenance. By shifting from manual checks to automated monitoring, Simhatel improves operational safety, cuts downtime, and helps industries maintain reliable, costeffective pipeline systems.

Leadership

AMIT SHUKLA
FOUNDER

Dr. Amit Shukla is the Chairperson of the Centre for AI & Robotics (CAIR) at IIT Mandi, with extensive experience in robotics, AI, and control systems. An alumnus of IIT Kanpur and Imperial College London, he has led robotics research globally and founded startups like SIMHATEL and Deep Algorithms.

GARIMA SINGH
FOUNDER

Website

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SVANA ACOUSTICS

Svana Acoustics Pvt. Ltd.

TRL: 04

About

The startup addresses the problem of underwater inspection and surveillance using acoustic sensors. The technology replaces any human intervention in dangerous and repetitive tasks in underwater environment. We are developing advanced underwater inspection and surveillance techniques with the help of advanced sensors mounted on unmanned underwater vehicles. The advanced algorithms that we are developing ensure meticulous execution, thereby addressing the need for consistent quality standards and accurate inspections of underwater infrastructure.

SECTOR: **DEFENCE**

The Problem

There is a gap in design and manufacturing of high-performance piezoelectric transducers nationally, which are foundational to underwater sensor systems. We aim to directly address this gap by developing advanced piezoelectric transducers domestically, reducing dependence on imports and strengthening the national underwater sensing ecosystem. Through our startup, we are translating our core R&D expertise into useful market ready solutions

Solution

We are unique in designing our technological solution through in-house development of various components including transducers, custom circuit boards, signal processing algorithms and associated firmware. They stand out by ingeniously integrating cutting-edge technologies like artificial intelligence, machine learning, and advanced sensors. This type of fusion enables the development of sensors with unprecedented capabilities, setting standards in performance and efficiency

Leadership

V. K. CHALAMALLA

FOUNDER

Founder is a mechanical engineer by training with core expertise in fluid dynamics, computational modeling, and marine robotics. He is currently an Associate Professor in the Department of Applied Mechanics at IIT Delhi. He has been working on underwater technologies since last 6 years developing cutting edge solutions for underwater inspection and sensors.

SUSHMA SANTAPURI

CO-FOUNDER

Sushma Santapuri is an Associate Professor in the department of Applied Mechanics at IIT Delhi. Prior to joining IIT Delhi in 2016, Dr. Santapuri has held research positions at UC Berkeley and Ohio State University. Her research expertise is in smart materials, intelligent device design, multiphysics modeling and structural design.

Website

Pitch Deck

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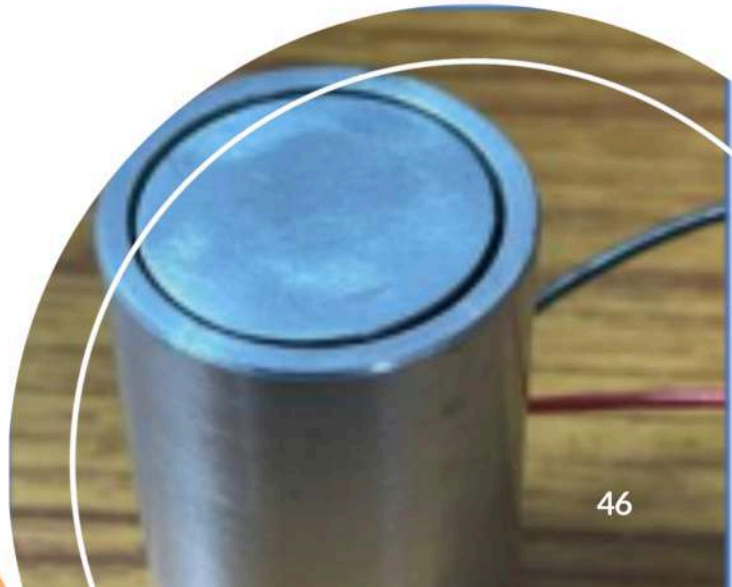

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SYSTEMANTICS
sensible robotics

SYSTEMANTICS

Systemantics India Pvt. Ltd.

TRL: 09

About

Systemantics develops cost-effective collaborative robotic arms that support human-robot teams in manufacturing and other industrial applications. Their solutions prioritize usability, affordability, and reliability, enabling businesses to automate repetitive tasks efficiently. By integrating safety features and intuitive controls, Systemantics opens new possibilities for industries seeking accessible, advanced robotics.

The Problem

Many manufacturers cannot afford conventional robotics due to high costs, complexity, and limited flexibility. This hinders small and medium enterprises from achieving scalable automation, creating inefficiencies and labor bottlenecks. Without affordable, user-friendly collaborative robots, businesses struggle to improve productivity, adapt to changing market demands, or optimize their operations fully.

SECTOR: **COLLABORATIVE ROBOTICS**

Systemantics offers collaborative robotic arms engineered for cost-effectiveness and ease of use. Built with robust safety features and adaptable grippers, these arms accommodate diverse tasks, from assembly to material handling. By lowering the entry barrier for automation, Systemantics empowers businesses to boost output, reduce labor strain, and remain competitive.

Leadership

G. JAGANNATH RAJU

FOUNDER

Founder Jagannath Raju is the CTO of Systemantics India Pvt. Ltd., with over 30 years of experience in robotics and automation. An alumnus of IIT Madras and the University of California, Berkeley, he has made significant contributions to industrial robotics in India, specializing in mechanical engineering and robotic system

PRADEEP SINGH

FOUNDER

Pradeep Singh, Vice Chairman of Pratham USA and Chairman of Aditi Consulting, is a visionary leader with a legacy of founding and scaling global technology enterprises, actively raising funds for education and addressing systemic challenges in the nonprofit sector.

Website

Pitch Deck

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TSAW DRONES

Technical Space and Aero Works Pvt.t. Ltd.

TRL: 09

About

TSAW Drones delivers advanced UAV systems customized for defense and space missions. Combining robust hardware design with specialized software, TSAW's drones address niche operational requirements, from highaltitude reconnaissance to orbital deployment support. By bridging technology gaps, the company empowers security forces and researchers to execute targeted aerial solutions with precision.

The Problem

Specialized defense and space missions often require UAVs capable of operating in extreme conditions or performing highly specific tasks. Many existing drones lack the sophistication or customization options needed to support advanced military operations and research. This shortfall hinders mission success, slows innovation, and compromises strategic security initiatives.

SECTOR: **INDUSTRY-SPECIFIC DRONES**

Solution

TSAW Drones designs custom UAV platforms featuring rugged materials, cutting-edge propulsion, and sensor integrations for defense and space applications. From extended flight endurance to high-resolution imaging, each drone meets mission-specific needs. By tailoring systems to specialized demands, TSAW ensures precise data collection, efficient deployment, and heightened operational effectiveness.

Leadership

RIMANSHU PANDEY

FOUNDER

Rimanshu Pandey, Founder and CTO of TSAW Drones, leads innovations in drone logistics with technologies like DCIS and HyperPilot, enabling automated, global delivery networks. A graduate of Motilal Nehru National Institute of Technology, he is transforming logistics with sustainable and impactful solutions, earning recognition for advancing healthcare and remote delivery systems.

KISHAN TIWARI

FOUNDER

Kishan Tiwari, Founder and CEO of TSAW Drones, is an innovator in the Advanced Air Mobility ecosystem, developing cutting-edge drone technology for safe, efficient cargo logistics and integrating aerial transportation as the fifth mode of mobility

Website

Pitch Deck

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TYDA

Tyda Technologies Pvt. Ltd.

TRL: 06-07

About

ThermoChill Bot is a revolutionary smart water purification and temperature management system that replaces traditional refrigerant-based water coolers with an eco-friendly, modular robotic solution. Our technology combines solid-state cooling, advanced water purification, and intelligent automation to deliver a next-generation hydration system. We are pioneering the transition from conventional cooling appliances to sustainable, health-conscious, smart home hydration solutions. Our mission is to redefine water cooling for India's premium, eco-aware consumers and businesses.

SECTOR: **SMART WATER PURIFIER**

The Problem

Traditional water coolers face significant challenges including, Regulatory Risk such as Global phase-out of refrigerants (EU F-Gas regulations, India's Kigali Amendment) threatens the viability of current water cooler designs. Environmental Impacts such as refrigerants (R-134a, R-290, R-404a) have high Global Warming Potential (1430-3922), contributing to climate change. High Operating Costs such as traditional coolers consume 200 W - 600 W continuously, leading to high electricity bills (₹900+/month). Limited Functionality such as Current water coolers offer only basic temperature control and no water purification or smart features

Solution

ThermoChill Bot integrates Zero-Refrigerant solid-state cooling (zero GWP, zero emissions), a 6-Stage Purification System (RO + UV + TDS control with mineral retention), 4 Temperature Modes (Ambient · Cold 6–15°C · Lukewarm 35–55°C · Hot 75–95°C), IoT-Ready OLED Interface with real-time diagnostics and OTA firmware upgrades, and an all-stainless-steel (SS-304) BPA-free water path. Peak power draw 760 W versus continuous 200–600 W means a 28% annual saving. Patent filed: Application No. 202411017126.

Leadership

RIMANSHU

TECH & R&D HEAD

PhD (Materials Science) | M.Sc. Physics. 15+ years across IoT, electronics product design and hardware innovation. Former Asst. Professor, University of Delhi. Projects delivered for ISB Hyderabad, DRIIV, Indian Army & Navy. 4 patents (2 filed, 2 in pipeline).

DR. A. NIKHIL JHA

PRODUCT ARCHITECTURE & SALES

PhD, IIT Delhi | M.Tech IIT Delhi. 19+ years spanning robotics, automation, embedded systems and IoT. 20+ research publications, 3 patents, 2 startup exits. Bridges deep-tech research with scalable commercialisation and strategic innovation.

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V SAFE
SIMPLE • SMART • SECURE

Thumbikkai

Thumbikkai Business Solutions Pvt. Ltd.

TRL: 07

About

V SAFE is an IoT-enabled security ecosystem featuring a smart locker and smart door lock. Powered by sensor fusion and intelligent authentication, it identifies authorized users, detects tampering, and sends real-time alerts. Designed for homes and businesses, V SAFE delivers reliable, seamless, and nextgeneration protection with complete peace of mind.

The Problem

Homes and small businesses increasingly rely on conventional lockers and door locks that lack intelligence, real-time monitoring, and proactive alerts. These systems cannot reliably identify authorized users, detect tampering early, or notify owners instantly during security breaches. As theft, unauthorized access, and delayed response continue to rise, there is a critical need for smart, connected security solutions that provide stronger protection, visibility, and peace of mind.

SECTOR: **HOME AUTOMATION & SECURITY TECH**

Solution

V SAFE addresses modern security challenges through an integrated smart locker and smart door lock powered by IoT and sensor fusion technology. The system intelligently authenticates users, continuously monitors access, and detects tampering or intrusion attempts in real time. Instant alerts via mobile application enable quick action, while robust hardware and cloud connectivity ensure reliable, scalable, and user-friendly protection for homes and businesses.

Leadership

VINKESH VADIVEL
FOUNDER, CEO

Viknesh Vadivel is the Founder and CEO of Thumbikkai Business Solutions, with 17 years of experience in electronics manufacturing, semiconductor technology, and end-toend IoT product development.

SATHEESH R. S.
CTO

PRIYA PARATHASARTHY
MENTOR AND INVESTMENT BANKER

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Xenobot

Xenobot Enterprises Pvt. Ltd.

TRL: 06

About

Xenobot Enterprises Pvt Ltd designs and develops fully automated robotic food and beverage kiosks for high-footfall commercial environments. The startup focuses on inhouse robotics, IoT-enabled systems and shelf-stable ingredients to enable consistent, hygienic and high-throughput food service. Xenobot's platforms deliver scalable operations, low capex and reliable performance across QSRs, airports, campuses, and corporate spaces.

The Problem

Xenobot Enterprises Pvt Ltd designs and develops fully automated robotic food and beverage kiosks for high-footfall commercial environments. The startup focuses on in-house robotics, IoT-enabled systems and shelf-stable ingredients to enable consistent, hygienic and high-throughput food service. Xenobot's platforms deliver scalable operations, low capex and reliable performance across QSRs, airports, campuses, and corporate spaces.

SECTOR: **ROBOTICS**

Solution

Xenobot delivers fully automated robotic kiosks that prepare beverages using in-house robotics, IoT control and shelf-stable ingredients. The system minimizes labor, ensures consistent quality and enables high-throughput operation at low cost. Unlike manual outlets or expensive robots, Xenobot offers scalable automation with superior unit economics and reliable performance in high-footfall locations.

Leadership

K ESWAR DORA

FOUNDER

K Eswar Dora is an electronics and robotics innovator and founder of Xenobot, with deep expertise in low-cost hardware, automation and scalable food robotics tailored for Indian and global markets.

Website

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XTERRA

Xterra Robotics Private Limited

TRL: 07

About

xTerra Robotics specializes in autonomous legged robots for inspection, security, surveillance, and defense. Its flagship Svan M2 quadruped and related actuators combine state-of-the-art mobility with advanced autonomy software. By collaborating with research institutions and industries, xTerra aims to expand robotic functionality in complex terrains while remaining costeffective and versatile.

The Problem

India's robotics and AI ecosystem lacks affordable, high-quality platforms for research and industrial applications. Existing options are either prohibitively expensive or fail to address local requirements for mobility, adaptability, and autonomy. As organizations seek to modernize inspection and security, a gap remains for versatile, cost-efficient legged robots with robust capabilities.

SECTOR: **AUTONOMOUS LEGGED ROBOTS**

Solution

xTerra's quadruped robots and supporting hardware merge high-torque actuators, modular designs, and comprehensive autonomy software. The Svan M2 serves as a flexible research platform, while forthcoming variants target industry-specific tasks. Through collaborative R&D, scalable manufacturing, and multi-environment adaptability, xTerra delivers powerful robotic solutions tailored to India's evolving technological landscape.

Leadership

ADITYA RAJAWAT
FOUNDER

Specializes in the development of advanced legged robotics solutions for industries and defense. An alumnus of IIT Kanpur with a master's in Mechanical Engineering (Robotics and Control). Bridging simulations and real-world applications, his expertise includes optimization based planning, control algorithms, and cutting - edge robotics innovation.

SHAKTI GUPTA
FOUNDER

Website

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