विज्ञान और प्रौद्योगिकी विभाग
Department of
SCIENCE & TECHNOLOGY

NM-ICPS

IHFC

iitdelhi

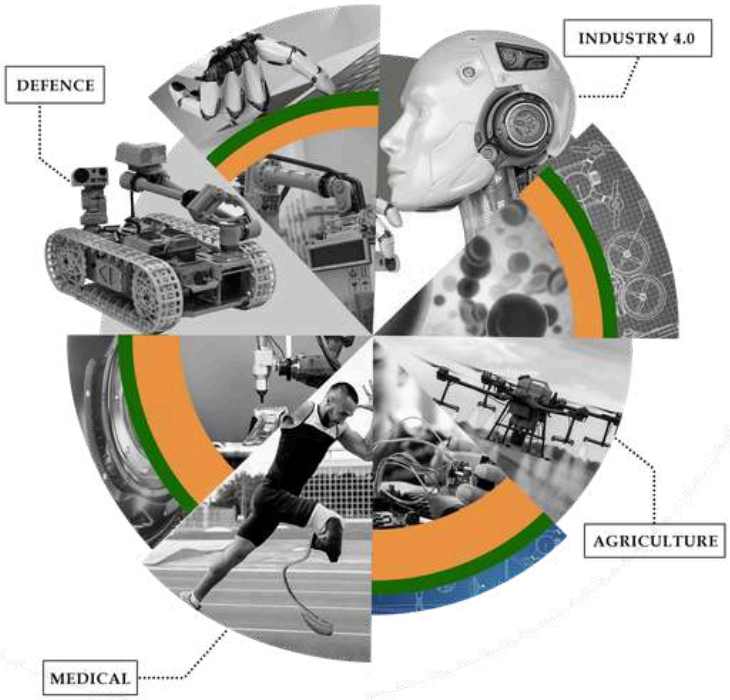
IHFC STARTUP COMPENDIUM

Under NM-ICPS of DST
(Govt. of India)

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

IHFC | Technology Innovation Hub of IIT Delhi

OUR START UP ECOSYSTEM

80L Robotics	Alpheonix	Arka Aerospace	Articulus	Astrek Innovation
Aviate Academy	Ayudyog	Botlab Dynamics	Cyran AI Solutions	Diagnovate
DTE 4 Calamity & Humanity Pvt. Ltd.	Enrod	Exobot	Femacare	Gatisheel
Gravitaz	Gro Robotics	HapiHygi Innovations Pvt. Ltd.	i-4 Marine Technologies	IVF Precisions
Jet Aerospaces	Kaidoko	Kelvin 6K	Kineshia	Le Organica Bwise
LightRay	Mountford	Meiyur Technologies	Mirasim	Mensch Robotics

IHFC Technology Innovation Hub of IIT Delhi

Mechinex Automation Pvt. Ltd.	Nawe robotics	Neuro Drishti	Novae Avenue	Newrro Tech LLP.
Neurasim Pvt Ltd	Pixuate	Rancho Labs	Seianmai Tech	Simhatel
Systemantics India	The Innovation Story	Thumbikkai	Trouve	TSAW Drones
ViTachyon Robotics	Xenobot Enterprices Pvt. Ltd.	xTerra Robotics		

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8OL / ATOL AERO

8OL ROBOTICS PRIVATE LIMITED

TRL Level: 6

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.

SECTOR -INDUSTRY-SPECIFIC DRONES

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.

The 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

Harsh Bhardwaj is the co-founder 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.

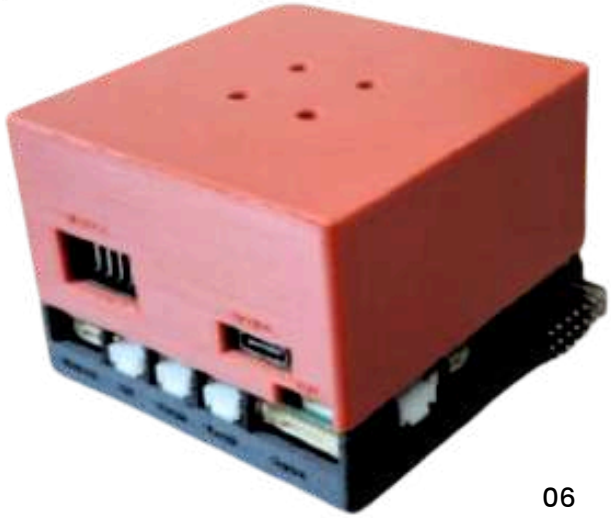
Sayan Roy

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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Year of Onboarding at IHFC - 2020

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ARKA AEROSPACE

ARKA AEROSPACE PRIVATE LIMITED

TRL Level: 9

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.

SECTOR -UAVS

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.

The 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

Website

Pitch Deck

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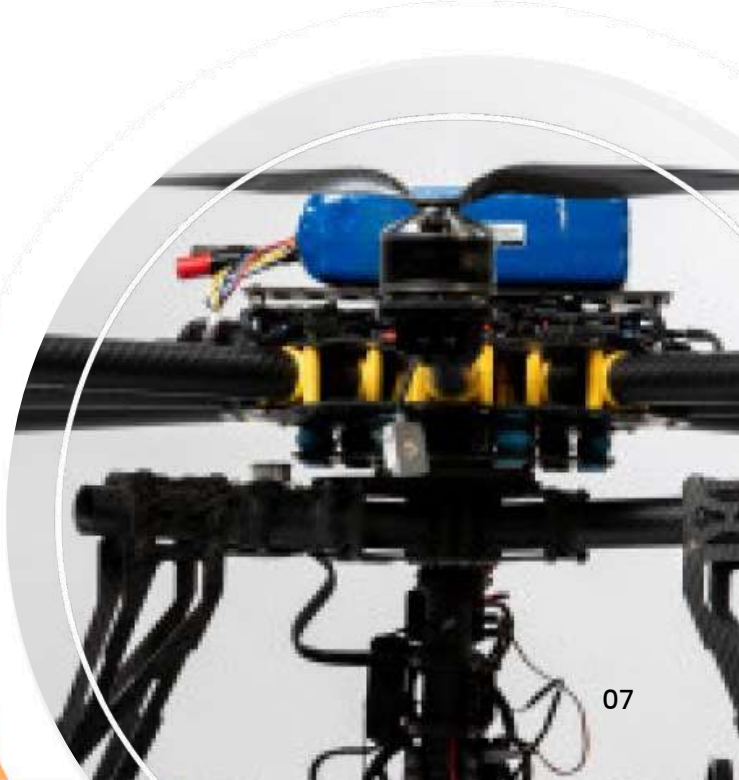
Year of Incubation at IHFC - 2021



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ARTICULUS SURGICAL

ARTICULUS SURGICAL PRIVATE LIMITED

TRL Level: 5

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 post-operative complications, greatly benefiting healthcare providers globally.

SECTOR -MEDTECH

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.

The 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 an IIT Kharagpur alumnus, is revolutionizing surgical outcomes with on-demand robotics and sustainable healthcare solutions.

Geeta Rath
Founder

Website

Pitch Deck

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Year of Onboarding at IHFC - 2021

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ALPHOENIX

ALPHOENIX DESIGN PRIVATE LIMITED

TRL Level : 8

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 precision-engineered 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 -UAVs

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.

The 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 and HR activity

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

Pitch Deck

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Year of Onboarding at IHFC - 2023

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AYUDYOG

AYUDYOG PRIVATE LIMITED

TRL Level: 6

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.

SECTOR -AI QUALITY CONTROL

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.

The 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, leverages AI- powered spectroscopy and natural product studies to drive sustainable innovations in quality control across 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

Pitch Deck

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Year of Onboarding at IHFC - 2021

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BOTLABS

BOTLAB DYNAMICS PRIVATE LIMITED

TRL Level: 9

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.

SECTOR -SWARM TECHNOLOGY

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.

The 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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Year of Onboarding at IHFC - 2021

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BWISE/REDMOUNTAIN SOIL

REDMOUNTAIN SOIL PRIVATE LIMITED

TRL Level: 5

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

The 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
Srujan Kotum, founder of Leorganica, innovates 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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Year of Onboarding at IHFC - 2024

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CYRAN AI SOLUTION

CYRAN AI SOLUTIONS PRIVATE LIMITED

TRL Level: 4

About

Cyran AI Solutions focuses on AI-driven cyber-physical 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.

SECTOR -AI & CYBER-PHYSICAL SECURITY

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.

The 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

Pitch Deck

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Year of Onboarding at IHFC - 2018

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DIAGNOVATE

DIAGNOVATE PRIVATE LIMITED

TRL Level: 5

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

The 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 Agrawal
Founder

Achyut Agrawal is 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

S/O PURUSOTAM DAS, TARNI, NAUZARGHAT, MEENA BAZAR P, Gulzarbagh, Sampatchak, Patna, Bihar-800007

Year of Onboarding at IHFC - 2024

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DTECH

DTE 4 CALAMITY AND HUMANITY PRIVATE LIMITED

TRL Level: 5

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.

SECTOR -ROBOTICS & DISASTER TECH

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.

The 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).

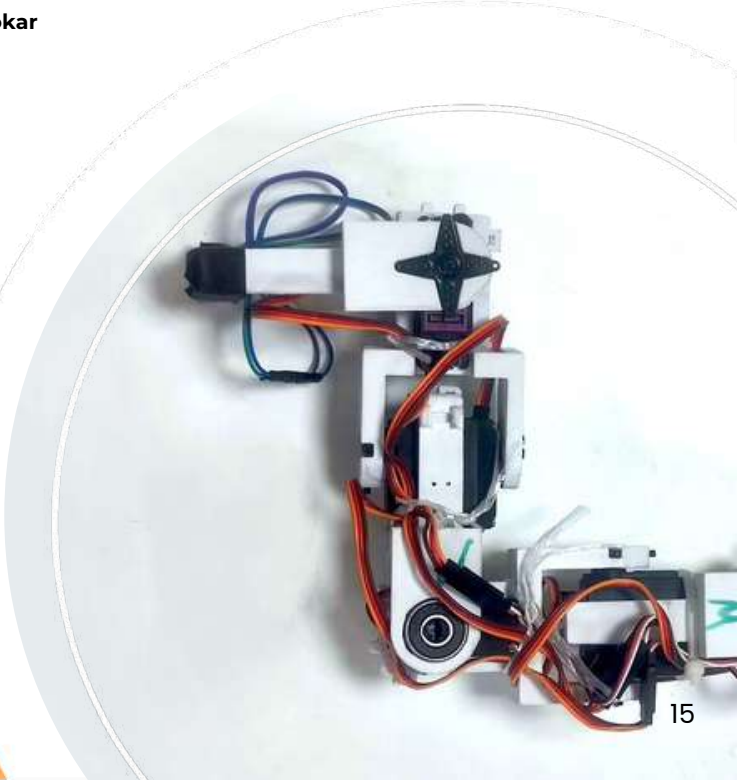
Surajit Karmokar
Founder

Website

Pitch Deck

101 Pratap Nagar, East Delhi, East Delhi, India, 110091

Year of Onboarding at IHFC - 2024



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ENORD

Creating Ease

TRL Level: 9

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.

SECTOR -INSPECTION DRONES

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.

The 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 AI-on-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 GPS-denied environments while driving innovation, operational excellence, and strategic partnerships.

Website

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Year of Onboarding at IHFC - 2021

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EXOBOT

EXOBOT DYNAMICS PRIVATE LIMITED

TRL Level: 6

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

The 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

Hitesh Jangra
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.

Website

Pitch Deck

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Year of Onboarding at IHFC - 2022

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FEMACARE

FEMACARE PRIVATE LIMITED

TRL Level: 7

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 cost-effectiveness, FEMACARE aims to transform reproductive health outcomes in underserved global communities.

SECTOR -HEALTHCARE

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.

The Solution

FEMACARE's non-hormonal IUD employs electrospun technology that delivers active pharmaceutical agents for simultaneous contraception and HIV/STI protection. This female-controlled, 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, co-founder 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

Pitch Deck

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Year of Onboarding at IHFC - 2022

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GATISHEEL

GATISHEEL AGRITECH PRIVATE LIMITED

TRL Level: 9

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.

SECTOR – SUSTAINABILITY

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.

The 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

Cd-b4-05-503, Ireo Corridors, Sector 67 A, Bhondsi, Gurgaon, Haryana

Year of Onboarding at IHFC - 2023

DIPP NO. DIPP174477 Delhi
chawla.onkar@gmail.com
www.gravitazautomation.com
+91-9634771513

GRAVITAZ

Gravitaz Automation Private Limited

TRL Level : 6

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

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.

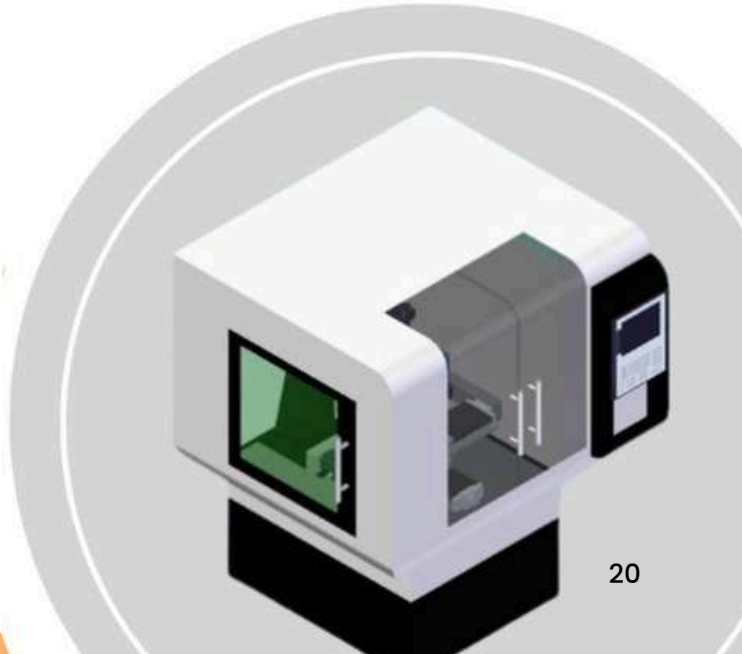
Dr. Tarun Verma
Co Founder

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

Website

Pitch Deck

Ground Floor, 46, Paschim Vihar Extension, New Delhi - 110063



Year of Onboarding at IHFC - 2024

DIPP NO.

Bangalore

sijo@grorobotics.com
www.rondstech.com
+91 - 9946649000

GROROBOTICS

GROROBOTICS INNOVATIONS PRIVATE LIMITED

TRL Level : 7

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

The 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 James
COO

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

Website

Pitch Deck

C10, #179 GVR Ikon, 10th MainRoad,Indiranagar, Bangalore-560038, Karnataka, India

Year of Onboarding at IHFC - 2024

DIPP NO. **DIPP176159** Gandhinagar

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HAPIHYGI

HAPIHYGI INNOVATIONS PRIVATE LIMITED

TRL Level : 6

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

The 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 Agrawal
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

12, Cradle, EDII Campus, via Airport Indira Bridge, Bhat, Gandhinagar, Gujarat - 382428

Year of Onboarding at IHFC - 2024

DIPP NO. **DIPP148317** Pune

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I-4 MARINE TECHNOLOGIES

I-4 Marine Technologies Private Limited

TRL Level : 6

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.

SECTOR -MARINE ROBOTICS

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.

The Solution

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

Pitch Deck

Plot No. 1, Satara Road, Electronic Co-Op Estate Parvati, Pune City, Pune, Maharashtra

Year of Onboarding at IHFC - 2023

DIPP NO. DIPP111166

Bengaluru

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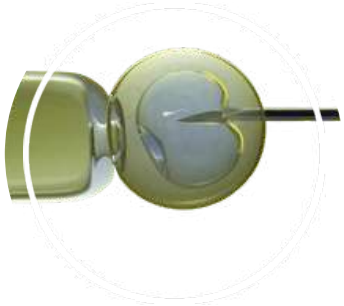
www.www.ivfprecisions.com
+91 - 7624829241

IVF Precisions

IVF PRECISIONS

IVF PRECISIONS PRIVATE LIMITED

TRL Level: 7



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.

SECTOR -MEDICAL

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.

The 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

Dr. B. Ashok Reddy, co-founder of IVF Precisions in Bengaluru, specializes in biomedical preclinical technologies. With a Ph.D. in Chromatin Remodeling from Erasmus University and postdoctoral experience in Montreal, he has expertise in molecular biology and cancer biology. His career spans research roles at Liveon Biolabs and Baylor Scott & White Health, with numerous publications and awards like the FRQS and CSIR Fellowships.

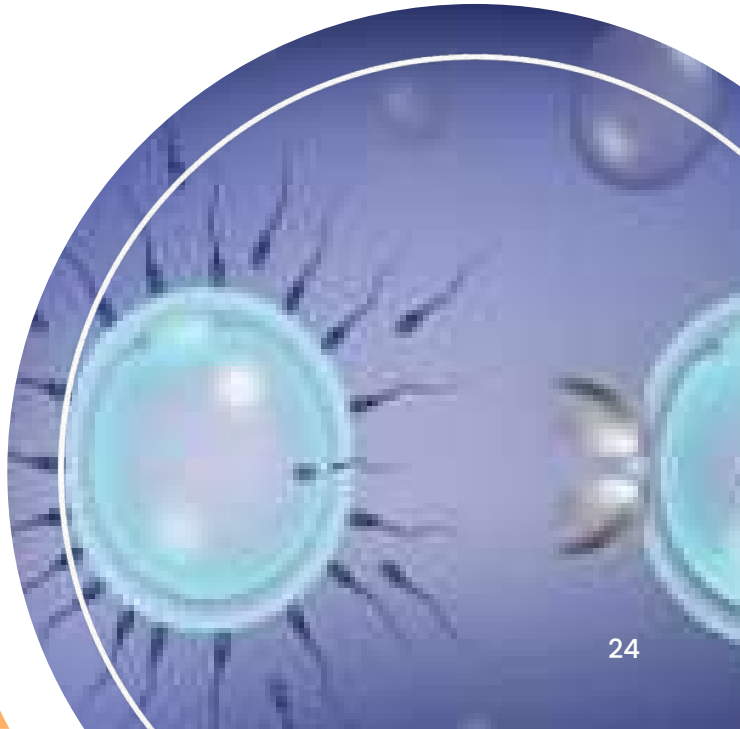
Sravan Payeli
Founder

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

No. 22, 2nd Floor (front Side), Sirinagar Kattigenahalli, Iaf Post, Yelahanka, Bangalore, Karnataka, India, 560063



Year of Onboarding at IHFC - 2024

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JET AEROSPACE DRONE

JET AEROSPACE DRONE MANUFACTURING HUB PRIVATE LTD

TRL Level: 5

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 labor-intensive, 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-to-reach areas efficiently.There is a need for an innovative solution

SECTOR - INFRA, DISASTER, DEFENCE

The 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

Mr. 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

Mrs. 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

Website

Pitch Deck

JET AEROSPACE DRONE MANUFACTURING HUB PRIVATE LIMITED
NH 47 SERVICE RD OPP ITI, NEAR KTC KANJIKODE, Kanjikode, Palakkad, Palakkad- 678621, Kerala

Year of Onboarding at IHFC - 2023

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KAIDOKO

KAIDOKO AUTOMATION SOLUTIONS PRIVATE LIMITED

TRL Level: 9

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.

SECTOR -EDUCATIONAL APPS

The Problem

Traditional education often employs a one-size-fits-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.

The 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 technology innovator with expertise in AI and machine learning, focused on developing intelligent solutions and personalized automation systems.

Website

WE-68, Upper Ground Floor Mohan Garden, Uttam Nagar, New Delhi : 110059, India

Year of Onboarding at IHFC - 2018

DIPP NO.

Chennai

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+91 - 7358712451

KELVIN 6K

KELVIN6K TECHNOLOGIES PRIVATE LIMITED

TRL Level: 9

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.

SECTOR -CONSTRUCTION ROBOTICS

The Problem

Housing shortages persist in many regions due to traditional building methods that are slow, labor-intensive, 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.

The 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.

Deepiga Sugumar
Founder

Website

Pitch Deck

S2, 2nd Floor, Harini Flats, Sannathy, Street Extn., Ganapathipuram Radha Nagar, Chennai, Tamil Nadu, 600044, India

Year of Onboarding at IHFC - 2023

DIPP NO. **DIPP93268** Pune
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LIGHTRAY TECHNOLOGIES

LIGHTRAY (RETRO PANDA LABS)

TRL Level : 4

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.

SECTOR - RARTIFICIAL INTELLIGENCE, AUTOMOBILE

The Problem

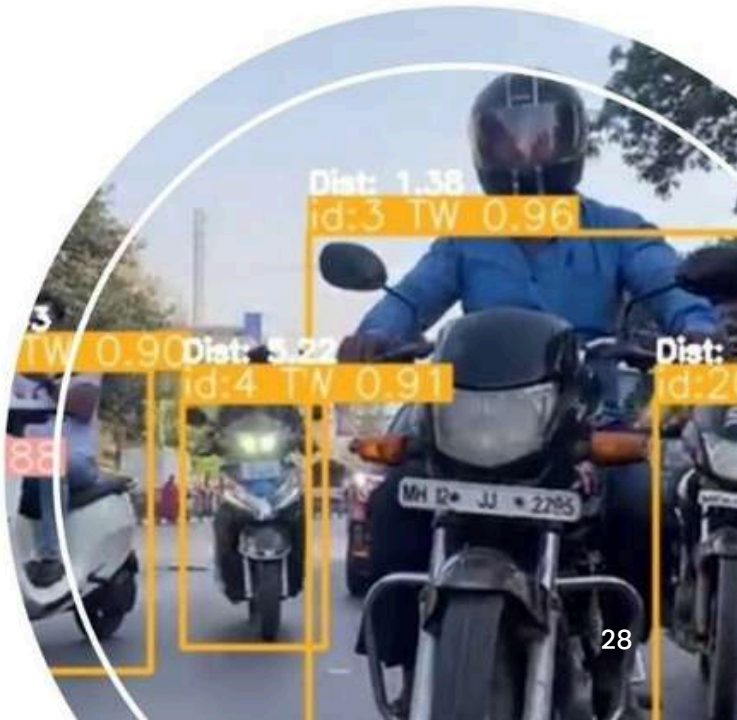
Motorcycle riders face a high risk of accidents due to limited visibility, blind spots, and lack of safety features. Unlike cars, most two-wheelers don't have systems that warn riders about nearby vehicles or road dangers. This makes it hard to detect collisions early, especially in crowded or fast-moving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

The 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



Website

Building No. 1/6, M.I.G. Nanakheda Extension, Yojana No. 2, Ujjain, Indore, Madhya Pradesh, 456010, India

Year of Onboarding at IHFC - 2021

DIPP NO. **DIPP38527** Chennai

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MEIYUR TECHNOLOGIES

A Division of MESDL

TRL Level: 4

About

Meiyur Technologies, Chennai, is a Startup company focused on Drones, Autonomous Systems and Robotics, duly registered in the Startup India Initiative. The company focuses on contemporary 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, technically challenging Projects.

SECTOR - **AUTONOMOUS SYSTEMS**

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 requires the presence of an agricultural specialist intervention, at various stages of the life cycle of Disease Identification. In contrast, we have used machine Learning and deep learning Technologies and adopted a fully automated process with minimal human intervention.

The Solution

Adopting Advanced Computer vision technologies and using high-precision digital cameras for data collection and deploying deep learning techniques for precise disease identification, we have achieved a significantly higher benchmarking for Disease identification accuracy at 3.59% from the traditional 8 % global average.

Leadership

Prof.M. K. Padmanabhan
Founder
The project was executed by Prof.M. K. Padmanabhan, who hasa PhD in Aerospace Engineering from IIT Bombay and specialises in the Application of Autonomous Systems in various domains, ably supported by a team of IT/ITES professionals.

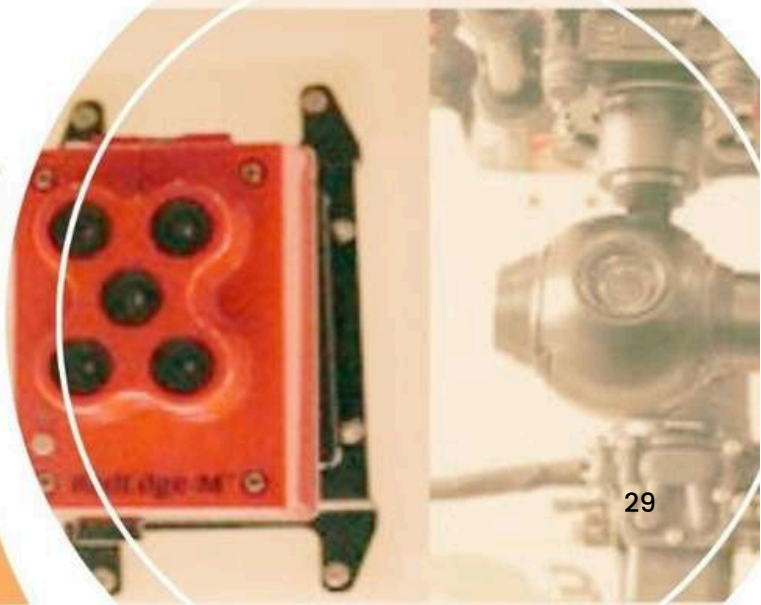
Website

Pitch Deck

Building No. 1/6, M.I.G.Nanakheda Extension, Yojana No-2, Ujjain, Indore, Madhya Pradesh, 456010, India

Year of Onboarding at IHFC - 2022

Our Drone



DIPP NO. **DIPP220523** Kollam

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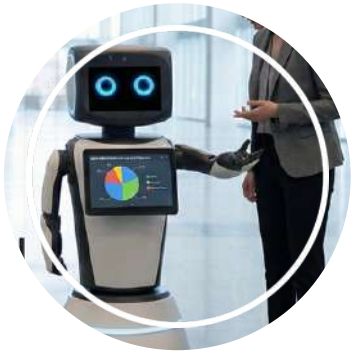
MENSCH ROBOTICS

MENSCH ROBOTICS PRIAVTE LIMITED

TRL Level : 6



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 - EDUCATION

The 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 human-centered innovation, I work to build socially aware robots that advance humanity and society.

Website

Pitch Deck

C/o Thomas K G,kunnuvila, Puthen Veedu, Vilavoorkonam, Kollam, Kollam, Kerala, India, 691578

Year of Onboarding at IHFC - 2026

DIPP NO. **DIPP116560** Coimbatore

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MECHINEX

MECHINEX AUTOMATION PRIVATE LIMITED

TRL Level : 7

About

Mechinex develops advanced CNC machining systems and intelligent manufacturing software focused on MSMEs, and precision manufacturing industries. The company combines compact CNC hardware, AI-assisted CAM software, and manufacturing automation tools to make precision machining more accessible and efficient. With deployed systems, growing recurring service revenue, and ongoing development of the MillSoft platform, Mechinex aims to build a software-defined manufacturing ecosystem for the next generation of digital machining.

SECTOR - ADVANCED MANUFACTURING / INDUSTRY 4.0

The Problem

TSmall and medium manufacturing industries face major barriers in adopting precision CNC machining due to high machine costs, complex CAM workflows, dependency on skilled programmers, and lack of intelligent manufacturing tools. Existing industrial solutions are expensive, fragmented, and optimized primarily for large-scale enterprises, leaving MSMEs and prototyping ecosystems underserved.

The Solution

AMechinex addresses these challenges through an integrated manufacturing platform combining advanced CNC machining systems, intelligent CAM software, and software-defined manufacturing technologies. The company's ecosystem includes VMC industrial systems, Automated Manufacturing Platform, and the CAM Assist platform for toolpath generation and machining optimization. By simplifying machining workflows and improving accessibility, Mechinex enables MSMEs and R&D centers to adopt advanced manufacturing technologies at lower cost and complexity.

Leadership

GOKUL KARAT
Founder

Gokul Karat leads business strategy, sales, partnerships, and fundraising at Mechinex. He has been actively involved in building the company's manufacturing ecosystem, customer acquisition, and product commercialization. His focus is on scaling Mechinex into a software-driven manufacturing technology company serving MSMEs and precision manufacturing industries.

MUGILAN MANI
Co- Founder
Mugilan Mani leads R&D and software development at Mechinex, focusing on CAM algorithms, machining optimization, and the MillSoft platform.

SATISH KUMAR
Co- Founder

Website

Pitch Deck

C/o Thomas K G,kunnuvila, Puthen Veedu, Vilavoorkonam, Kollam, Kollam, Kerala, India, 691578

Year of Onboarding at IHFC - 2026

DIPP NO. **DIPP110320** Delhi

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+91 - 8240339298

MOUNTFORD HEALTH

Mountford Health Private Limited

TRL Level: 4

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.

SECTOR - HEALTHCARE

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.

The Solution

Mountford Health's flagship innovation is an AI-enabled Video Laryngoscope integrated with real-time 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

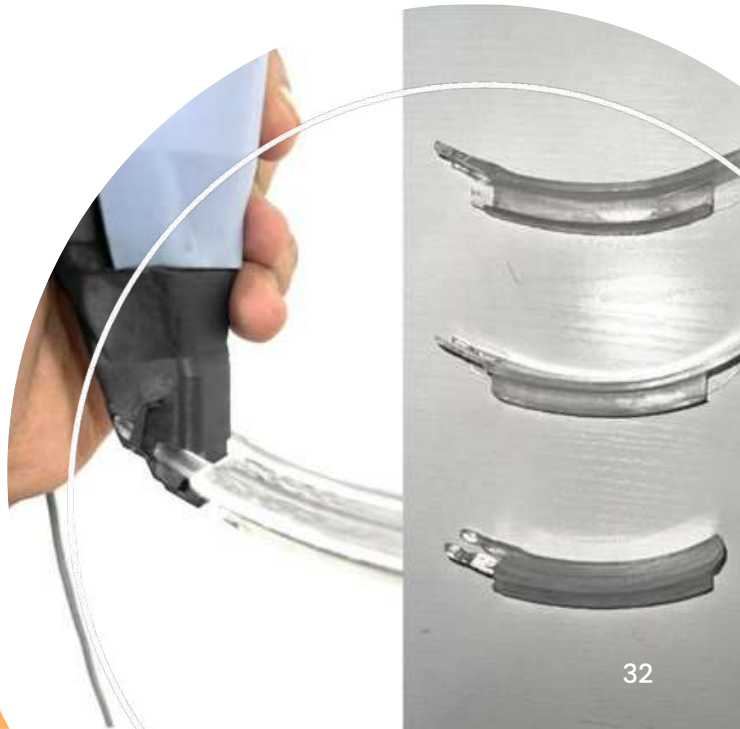
Dr. Abdul Khalique Ansari, founded Mountford Health Pvt. Ltd. after witnessing failed intubations during COVID-19 due to lack of proper equipment. Leaving clinical practice, he transitioned into MedTech innovation, served as Medical Manager at KIIT-TBI, and now leads development of AI-guided airway management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

Website

Pitch Deck

Mountford Health Pvt. Ltd., Medical Cobotics Center, 4th floor LHC, INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY, Medical Cobotics Centre, Okhla, New Delhi, Delhi 110020

Year of Onboarding at IHFC - 2024



DIPP NO. DIPP77494

Kollam

amarnath@nawerobotics.com
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NAWE ROBOTICS

NAWE ROBOTICS PRIVATE LIMITED

TRL Level: 5

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.

SECTOR -REHABILITATION ROBOTICS

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.

The 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.

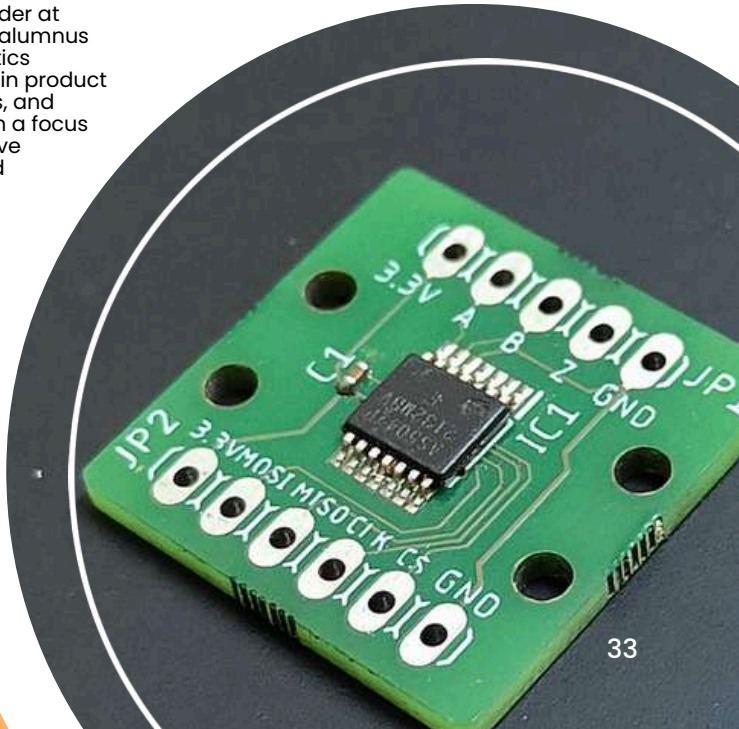
Leadership

Amarnath Harikumar
Founder

Amarnath H, Co-Founder of Nawe Robotics, 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

Pitch Deck

Kizhakkedathu Veedu, Cherumoodu, Vellimon P.O, Kollum, Kerala : 691511, India

Year of Onboarding at IHFC - 2020

DIPP NO. **DIPP202952** Kanpur

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NEURODRISHTI

NEURODRISHTI PRIVATE LIMITED

TRL Level : 6

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

SECTOR - MEDICAL

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.

The 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

18, Indhana, Bhaisau, Shivrajpur, Kanpur Dehat - 209205, Uttar Pradesh, India.

Year of Onboarding at IHFC - 2025

DIPP NO. **DIPP132410** Bengaluru

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NeuraSim
Reality in Neuroscience

NEURASIM

NEURASIM PRIVATE LIMITED

TRL Level : 8

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

The 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 Somvanshi
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

Pitch Deck

1665/A, 14th Main Road, Sector-7, HSR Layout, Bengaluru, Karnataka, Pincode: 560 102.

Year of Onboarding at IHFC - 2023

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NEWRRO TECH

NEWRRO TECH LLP

TRL Level : 8

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

The 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 real-world 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

Nitte University Campus, 6429, NITTE Meenakshi College Rd, BSF Campus, Yelahanka, Bengaluru, Govindapura, Karnataka 560064

Year of Onboarding at IHFC - 2025

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NOVAE AVENUE

PAPLI LABS PRIVATE LIMITED

TRL Level: 9

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.

SECTOR -AR DEVICES

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.

The 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.

Puneeta Gupta
Founder

Website

Pitch Deck

H.No. 34, Second Floor, Kailash Hills, New Delhi, Pin code: 110065, India

Year of Onboarding at IHFC - 2019

DIPP NO. **DIPP1995** Bangalore

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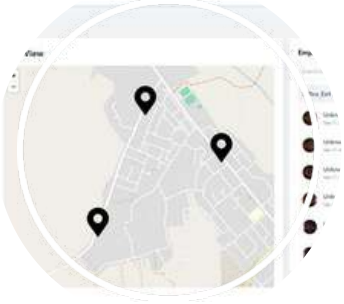
PIXUATE

COCOSLABS INNOVATIVE SOLUTIONS PRIVATE LIMITED

TRL Level: 9



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.

SECTOR -VIDEO ANALYTICS

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.

The 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.

Website

Pitch Deck

Prakash Narayan, Srigopal Subbaraman, Veena S, IIMA Ventures, Mumbai Angels, Securia, Sucseed Indovation Fund.

Year of Onboarding at IHFC - 2012

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RANCHO LABS

RANCHOVATION LABS PRIVATE LIMITED

TRL Level: 9

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.

The Solution

SECTOR -AR DEVICES

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 Agrawal
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.

Website

Devki Nandan Ji, 1-C-13, M. NAGAR, EXT, A-V, KOTA, Rajasthan, India - 324005

Year of Onboarding at IHFC - 2020

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Chennai

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SEIANMAI TECH.

SEIANMAI TECH

SEIANMAI TECHNOLOGIES PRIVATE LIMITED

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.

The Solution

SeiAnmai's telepresence robots combine live video streaming, autonomous navigation, and user-friendly 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.

linkedin.com/in/srikrishna-sowrirajan-736954153

TRL Level

7

Website

Pitch Deck

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Year of Onboarding at IHFC - 2022

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SIMHATEL

SIMHATEL TECHNOLOGIES PRIVATE LIMITED

TRL Level: 7

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

The 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, cost-effective 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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Year of Onboarding at IHFC - 2019

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SVANA ACOUSTICS

SVANA ACOUSTICS PRIVATE LIMITED

TRL Level : 4

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.

The 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

Vamsi Krishna 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

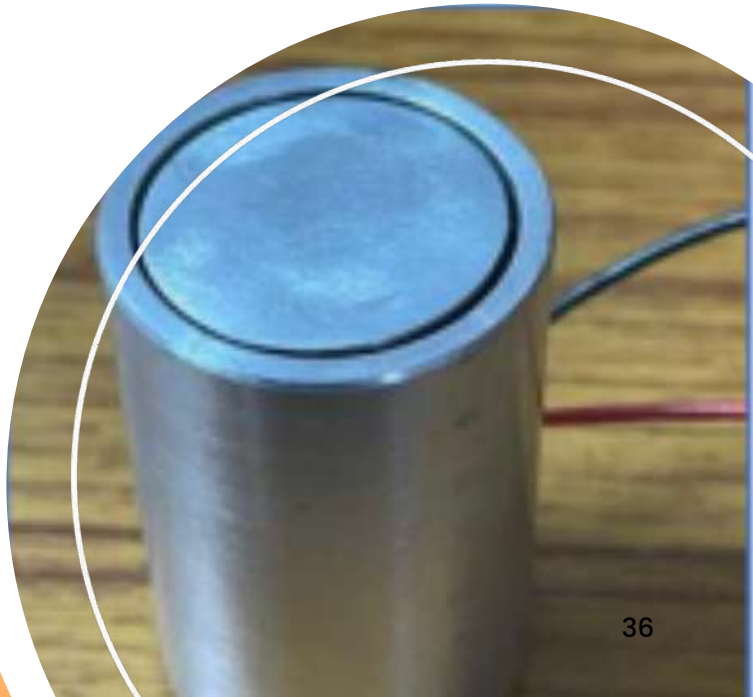
Sushma Santapuri is an Associate Professor in the department of Applied Mechanics at IIT Delhi. Prior to joining IIT Delhi in 2016, Dr. Santapuri has held research positions at UC Berkeley and Ohio State University. Her research expertise is in smart materials, intelligent device design, multiphysics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

Website

Pitch Deck

Block 2 Flat 803, My Home Krishe, Gachibowli, Cuc, Hyderabad, Serilingampally, Telangana, India, 500046

Year of Onboarding at IHFC - 2025



DIPP NO.

Bangalore

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+91 - 9845065071

SYSTEMANTICS

SYSTEMANTICS INDIA PRIVATE LIMITED

TRL Level: 9

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.

SECTOR -COLLABORATIVE 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.

The Solution

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

Ganapati Jagannath Raju
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 systems.

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

No.40, (Previously No.990), 36 F Cross, 23rd Main Jayanagar, IV 'T' Block, Bengaluru, Karnataka, 560041, India

Year of Onboarding at IHFC - 2022

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THE INNOVATION STORY

EDUNNOVATE TECHNOLOGIES PRIVATE LIMITED

TRL Level: 9

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.

SECTOR -EDUCATIONAL ROBOTICS

The Problem

Many educational systems struggle to offer up-to-date 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.

The 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.

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Website

Flat2002, 20th Floor A, Tower1 Sumer Trinity, New Prabhadevi Road, Prabhadevi, Mumbai, Maharashtra : 400025, India

Year of Onboarding at IHFC - 2020

DIPP NO. DIPP165439

Thanjavur

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V SAFE
SIMPLE • SMART • SECURE

Thumbikkai

Thumbikkai Business Solutions Pvt. Ltd.

TRL Level : 7

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 next-generation 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 TECHNOLOGY

The 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

Viknesh Vadivel M.Tech
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-to-end IoT product development.

Satheesh R S B.E
Chief Technology Officer (CTO)

Priya Parthasarathy
Mentor & Investment Banker

Website

Pitch Deck

THUMBIKKAI BUSINESS SOLUTIONS PRIVATE LIMITED
15/1, WEST NEW STREET,
Tirunageswaram, Kumbakonam,
Thanjavur- 612204, Tamil Nadu

Year of Onboarding at IHFC - March 2024

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Dadri

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TSAW DRONES

TECHNIT SPACE AND AERO WORKS PRIVATE LIMITED

TRL Level: 9

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 high-altitude reconnaissance to orbital deployment support. By bridging technology gaps, the company empowers security forces and researchers to execute targeted aerial solutions with precision.

SECTOR -INDUSTRY-SPECIFIC DRONES

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.

The 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

B-120, Ground Floor, Sector-88, Gautam Buddha Nagar, Uttar Pradesh, Dadri, Uttar Pradesh, India - 201305

Year of Onboarding at IHFC - 2019

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NA

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XENOBOT

XENOBOT ENTERPRISES PRIVATE LIMITED

TRL Level : 6

About

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.

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

The 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

Pitch Deck

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Year of Onboarding at IHFC - 2024

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XTERRA

XTERRA ROBOTICS PRIVATE LIMITED

TRL Level: 7

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 cost-effective and versatile.

SECTOR -AUTONOMOUS LEGGED ROBOTS

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.

The 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

Aditya Pratap Singh Rajawat, Co-Founder and CEO of xTerra Robotics, specializes in developing advanced legged robotics solutions for industry and defense. An alumnus of IIT Kanpur with a master's in Mechanical Engineering (Robotics and Control), he previously worked at Jaguar Land Rover as a Motion Control Engineer. Passionate about bridging simulations and real-world applications, Aditya's expertise includes optimization-based planning, control algorithms, and cutting-edge robotics innovation.

Shakti Gupta
Founder

Website

Pitch Deck

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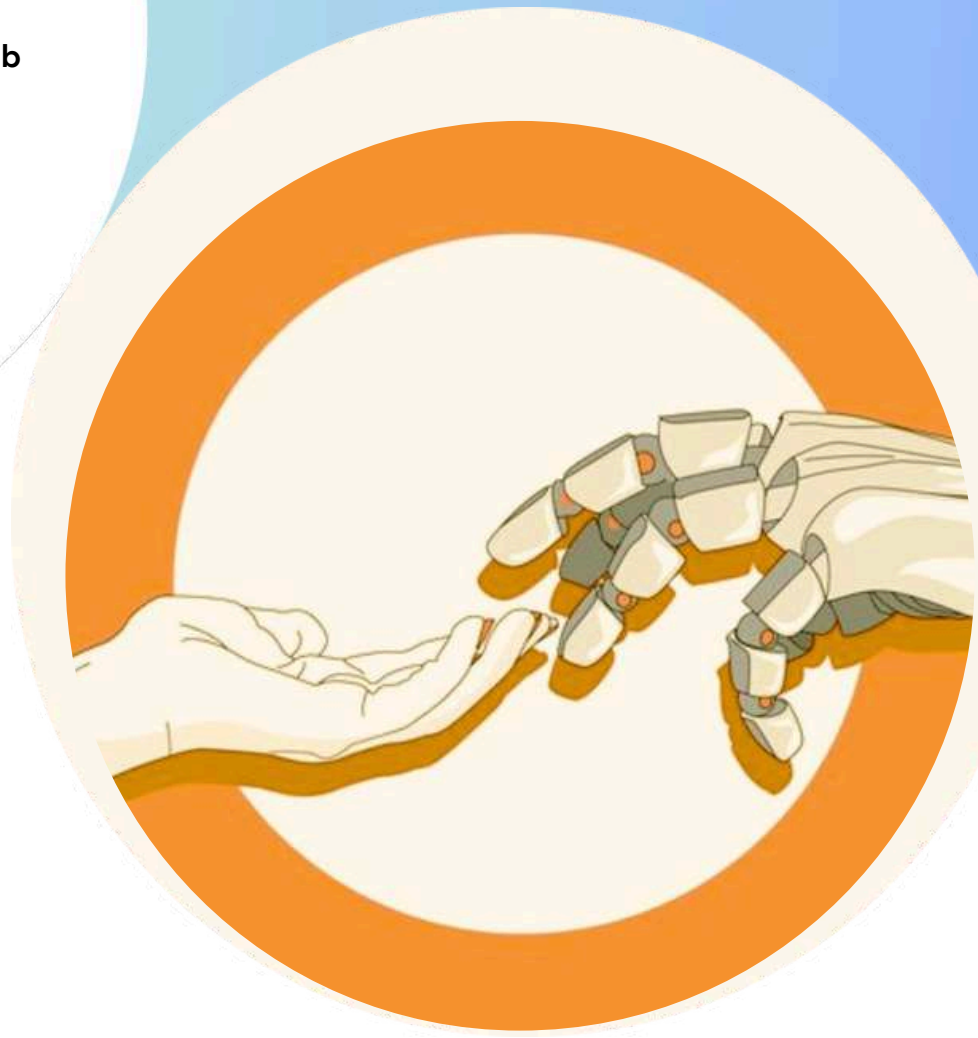
Year of Onboarding at IHFC - 2023

**WE INCUBATE, WE ACCELERATE, WE MENTOR,
WE CONNECT, FUTURE IS US!
SCAN TO CONNECT WITH US:**

IHFC.CO.IN

Technology
Innovation Hub
of IIT Delhi



I-Hub Foundation for Cobotics (IHFC)

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