Azadi Ka Amrit Mahotsav

#**Tech**Flies

A leap into
TECHADE
### TALES OF 75
TECH STARTUPS

75 TECH TALES OF STARTUPS

" Startups are the engines of exponential growth, manifesting the power of innovation. Several big companies today are Startups of yesterday. They were born with a spirit of enterprise and adventure, kept alive due to hard work and perseverance and today have become shining beacons of innovation. "

-Shri Narendra Modi
Hon'ble Prime Minister

i-Hub
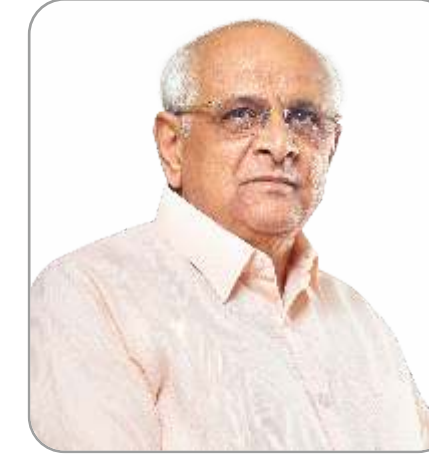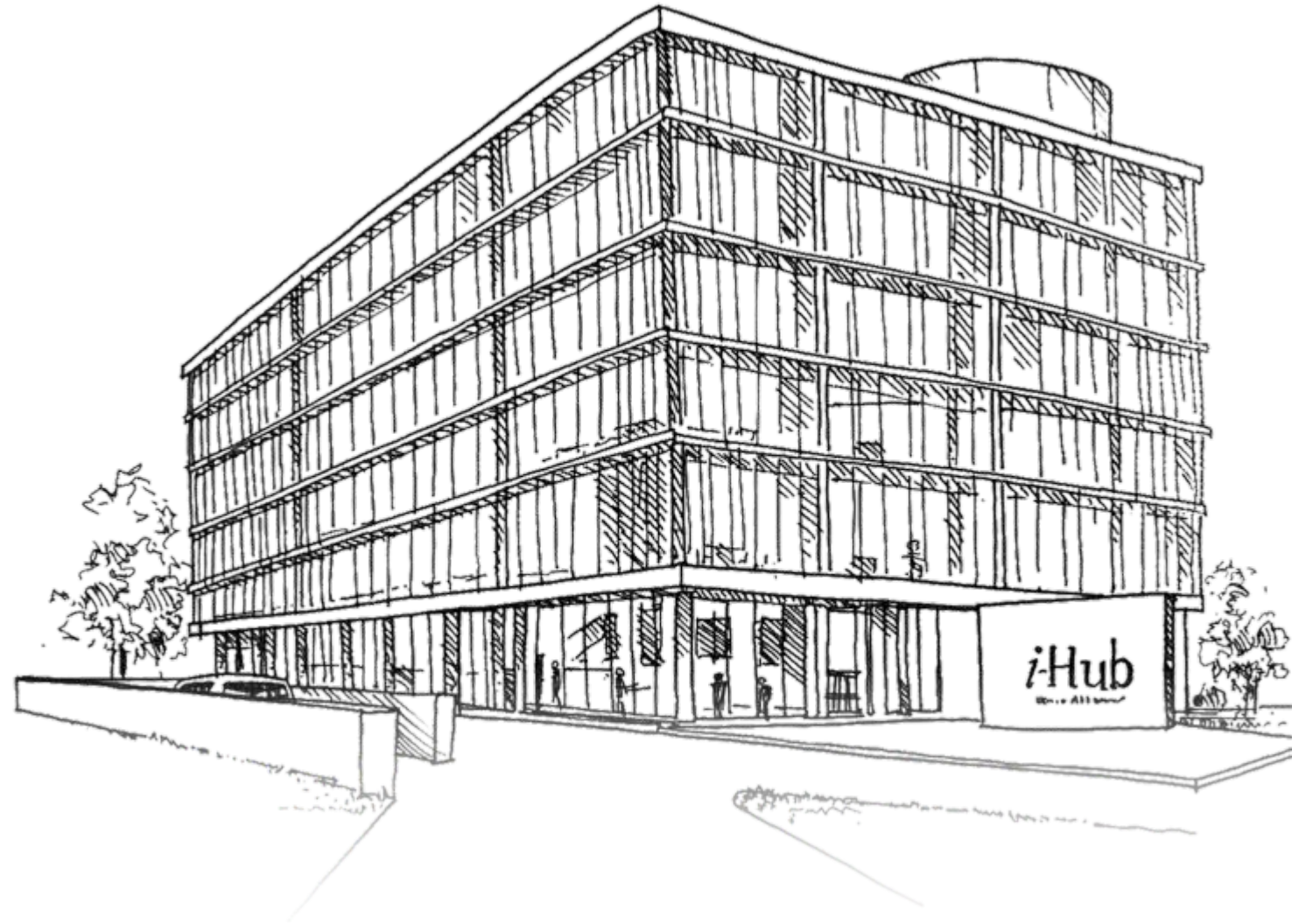
Shri Bhupendrabhai Patel
Hon'ble Chief Minister, Gujarat

Technological innovations have been shaping economies across the globe, defining the new world order. As India emerges as the fifth largest economy of the world, the shift in power has brought the focus on the amalgamation of technological advancements and innovations like before.

Technopreneurs are the Agent of Change - heralding a sustainable future and inclusive growth to make life better in every aspect. Gujarat has been providing the impetus to the Indian economy by turning innovations into business opportunities. Gujarat is assiduously following the vision of our Honourable Prime Minister Shree Narendrabhai Modi of a New India that rides high on the entrepreneurial streak of its citizens, contributing to 'Make in India' through 'Startup India'.

The laud-worthy feat wouldn't have been realized had it not been for the unrelenting attempts of the Education Department. Its focused and resolute endeavours in introducing policies on Student Startup and Innovation, synchronizing Gujarat's young talent, academia, industry experts and government assistance to form a growth-fuelling ambience for startup.

I am much pleased to learn that a Coffee Table Book is being created by the I-Hub with an aim to manifest the achievements of Gujarat's startups, which have turned technological innovations into successful business ventures, creating a positive impact on the lives of the people across all the strata of the society. I extend my heartiest best wishes to the editorial team and all the stakeholders for the success of the book and for a bright future ahead.

(Bhupendra Patel)

FLAGSHIP INITIATIVES OF
i-Hub

Mind to Market (M2M)
Open Innovation Challenge

Startup Khoj
Scouting Innovations &
Startups

Sketch to Shelf
Assisting Startups in
Product Development

Startup Manak
Testing & Certification Support

IPFC Intellectual
Property Facilitation Centre
IPR Management

Startup Square
Industry Startup Co-Creation

Startup Mart
Virtual Marketplace for
Startups

Shri Rushikesh Patel
Hon. Minister of Education, Government of Gujarat

Innovation plays a crucial role in shaping a more improved world.

As our Hon'ble Prime Minister Shri Narendrabhai Modi has rightly said 'innovation no longer remains a choice but has become an imperative.' Our beloved Prime Minister Shri Narendrabhai consistently underscores the importance of nurturing and bolstering the startup ecosystem to empower emerging entrepreneurs. Guided by the capable leadership of our Hon'ble Chief Minister Shri Bhupendrabhai Patel, Gujarat is at the forefront, paving the way for the support and facilitation of startup entrepreneurs.

Transformational solutions using technological advancement to eradicate disparity and promote inclusivity for sustainability are the defining goals of education today. In today's era, education goes beyond merely empowering students with knowledge and perspective. Advancing the vision of the Gujarat government, the Education Department in Gujarat has taken an additional stride in fostering young talent by introducing the 'Student Startup & Innovation Policy.' This initiative aims to create a comprehensive, statewide, university-based innovation ecosystem, dedicated to supporting and nurturing the ideas and innovations of the youth.

The policy has effectively steered Gujarat towards becoming one of the largest ecosystems in the country, fostering a startup culture that aligns with the vision of 'Atmanirbhar Bharat'.

For ages, Gujarat has been known for its enterprising population and its adventurous streak in business. Gujarat has emerged as a hub of excellence for startups, thanks to a harmonious mix of adventurous individuals with innovative mindsets, the desired skill set among the youth, and strong political support. This synergy not only encourages the launch of new business ventures but also provides incentives and assistance, enabling startups to effectively address challenges across various domains of life.

Here, it gives me immense pleasure to unveil this book that highlights the technological innovation of startups. Brought in by i-Hub - an agency that stokes entrepreneurial zeal among the youth and provides all kinds of support to their startup journey, also this book coincides with 'Azadi ka Amrit Mahotsav'. I am confident that it would also serve as an inspiration to the community of budding innovator-cum-entrepreneurs.

(Rushikesh Patel)

FLAGSHIP
INITIATIVES OF
i-Hub

Startup Goonj
Promoting Startups across
Platforms for Better Visibility

Startup Prashansa
Benchmarking Best Performers

Startup Bloom
Promoting Entrepreneurial
Mindset in School Students

Startup Srujan
Seed Grant Support to
EarlyStage Startups

Startup Saathi
Successful Entrepreneurs
Guiding Startups

Startup Samajh
Exposure Programme for Startups &
Ecosystem Stakeholders

Startup Window
Facilitating Market & External
Linkages for Startups

Shri Mukesh Kumar, IAS
Principal Secretary, Higher & Technical Education, Government of Gujarat

The higher purpose of education is to enable the mind to look for solutions in context with the ever-changing world to make life better. Gujarat is the front-runner when it comes to young and enthusiastic talent who follow their passion thriving throughout its conducive business environment.

The potential to turn any business idea into a successful venture is the core motive that the Government of Gujarat has introduced the Student Startup and Innovation Policy (SSIP) 2.0 in tandem with 'Startup India', a blueprint for Hon'ble Prime Minister Shri Narendra Modi's vision of 'Make in India' and 'Atmanirbhar Bharat'.

SSIP 2.0 is a definite step towards identifying, nurturing and supporting young entrepreneurs who have brilliant innovative ideas but are short of resources to turn their ideas into reality. The key targets of the initiative have provisions for supporting 10,000 Proof of Concepts (PoCs) and 5,000 IPRs and incubating 1,500 startups in the next five years. Also, the aid for PoC has now been raised to Rs 2.5 Lakh, while IPR aid has also been increased by 1.5 times. We also target to incubate 500 start-ups at i-Hub with a seed grant of Rs 2.5 - 10 lakh per startup. Significantly, SSIP 2.0 provides for Direct Benefit Transfer in 2 - 3 installments, with grant disbursement in 45-60 days.

SSIP has now become a launchpad for new startup ideas, providing all types of assistance – from early-stage assistance to growth-stage market debut. It's a catalyst in the journey of early-stage startups.

This collection – of tales of Technopreneurs' grit – would create a lasting impact on the minds of the want-to-be job creators and instill confidence that the state government is a co-partner in their entrepreneurial journey, empowering them at every stage.

Kudos to the efforts of SSIP and i-Hub for this compendium to inspire & promote more startups.

FLAGSHIP INITIATIVES OF
i-Hub

Startup Nidhi
Financing Innovations & Startups

Startup Saksham
Capacity Building of Startup Ecosystem Stakeholders

WEStart
Exclusive Programme for Women Entrepreneurs

Startup Clinic
One-to-One Mentoring

Startup Engage
Deeper Engagement between Industry Experts & Startups

Startup Grow
Physical & Virtual Incubation Support

FOREWORD

In the ever-evolving landscape of Industry 4.0, the concept of startups has taken a central stage in the economic development of Gujarat, India & around the globe. As we embark on the journey of fostering a culture of innovation and entrepreneurship in Gujarat, it becomes imperative for us to understand and appreciate the pivotal role of startups in shaping our future in the times ahead.

Startups are not just about developing new products or services; they are the precondition of economic growth and job creation. They encourage disruptions, drive innovation, and inspire a generation of thinkers and doers. It is through these ventures that we can solve complex problems, bring about social change, and make significant strides towards sustainable development.

However, the journey of a startup is often fraught with challenges. From securing initial funding, dealing with regulatory complexities, to scaling for growth, there are numerous hurdles that an entrepreneur needs to overcome. This is where the role of organizations like i-Hub and Gujarat Knowledge Society becomes paramount.

"A leap into the Techade-Tales of 75 Startups" aims to shed light on the integral role of startups in our society, the unique challenges they face, and how Gujarat as the Growth Engine and Economic Powerhouse is enabling a dynamic and conducive environment for these enterprises to thrive. It is a testament to our unwavering commitment to fostering a culture of innovation and entrepreneurship in our country.

The future of society's economic upliftment lies in the hands of our young entrepreneurs. Let us celebrate their spirit, support their endeavours, and pave the way for a future driven by innovation, creativity, and economic prosperity.

May this book serve as a guiding light for all those who aspire to venture into the exhilarating world of startups and contribute to the growth and development of our great nation.

Let's Startup!

- Banchhanidhi Pani, IAS
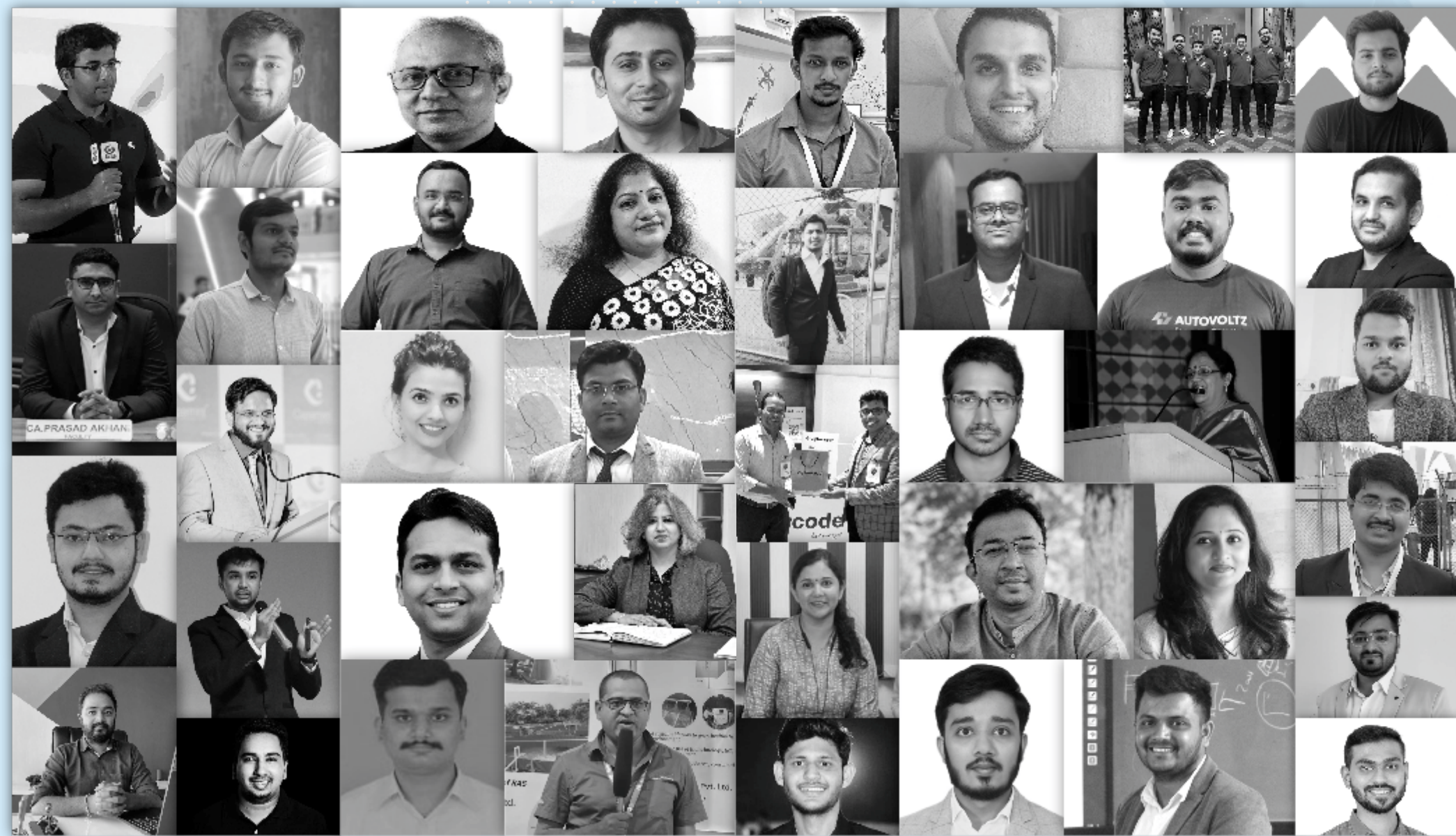**Commissioner, Technical Education, Gujarat Government**

INDEX

#TechFlies

A leading manufacturer of Industrial Drones & Embedded AI products. It creates sentient drones, robots and scalable platforms that are used in industrial, defence and commercial use cases on the edge and cloud powered by 1MW AI 3.0.

1 Martian Way Industries Pvt. Ltd.

Sector:
Artificial Intelligence (AI)

Stage of Operation
Growth/Scaling

Founder: Karan Kamdar

www.1martianway.com
www.droneracingindia.com
karan@1martianway.com

1 Martian Way (1MW) is the leading manufacturer of Industrial Drones and Embedded Artificial Intelligence products based in Mumbai, India. The company has gained popularity as the creator of the internationally acclaimed Indian Drone Racing League (IDRL) which is India's first and only official drone racing organization with more than 4600 pilots and growing.

"We create advanced sentient drones, robots and scalable platforms that are used in a large number of industrial, defence and commercial use cases on the edge and cloud powered by 1MW AI 3.0, our proprietary AI technology. We have deep expertise in providing custom-built drones as per clients' requirements delivered by a team of high tech-worth roboticists and AI scientists," Karan Kamdar says.

According to Kamdar, proprietary AI-driven drones and associated infrastructure developed by his company would become a standard and an essential part of all industrial, defence operations and many other sectors in the next five years.

"This will completely upend existing business processes right from manufacturing to last-mile deliveries. The power and combination of AI at the edge and cloud coupled with drones will create entire ecosystems in which new ideas will thrive and businesses will be created," he says.

The company has exceeded INR 50 Lakh in revenue since incorporation.

Achuk Environmental Solutions Pvt Ltd

Sector:
Fire safety

Stage of Operation
Early Traction

Founder: Rahul Shah
Co-founder: Sona Shah

www.achuk.in
rahul.shah@achuk.in

A novel chemical composition that fights high-temperature fires and smoke. Adaptable to existing firefighting equipment & technology, it has no special storage requirements and has a virtually unlimited shelf life.

Despite advancements, the world is still struggling with large-scale fires in forests, coal mines or huge structures that often result in high casualties, losses and irreparable damage to the environment. The gravity of the issue had Rahul Shah researching, that eventually led to the birth of Achuk.

"Achuk is a novel chemical composition and is unrivalled in fire elimination. It works instantly on class 'A' fires including the modern day synthetic material fires that constitute 97% of fires the world over. It is universal in application and eliminates fire swiftly & safely, with no harmful effects on the environment. Achuk is adaptable to existing firefighting equipment and technology and it is cost-effective. It fights high-temperature fires and smoke, has no special storage requirements and has a virtually unlimited shelf life," says Rahul.

Achuk is available in portable & trolley mounted extinguishers (ACHUK 101) as well as a wet concentrate for bulk applications. "Achuk Environmental Solutions Pvt Ltd is a startup India Company (DIPP 24355) with offices in Mumbai and Ahmedabad. AES holds the exclusive patents globally for the innovative fire extinguishing composition in 46 countries, with patents granted in India, USA, Australia and South Africa," says co-founder Sona.

Achuk has generated a revenue of Rs 10 lakh thus far.
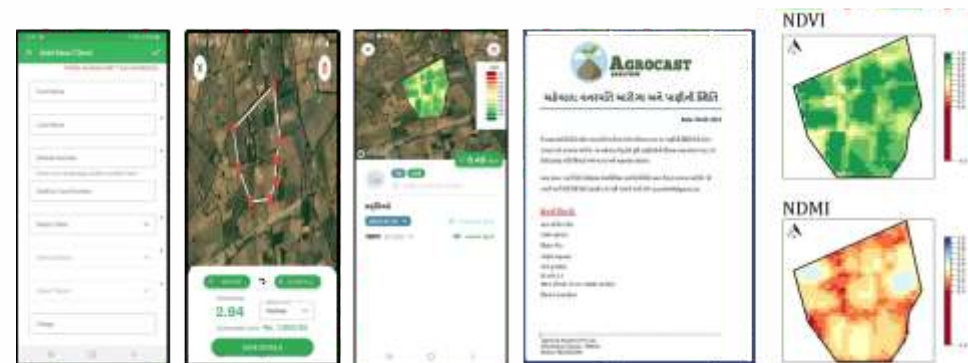
AgroCast Analytics Pvt Ltd

Sector:
Agritech

Stage of Operation
Proof of Concept (PoC)

Founder: Dr. Harsh L. Shah

www.agrocastanalytics.com
sharsh4949@gmail.com

An agrarian forecasting and analytics firm that offers a wide range of consulting services in the field of agriculture, water resources, climate change analysis, and policymaking.

Incorporated in 2019 by Dr Harsh Shah, AgroCast Analytics Pvt Ltd is a forecasting and analytics firm that designs climate-resilient solutions by analyzing and eliminating current and projected risk associated with a project.

"We have developed a platform to monitor crop growth, soil moisture distribution, and crop health using remote sensing techniques and share reports with farmers through WhatsApp, and email. It is very useful for farmers in scheduling farm practices. In the end, farmers save resources like water, electricity, and farm inputs by using advanced technology," says Dr Harsh Shah.

A joint venture of members from the IIT-Gandhinagar and IIM-Ahmedabad, Team AgroCast has extensive experience in the field of agriculture, water resources, climate change analysis, and policymaking.

"AgroCast team has technical and managerial skills to translate design ideas and concepts into executable formats as envisaged by clients. We provide scientific solutions to business problems. We believe in bringing the most efficient, effective and affordable knowledge solutions using the most robust & state-of-the-art analytics tools and applications," says Dr Shah.

AgroCast has provided consultancy services to large-scale projects like Surat Metro Rail, Solar-Wind Hybrid Park across India, Climate Variability Studies of Bhutan Country and Hydrology assessment and Drainage Design for various government and private companies. The start-up has generated INR 30 lakh in revenues since its launch.

AiDrone Pvt. Ltd.

Sector:
Defence

Stage of Operation
Early Traction

Founder: Ani Sam Varghese
Co-founder: Nibin Peter, Joji John Varghese

www.aidrone.in
anisam@aidrone.in

Developing state-of-the-art solutions in Unmanned Aerial Systems (UAS), Counter UAS, Drone Forensic, Defence, Aerospace and Disaster Management with make-in-India components.

A group of tech-driven passionate enthusiasts founded AiDrone Private Limited for the indigenous design, development, manufacturing and implementation of equipment relevant to the Robotics, Drone and AI industries — an all-in-one drone solution that can seamlessly be used for disaster management, search and rescue and firefighting.

"AiDrone focuses on developing state-of-the-art solutions in Unmanned Aerial Systems (UAS), Counter UAS, Drone Forensic, Defense, Aerospace and Disaster Management. We consider the development of an AI-enabled rugged, Industry grade drone which is best suited for use in the Indian market as one of our best achievements," shares Ani Sam Varghese. The other areas of AiDrone are surveillance, aerial survey, inspection, agricultural spraying, and logistics.

"We are also committed to ensuring drones are not being used for illegal purposes like smuggling illicit materials, spying, or anti-national activities. Therefore, we have also developed an Advanced Drone Interception and Tracking Instrument (ADITI) for detecting and interdiction illegal drones. We are implementing the first phase of ADITI for the Kerala Police," he adds.

AiDrone is collaborating with CDAC to realise the flight control system using the 'Vega' processor which was developed by CDAC and manufactured in India.

The startup has generated Rs 2.5 crore since its incorporation in 2018.

Airender Technology Private Ltd

Sector:
Artificial Intelligence

Stage of Operation
Minimum Viable Product (MVP)

Founder: Abhishek Rhisheekesan

www.airender.co.in
airender@airender.in

Building an AI-based live-streaming 3D video conferencing product to see, feel and talk to the person who is remotely based. The start-up offers nearly real-life communication solutions through various products.

Imagine a world where you can see, feel and talk to a remotely-based person in your room as if he/she is sitting next to you! At aiRender, AI-based live streaming, in thin air, 3D holographic display-based video conferencing product – aiRender – is being built for a greater reality. "2D video conferencing is not an effective replacement for in-person meetings. At aiRender, we are building an AI-based live-streaming 3D video conferencing product to see, feel and talk to the person, who is actually away, as if sitting next to each other," says Rhisheekesan.

"Patients can consult doctors through teleconsultation and get a better analysis of their disease through 3D video conferencing. Imagine telecommuting to work where some meeting participants are working from home and some participants are presenting from office conference rooms. The participant at home can wear VR headsets or use an integrated 3D holographic projector on laptops to view live streaming 3D projections of the presenter at the office, or the life-like 3d projections of WFH participants can be shown in an office conference room using standalone overhead 3D holographic projectors," he explains.

"Influencers promoting 3D games, 3D products and delivering 3D tutorials can convert the 2D videos of themselves into 3D videos, and thereby increase viewership and subscriptions by immersing in the 3D environment, creating curiosity among viewers and establishing their authenticity in terms of 3D content delivery," he adds.

The founder cites multiple areas like sales & marketing and online tutoring which can be revolutionized using 3D video-conferencing applications.

Aliste Technologies

Sector:
Deep Technology

Stage of Operation
Growth Stage

Founder: Konark Gautam
Co-founder: Anant Ohri

www.alistetechnologies.com
konark@alistetechnologies.com

Created smart home solutions that are convenient, affordable and accessible to masses via a subscription model at merely INR 1 per day per appliance.

Aliste Technologies is a Consumer IOT brand that develops smart home solutions & makes them accessible for masses via a subscription model at merely INR 1 per day per appliance.

Smart homes for long have been an aspirational dream of many. With booming smartphone adoption, control of one's home's appliances via one's phone seems like an obvious extension. Yet, as per a recent study by Google, adoption of Smart Home Devices in urban Indian homes is sub-1%.

In order to truly drive user adoption, the younger tech-savvy users have to be targeted. This is an extremely price sensitive demographic that can not afford exorbitant entry points. An affordable D2C subscription model with stable & reliable solutions would facilitate adoption & drive home automation among the masses.

The subscription is enabled by a reliable product that has been developed in-house and has been validated wherein, the solutions were installed in over 1600 homes & 5000 active users. One of the inferences drawn from the sales pilot was that user data suggests habit formation over time with a steep Week on week increase in appliance operation via app & voice control which is highly encouraging for a rental / subscription model.

Aliste was featured on the first season of Shark Tank India, which was a roaring success and led to tremendous exposure & recall value for the brand.

At their core, Aliste is a mission driven brand with a strong drive to facilitate conscious energy usage in Indian homes. The solutions curb wastage & lead to power savings in your home via full-end analytics & green mode functionalities. Indian homes have an ever increasing power consumption rate and the company's aim is to put a dent on that number and lead to a smarter, greener way of life.

ANKPAL Technologies

Sector:
FinTech

Stage of Operation
Growth/Scaling

Founder: Prasad Akhani
Co-founder: Sanket Thakkar

www.ankpal.com
pa@ankpal.com

A cloud-based Eco- System of Business Accounting, integrated with GST/Income Tax and other compliance authorities. It aims to bring MSMEs, business owners, CAs/tax consultants & banking on a single platform.

In order to automate accounting & compliances, Prasad Akhani and Sanket Thakkar came together and founded 'Ankpal' – a cloud-based Eco- System of Business Accounting.

"Ankpal is a cloud-based Eco- System of Business Accounting and it is integrated with GST/Income Tax and other compliance authorities aiming to bring MSMEs, business owners, CAs/tax consultants & banking on a single platform to ensure accurate accounting, timely filing & easy financing for the business," says Akhani.

While working as a CA, the two found that accounting is not in real-time integrated with CAs, which leads to non-compliance and non-payment for various laws. While business owners face difficulties in finance and CAs/Tax Consultant faces problems in timely compliance.

"These issues motivated us to build something through technology that brings key business stakeholders on a single platform and Ankpal came into existence. Ankpal performs financial tasks efficiently and automatically. It generates key financial reports instantly & streamlines Tax filing," says Thakkar.

Revenue generated so far 7L within 6 month of operation

Ansh Tech Labs Private Limited

Sector:
Security Solutions

Stage of Operation
Proof of Concept (PoC)

Founder: Harsh Panchal
Co-founder: Jay Makwana

www.anshtechlabs.com
harshp2035@gmail.com
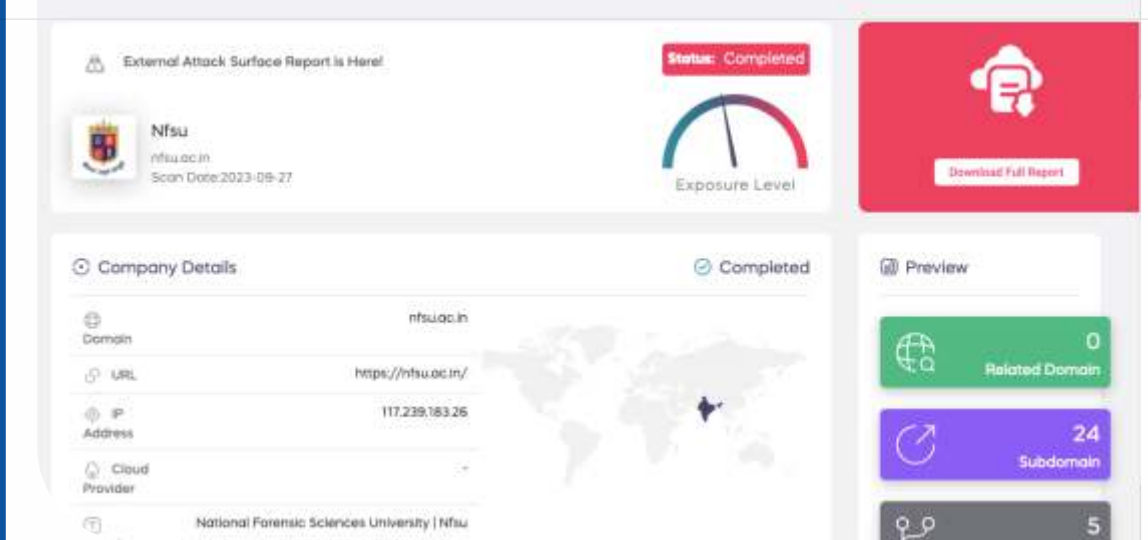
Ansh Tech Labs Private Limited is the embodiment of Harsh Panchal's never-give in approach towards the goal he has set his eyes on.

Ansh Tech Labs is a tech enthusiastic team of people who are developing solutions which can help tighten national security in the domain of Drone Forensics and Open-source Intelligence (OSINT)," says Panchal.

On the motivation behind his start-up, Panchal says: "During our investigation, we recognized the need for in-depth data correlation and intelligence. Following analysis, we felt the need for a tool that can significantly aid in our investigative process."

On what would be the impact of Ansh Tech Labs, he says: "Providing solutions to Law Enforcement Agencies (LEAs) to expedite investigations, recuing the probe to minutes from hours."

"Several agencies rely on outsourced tools. India lacks a 'Made-in-India' tool. Thus, our solution aims to assist investigators in streamlining and expediting the investigation process," the founder adds.

AR Village Technologies Pvt. Ltd.

Sector:
Deep technology (Augmented & Virtual Reality) (AR/VR)

Stage of Operation
Ideation

Founder: Nitin Tiwary
Co-founder: Sandeep Kumar

www.arvillage.com
nitintiwry007@gmail.com

Building metaverse solely for the medical domain where everything is available in a 3D format for visual learning and virtual patients. Their ultimate goal is to be a multi-vendor/multi-traction platform.

A metaverse solely for the medical domain. Yes, Nitin Tiwary and Sandeep Kumar thought of it and started working towards it by registering their startup.

"We are building metaverse for medical i.e. AR-VR based learning experience accessed via phone, tab, pc and oculus. We can create it like a metaverse where everything is available in a 3D format for visual learning and virtual patients. Our ultimate goal is to be a multi-vendor/multi-traction platform," says Tiwary.

"We saw a dearth of skilled doctors, nurses and health workers during the Covid. We learnt that there is a lack of visualization-based learning and clinical practice at most of the medical colleges in India. AR-VR will be the best solution for improving visual learning. Thus, we are trying to solve this issue using our skills," says Kumar.

"We are taking feedback from medical students, doctors and professors. They are really excited as they are seeing this product as a daily use case. It will be really helpful to students as they can use animation/3d models for in-detail visual study. The product will enhance the memory and visualization of students and this would make them better doctors. While professors can teach in a more efficient way, doctors can also use it for the demonstration to their patients," says Tiwary.

Arishti Info Labs Pvt. Ltd.

Sector:
Cyber Security

Stage of Operation
Early Traction

Founder: Ronak Sutariya
Co-founder: Hardik Tarpara

www.arishti.com
ronak@arishti.com

Aims to provide cyber security products, services to industrial networks and build solutions specifically designed to secure OT networks. Dorje is their first step towards securing India's Industrial networks.

The dearth of adequate solutions that could secure India's industrial cyberspace provided Ronak and Hardik with a perfect opportunity to not just create solutions but also launch their business venture -- Arishti Info Labs Private Limited.

"We founded Arishti to provide cyber security products and services to industrial networks and build solutions specifically designed to secure OT networks. Dorje is the first step towards fulfilling our wish to secure India's Industrial networks. It helps monitor industrial networking to always look for malicious activity," says Ronak.

The company provides auditing and assessment services for the ICS/SCADA systems for industries based on internationally recognized standards, including IEC 62443 'Industrial communication networks - IT security for networks and systems' and NIST 800-82 Revision 2, 'Guide to Industrial Control System (ICS) Security'.

"Arishti was founded with the mission to secure the industrial networks. Our product also helps secure the industrial environment for various industries, thereby improving the overall cyber resilience of our nation. We wish to increase awareness about the threat of cyber-attacks and their impact on the industrial environment," says Hardik.

Arishti, which has generated INR 83 lakh in revenue since launch, hopes to collaborate with BIS (Bureau of Indian Standards) to help define cyber security standards for ICS SCADA IIOT in industrial environments.

ARS Glasstech Pvt Ltd

Sector:
Clean Technology

Stage of Operation
Early Traction

Founder: Sugna Verma
Co-founder: Rajat Verma

www.arsglasstech.com
rajatverma@arsglasstech.com

ARS Glasstech's innovative AGNi-69 is a smart solar device that converts sun heat energy into applicable industrial heat requirements in an eco-friendly way. The firm is working around solutions based on concentrated solar thermal technologies (CST).

The thought of harnessing solar thermal energy to generate solar steam struck the founder-duo as the most economically viable eco-friendly solution. They designed an innovative device 'AGNi-69' -- a fully automated, lightweight, economical, low-maintenance solar boiler which gives quick payback with low investment cost.

"Industrial use of fossil fuel like Coal, Crude oil, wood, GAS, etc. for heat requirement is affecting the health of businesses and nation in terms of energy dependency & securities and environmental conservation. Our Innovative AGNi-69 is a smart solar device that converts eco-friendly and freely available sun heat energy into applicable industrial heat requirements. It is a potential solution to the oil security threat confronting India," says Sugna.

AGNi-69 is also a remedy for the environmental damage caused by conventional fuels. According to the founders, the use of concentrated solar thermal technologies (CST) would help companies in capping on their long-term fuel expenses.

"Our mission is to create a sustainable planet by innovating concentrated solar solutions for sustainable developement that contribute to social and environmental well-being. Our aim is to change the world's energy supply from fossil fuels to renewable energy by contributing unique technology and expertise in Concentrated Solar Thermal Technology," says Rajat.

The start-up has generated INR 700 lakhs.

AUTOVOLTZ

Sector:
Deep Technology

Stage of Operation
Early Traction

Founder: Yash Deshmukh
Co-founder: Tushar Saxena

www.autovoltz.com
yash.deshmulh@autovoltz.com

AUTOVOLTZ's AVR-1 detects fire quickly, activates sprinklers and helps with evacuating people by pre-wetting the route with sprinkler activation. It can provide info about the interiors of the building and actual condition during a fire emergency.

Why can't a fire alarm control fires? Why don't fire alarms have fire extinguishing capabilities? Why can't Fire Alarms and Fire Sprinkler Systems operate together to extinguish the fire? Why can't Fire Alarms execute evacuations during large fire accidents? This revolutionary thought crossed Yash Deshmukh's mind while he himself was caught in a fire and was awaiting rescue. Yash chased the idea along with Tushar and the relentless pursuit led to the emergence of AUTOVOLTZ.

AUTOVOLTZ's "AVR Intelli-Tech Fire Detection & Sprinkler Activation System" is the world's first single-click fire sprinkler control and activation system. AVR-1 system picks the best sprinkler patterns for quick water spraying over fire-affected areas to extinguish a fire at the fire source. AVR transforms conventional fire sprinkler systems into advanced fire sprinkler systems by integrating it with AUTOVOLTZ-Software-Console Panel that provides manual control of fire sprinkler systems globally based on 100% false-proof fire detection using AI/ML Technology, while also measuring the amount of water required for longer firefighting.

This smart fire sprinkler system can be operated autonomously and manually during fires from miles and protect your premises autonomously and provide controls and notifications to your hands anywhere in the world. AUTOVOLTZ's hardware and software platform saves infrastructure and lives automatically without interdependency on human decisions and ability, while helping firefighters from risking their lives.

"AVR-1 plays an important role in detecting fire at an early stage and activating fire sprinklers for extinguishing fire quickly, also with evacuating people to a safe area by pre-wetting the route with sprinkler activation to the nearest safe exit during a fire accident. It can help firefighters to know about the inside of the building and its actual condition. This would help them conduct firefighting operations strategically and risk-free," he says.

Brainiac Healthcare Pvt Ltd

Sector:
Healthcare

Stage of Operation
Minimum Viable Product (MVP)

Founder: Krunal Prajapati

Innovates cost-effective medical devices for healthcare professionals to enhance their work efficiency. It has developed a prototype of capnometer that offers customized solutions to anaesthesiologists.

To provide Indian anesthesiologists with a customized solution for capnometer products for enhanced work efficiency, LD College of Engineering alumnus Krunal Prajapati has been working towards developing premium-quality, cost-effective customer-centric products through his venture -- Brainiac Healthcare Private Limited.

"Indian anesthesiologists have to continuously monitor capnogram. They also need some sort of mobility while diagnosing a patient. This kind of flexibility is not provided by products available in the market presently. Besides, some traditional capnometers cannot be used while radiological scanning because radiography waves can damage them. AN Indian brand offering customized solutions can fix all these issues and enhance anesthesiologists' efficiency. So, I took the initiative to solve their issues," says Krunal.

"I always wanted to make medical devices. I found potential in my idea, my research and my knowledge though many rejected the idea. Nobody wanted to join my company. So, I incorporated my company under the guidance of my college Prof. B. H. Parmar and started working on this all alone. Now, it's been 10 months and I have approached anesthesiologists worldwide. We have developed a prototype and are currently testing it under their guidance," he says.

Krunal is hopeful of dominating a minimum 50% of the Indian capnometer market.

Capermint Technologies Private Limited

Sector:
Gaming Media & Entertainment

Stage of Operation
Minimum Viable Product (MVP)

Founder: Vivek Shah
Co-founder: Kushal Trivedi

A game & application design development company, has developed 'Kinisi' which helps users lose weight and reduce stress through 'Exergaming' by incorporating physical tasks like jumping and crouching.

Gaming is easily addictive but what if it inculcates a healthy lifestyle and boosts mental health? Well, the founders of Capermint Technologies not only thought of it but also introduced 'Kinisi'.

"Mobile games lead to a sedentary lifestyle that's 'the belief'. At Kinisi, we aim to dispel this perception. You can lose weight, improve coordination, and reduce stress through 'Exergaming' which incorporates physical tasks like jumping and crouching. Once our gesture gaming app is installed on your device, you can spot all connected games of our app. Using the mobile camera, you can play them easily," says Vivek.

Mobile gaming in India is set to be a $5 billion industry and AR/VR and console-based games are the future so we feel that there will be a sizeable amount of opportunity, he adds.

"A lack of physical activities leads to many severe diseases at a young age that heavily cost one physically, mentally and financially. Even some game subscription plans are not very cheap which means more financial burden. To get rid of these problems and challenges, it is better to adapt exergaming for entertainment," says Kushal.

A leading carbon fiber composite manufacturer with a fast and efficient manufacturing process. Our streamlined approach ensures high-quality products are delivered on time. Contact us to see how we can help you achieve your goals with our expertise and dedication.

The trouble in procuring good composites during the college research project prompted Sagar Soni to set up Carbon Matrix Composites—a manufacturer of carbon fiber composites that provides high mechanical properties than other manufacturers.

Carbon fiber Composite is advance material for next generation Engineering. It can be used as replacement of steel and plastic to fulfill Extremely Light Weight and Extremely High Strength Requirements.

"We are a leading carbon fiber composite manufacturer with a fast and efficient manufacturing process. Our streamlined approach ensures high-quality products are delivered on time," Soni says who is targeting PAN India supply in the next five years.

"Our specially developed Snapquaring epoxy system is used to manufacture Carbon fiber composites. We provide complete solution from CAD to product, majorly supplying to UAV & Robotics industries with customized molding & CNC machining," the founder says.

Carbon Matrix Composites

Sector:
UAV, Medical, Aerospace

Stage of Operation
POC ready

Founder: Sagar Soni
Co-founder: Shivam Jani

www.carbonmatrix.in
Sagarsoni@carbonmatrix.in

CerboTech Education Private Limited

Sector:
EdTech, Mental Wellness

Stage of Operation
Early Traction

Founder: Sweta Prajapati
Co-founder: Chirag Gadara

www.smartkids.cerbotech.in
sweta@cerbotech.in

Online cognitive skills enhancement modules to measure and enhance concentration, focus, memory, problem-solving skills, critical thinking, creativity and linguistic skills of students.

Motivated by the empowered women around her, the founder decided to launch her venture -- a dedicated organization working towards the brain skill development of children. And she laid the foundation of 'CerboTech' which caters to the fields of Cognitive Skills Assessment and Training.

"The CerboTech programs are conceived and developed indigenously under the 'Make-In-India' initiative. We apply BCI Technology and Artificial Intelligence along with scientifically researched concepts by leading scientists and universities across the world to offer solutions to measure and enhance cognitive skills like concentration, focus, memory, problem-solving skills, critical thinking, creativity, linguistic skills," Sweta shares.

CerboTech's programs have been recognized by IIT Bombay and GUSEC. The startup has developed a business partner network across India and 4 other countries.

"New Education Policy 2020 has put a lot of emphasis on cognitive skills and will be made a part of the School Curriculum. CerboTech programs complement the vision of the New Education Policy 2020. We want to provide Cognitive Skill assessment and training solutions to people of all age groups and from all walks of life," says Chirag.

The startup has generated INR 15 lakh in revenues since its inception.

A construction equipment manufacturing company. Its 'Concrete Screed Vibrator' increases the quality of overall structure, speed of the concreting process, and aesthetic appearance of the concrete surface.

Construction Equipment Tools and Machinery Invention and Production (CETMIP) is a construction equipment manufacturing company, established by Rahul Patel, Jalpen Patel and Munjal Patel in Malpur, Gujarat.

"One of the most important tools in building and civil works are concrete machinery. A Concrete Screed Vibrator is utilized for making sure that layers of discharge are free from any bubbles and to make concrete remain stable with a smooth finish. CETMIP LLP introduces a single solution that accomplishes both targets. Its Concrete Screed Vibrator is operatable by a single person," says Rahul.

CETMIP's Concrete Screed Vibrator increases the quality of the overall structure, speed of the concreting process, and aesthetic appearance of the concrete surface.

"It vibrates concrete (up to 8-inch thickness) and finishes the concrete surface at the same time thereby reducing the efforts of the mason and increasing his productivity. The overall procedure is handled mechanically so it accelerates the process. Also, it is easy to complete within the initial setting time of concrete. It increases the overall quality and solves the practical issues by meeting the theoretical requirement of Screed Vibrator," explains Jalpen.

CETMIP LLP has an excellent product range and it continually upgrades technology, process, machinery, and resources. The start-up has generated Rs 1 lakh so far.

Cetmip LLP

Sector:
Construction Technology

Stage of Operation
Early Traction

Founder: Rahulkumar Patel
Co-founder: Jalpenkumar Patel

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cetmipco@gmail.com

Ciphercode Tech Solutions Pvt Ltd

Sector:
Blockchain

Stage of Operation
Early Traction

Founder: Venkat Terugu
Co-founder: Bhaskar B N

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A technology start-up, has come up with the intelligent enterprise -- Brandwise -- for brands to digitize their products and manage consumer data.

Ciphercode is a technology start-up that has come up with the intelligent enterprise -- Brandwise -- for brands to digitize their products and manage consumer data.

"Brandwise is a SaaS platform built on patented technology and permissioned blockchain. In the connected era, Brandwise is the single-stop solution for brands to deliver digital experiences from authentication to Metaverse to seamless NFT ownership. Digitizing physical products invokes a journey of limitless innovation. The platform delivers an experience to consumers, convenience to stakeholders and intelligence to the business," Terugu says.

After being cheated by a counterfeit leather product, Venkat Terugu conducts basic research that found that there has been no tool or knowledge to check objects for their authenticity.

"Being a cryptography expert, I found a solution in the form of a free tool for the public. I left my job in 2018 and filed a patent to leverage cryptography to deliver authenticity to objects at a mass scale. After some research, I identified a business opportunity and I started Ciphercode (Cipher = Encryption, Code = inspired by software coding also a QR code)," says Terugu who wishes to create 1,000 jobs and a global enterprise product. The start-up has made more than INR 55 lakhs since its inception.

Coratia Technologies Pvt. Ltd.

Sector:
Robotics

Stage of Operation
Early Traction

Providing customised solutions for AUVs and ROVs operations through products, integrated solution packages and consultancy services that cuts down costs linked to underwater operations.

A group of alumni, researchers and faculty from NIT Rourkela have formed Coratia Technologies -- a company aimed at providing an end-to-end solution in the field of AUV & ROV by reducing the costs linked to underwater operations.

"We are providing technical solutions in underwater civil structure inspection like dams, bridges, etc., pipeline inspection, ship & dockyard. The idea struck us when we were a student team back in 2014. We saw a great demand in this field and that kept us motivated," says Debendra Pradhan.

"Our target customers are government and inter-government agencies, ministries that are dealing with dams, bridges and other underwater civil structures," adds Biswajit Swain.

India has faced around 9 major dam failures in the past decade. "Most of the dam failure has happened due to irregular & lack of dam monitoring. The impact was huge and there were several casualties. Our product will help the government department to do timely monitoring of underwater civil structures," explains Pradhan.

"Our underwater robot can be used on any dams and bridges in India, and perform pre and post-monsoon tests. This will help to alert and prepare the concerned department," says Swain.

Founder: Debendra Pradhan
Co-founder: Biswajit Swain

www.coratia.com
contact@coratia.com

Cowbit Technologies Pvt. Ltd.

Sector:
Agritech

Stage of Operation
Minimum Viable Product (MVP)

Building an international IoT platform for cattle health monitoring system, benefitting dairy farmers & cattle welfare through mobile apps and alerts. Cowbit is a technology product.

The thought of building a digital health monitoring system that would help cattle and stakeholders take effective decisions in maintaining cattle at farm inspired Diptimayee Mishra and Ananda Kumar Mishra to start Cowbit Technologies Pvt Ltd.

"The idea is to implement IoT technology for cattle health monitoring systems for the benefit of dairy farmers & cattle welfare through mobile apps and alerts. At Cowbit, engineers are building an international IoT Platform. At its core, Cowbit is a technology product," says Diptimayee.

Cowbit is developing a line of connected products and solutions to optimize the health of cattle for farmers' welfare. This includes facilitating the right kind of infrastructure and housing for cattle, tracking each individual animal's health and yield through a the wearable device, measuring parameters such as heat cycle, mastitis, foot and mouth disease and monitoring health conditions.

"Our smart neck collars monitor dairy cows 24/ 365. We gather temperature, rumination, activity & other behavior data. Our intelligent algorithms process this information and provide insights. This brings much-needed visibility into farm operations, allowing farm managers to make informed, timely and profitable decisions," says Ananda Kumar.

Cowbit wants to bring INR 50 Crore of cattle to India under the digital scanner. The start-up has generated INR 11 lakh.

Founder: Diptimayee Mishra
Co-founder: Ananda Kumar Mishra

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Cyber3ra

Sector:
Cyber Security

Stage of Operation
Minimum Viable Product (MVP)

India's first Bug Bounty Platform,is a new AI-based SaaS platform that provides a one-stop solution to list digital assets and test them in a crowdsourced approach.

India's first Bug Bounty Platform, Cyber3ra is an aggregator with a new AI-based SaaS platform that provides a one-stop solution to list digital assets and test them in a crowdsourced approach.

"Cyber security is a 1 Trillion US$ market. Last year 14% of global Bug Bounty contribution was from India but there was no Bug Bounty platform by an Indian company, hence we built this to provide cyber security services to Indian and Global companies," says Adarsh.

Unlike manual penetration tests and vendor-specific tests, Cyber3ra helps companies connect with thousands of brilliant minds who would test the platform rigorously and contribute to companies' security while preserving the integrity and privacy of the bugs at a fraction of the cost.

"There is no Bug Bounty AI-based SaaS in India. Our platform provides cyber security through crowdsourcing and making the right cyber security professionals available to enterprises for Bug Bounty programs, Vulnerability and Penetration Testing, Virtual CISO services, Cyber security training, Job listing and Marketplace. The challenges like lack of resources, need for low cost, rapid testing, efficiency, efficacy are addressed by us," says Laxmidhar.

Cyber3ra has enhanced cyber security knowledge through cyber security training and increased participation of Indian cyber experts in the global market.

Founder: Adarsh Kant Sinha
Co-founder: Laxmidhar V Gaopande

www.cyber3ra.com
cto@cyber3ra.com

Data Prophets LLP

Sector:
Artificial Intelligence (AI)

Stage of Operation
Early Traction

An AI-enabled product & service startup that provides data-backed estimation and plans to become a one-stop solution for any renewable needs.

To help renewable plant owners furnish data-backed estimation on energy generation in the specified time frame as is a government norm, Dodhiwala and Nandani launched Data Prophets LLP -- an AI-enabled product & service startup.

Every renewable plant owner needs to submit predictions of what energy their plant would generate in the given time frame. The plants are allowed certain errors in predictions beyond which they have to pay a hefty penalty.

"Current market players are not utilizing the past data & rely on the weather forecast, resulting in higher penalties and delayed break-through points. So, I developed our proprietary AI algorithm. And with another co-founder to handle the UI, we have our product ready," says Dodhiwala.

"Not just reduced business operating cost, we plan to provide a complete solution from being a government-approved forecast agency to finding the best suitable partners for RE plant Developers. We plan to be a one-stop solution for any renewable needs," he adds.

"We are in the private beta stage & are implementing our product over several regions in India with varying power generation capacities. We are trying our best to reduce the penalties levied so far by an average of 25%. With this, we plan to make new plants profitable within 6 years of instalments," says Nandani.

Founder: Akshay Dodhiwala
Co-founder: Ketan Nandani

www.dataprophets.in
akshay@dataprophets.in
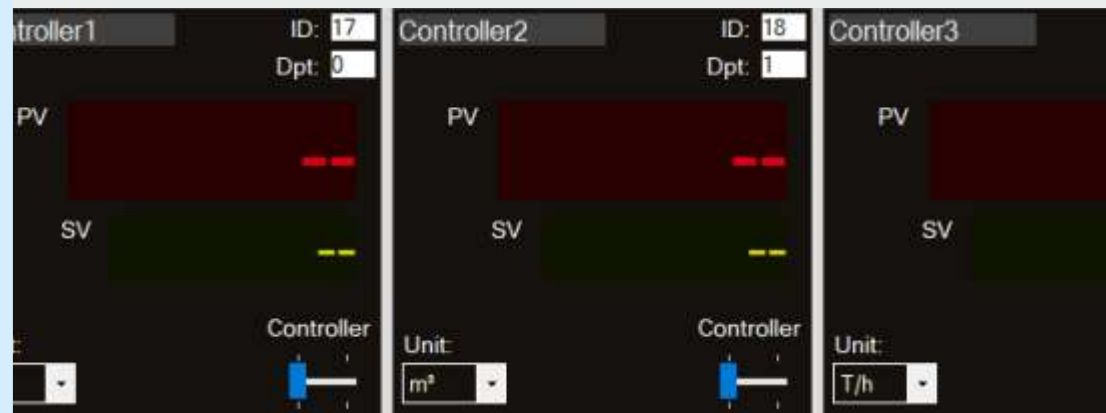
A complete solution, including software, hardware, and application engineering, by using the latest resources to fulfil the requirements of Industry 4.0.

Dicot Innovations Pvt. Ltd.

Sector:
Information and Communication Technologies (ICT)

Stage of Operation
Minimum Viable Product (MVP)

Founder: Nandan Shukla

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nandan@dicot.tech

To tap the need for easy, economical and well-protected Industrial IoT software & hardware, Nandan Shukla has launched his start-up Dicot Innovations Private Limited, heralding a revolution in the field of Industrial Software & IoT.

"Dicot Innovations Private Limited offers a complete solution including software, hardware, and application engineering. We use the latest resources for hassle-free implementation and maintenance of products & solutions to fulfil the requirements of Industry 4.0," says Nandan.

"There have been several issues with industrial IoT. Besides being expensive, the lack of infrastructure makes designing and implementation complex. Also, an unskilled workforce poses problems in maintenance. The MSMEs cannot afford pricy solutions provided by international Industrial IoT service providers. Again, the solutions cannot easily be upgraded as per the new technology being invented every day," he reasons.

Dicot is expanding rapidly and has been able to create a customer base of more than 50. The company has some A-list clients like BHEL, BEL, TATA STEEL and ELECTROTHERM. "Since our products have been developed in our country, Dicot is proud to be a part of the 'Make in India' campaign of the government. We have conducted workshops for employees to train them in operating our software. Thus, we are contributing to the up-skilling of workers," Nandan adds.

Dualsafe Pvt. Ltd

Sector:
Automotive Safety and IoT

Stage of Operation
Minimum Viable Product (MVP)

Founder: Arvind Sethi
Co-founder: Anupama Sethi

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arvind.sethi@dualsafe.in

A two-in-one two-wheeler headgear that provides safety to the rider and the pillion through one helmet which is lightweight and can be worn together.

Ever thought of a two-in-one helmet? Well, Arvind and Anupama did the thinking and put effort into introducing a dual-gear safety device that would keep the rider and the pillion safe while on the go.

"DualSafe provides multiple facilitation through Dual Gear safety devices, put together for rider and pillion. We are also working towards having more enhanced features identified for SMART helmets. These smart features would enhance focus on roads and apprise riders of their surroundings in a better way. If made available at optimal cost, there would be a huge shift, and people would adopt this niche product," says Arvind.

Surveys have found that 37% of those killed in accidents during 2018 were two-wheeler riders, with the majority, about 70 %, of them being pillion riders.

"This two-in-one helmet would take care of multiple challenges and that one helmet splits into two individual helmets for the rider as well as the pillion. It would make a sustainable safety device available for two all the time and the product is patented. We are also planning on bringing IoT features like alarm if retention mechanism not tied or put on, intercom between rider and pillion, connectivity to mobile for music, GPS instructions and calls via Bluetooth, etc.," says Anupama.

The founders eventually plan to launch the product at the global level.
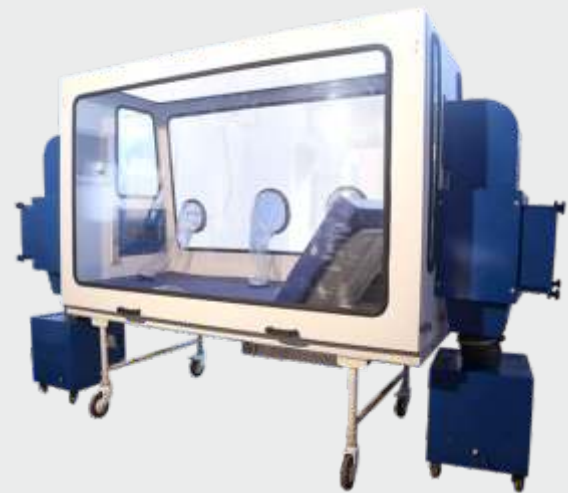
Edith Robotics Solutions Private Limited

Sector:
Medtech

Stage of Operation
Minimum Viable Product (MVP)

Founder: Shubham Shah

www.edithhealthcare.in
shubhamshah7999@gmail.com

Edith Robotics is a healthcare startup countering infections in ICU and hospitals through portable isolation solutions

"The lack of affordable, portable isolation solutions in India exacerbates the spread of infectious diseases, leading to high hospital-acquired infection rates, antimicrobial resistance, and increased mortality. Edith Robotics solutions Private Limited is a deep technology driven startup, a pioneering force reshaping India's healthcare landscape," Shubham Shah says, discussing the idea behind his venture.

Focused on countering Hospital-Acquired Infections (HAIs) and the menacing rise of antimicrobial resistance, including superbugs, Edith Robotics' revolutionary solution addresses these critical challenges head-on. It caters to healthcare providers at hospitals and ICU staff by enhancing infection control in critical healthcare settings.

"By targeting cross-contamination through air, touch, vectors, and medical devices, we've developed a transformative answer for communicable diseases and immunosuppressed patients. Our personalized isolation solutions establish impeccably sterile environments, catering to diverse stakeholders in ICU care units and hospital settings. At the forefront of innovation, Edith Robotics is driving a paradigm shift towards safer, more secure healthcare facilities across the nation," says Shah.

"The pressing lack of affordable isolation solutions underscores a substantial market gap. Our innovative ICU Isolation Bed capitalizes on this demand, positioning itself as a transformative solution for effective infection control," says Shah.

Edutor App

Sector:
EdTech

Stage of Operation
Growth/Scaling

Founder: Ankit Thakor
Co-founder: Vipul Modi, Khetesh Akoliya, Kishan Mevada

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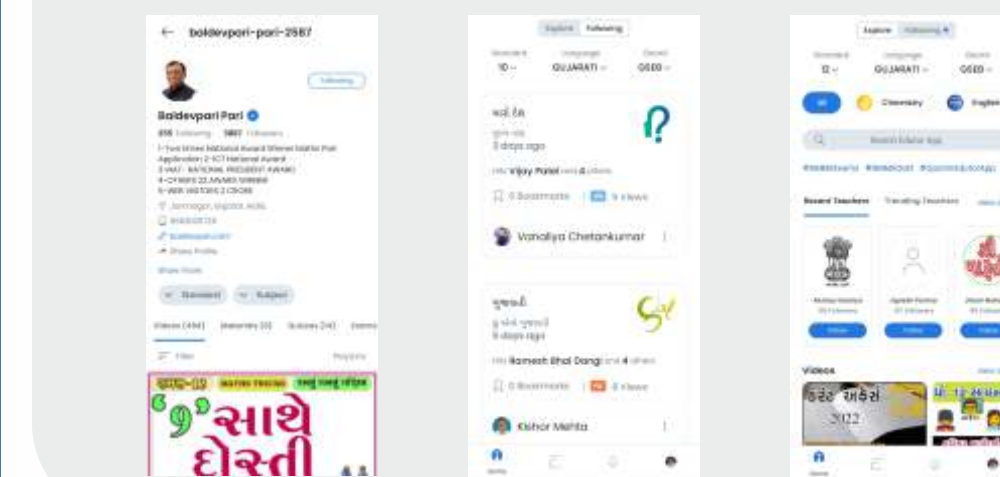
A free and open platform which enables teachers to teach in regional languages and thereby empowering them to take their teaching beyond their classrooms. Currently, 42,000+ teachers from 21 states in India are on Edutor App, uploading thousands of content daily.

In India, 200M students study in vernacular languages and they acutely lack quality content. About 10M local teachers who are in the best position to fill that content gap do not have a platform that enables & empowers them to go beyond their own class and teach thousands of students.

Edutor App is bridging this gap by connecting teachers and students of all languages on one platform.

"Edutor App is a free and open platform which enables teachers to teach in regional languages and empowers them to take their teaching beyond their classrooms. We are a team of 12 energetic youngsters based in Palanpur, Gujarat. Currently, 42,000+ teachers from 21 states in India are on Edutor App and uploading thousands of content on daily bases," says Ankit.

The devastating effect of this student-teach gap was intensely felt during the lockdown as the founders felt the need for an open platform for education which can connect teachers and students of all languages. That's how the Edutor App came into being.

Edutor App's mission and strategy are to train and empower 10,000 regional language teachers to create quality content to ensure every kid in India has one-click access to high-quality content for all subjects and grades.

A robust charging solutions portfolio to facilitate a smooth transition from ICE vehicles to Electric Vehicles. It offers Electric Vehicle charging stations for e-scooters, e-bikes, e-rickshaws and e-cars under its brand 'ARKIN'.

To facilitate the effortless transition to electric mobility for EV users, Eidikos Business Enterprises Pvt Ltd has been started, foreseeing that the future of EV charging lies in 'charge as you go'.

Eidikos offers a robust charging solutions portfolio to facilitate a smooth transition from ICE vehicles to Electric Vehicles. It offers Electric Vehicle charging stations for e-scooters, e-bikes, e-rickshaws and e-cars under its brand 'ARKIN'.

"Eidikos is proud to be contributing towards the vision of the nation of Atmanirbhar Bharat as its products are 100% locally designed and developed which makes our products economically viable," says Zunzar.

Its current AC EV charging infrastructure solutions portfolio offers multiple EV charging station products with power ratings ranging from 3.3 KW to 22 KW.

The company has introduced three products in the market -- ARKIN Mini, ARKIN Lite and ARKIN Plus -- which meet the EV charging infrastructure needs of all EV user segments.

"Eidikos believes in sustainability. We strongly feel it is everyone's duty to participate in the global efforts to preserve our planet. Transport sector is one of the highest contributors to CO2 emissions. Through our ARKIN electric vehicle charging station product solution, we facilitate an effortless transition from ICE vehicles to CO2 emission-free electric vehicles," says Shraddha.

Eidikos Business Enterprises Pvt. Ltd.

Sector:
Clean Technology

Stage of Operation
Early Traction

Founder: Zunzar Patil
Co-founder: Shraddha Patil

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zunzar@eidikosbusiness.in

Eleics Design Pvt. Ltd.

Sector:
Deep Technology

Stage of Operation
Growth/Scaling

Founder: Amit Gohel
Co-founder: Bhavesh Gohel

www.iotdashboard.in
amit@eleics.com

Eleics develops retrofit IoT devices for automotive, textile, agriculture, logistics, energy, and other industries. It offers customised electronics product design and manufacturing services to various industries in India and abroad.

Two young engineers Amit Gohel and Bhavesh Gohel founded Eleics -- an Idea-driven Technology company that develops retrofit IoT devices for automotive, textile, agriculture, logistics, energy, and other industries. It also offers customized electronics product design and manufacturing services to a variety of industries in India and abroad.

"Eleics is helping small and medium-sized businesses in accelerating digital transformation by providing a modern & scalable data visibility solution. Our Internet of Things devices collect real-time data from machines and equipment and convert it into actionable insights via user-friendly dashboards. We assist customers in overcoming business obstacles at a low cost by integrating software and hardware," says Amit.

Eleics aims at solving the inefficiency of existing machines/equipment by collecting raw sensor data and showing users meaningful insights and alerts. It helps to reduce reporting time and drastically lower the output error rate.

"We can customise the hardware and dashboard for machine manufacturers and provide a flexible, cost-effective retrofit solution. In the last 2 years, we have deployed 500+ IoT devices for machine automation, resulting in a decrease of $250,000 in imports," says Bhavesh.

The company has generated INR 1 Cr so far.

ENERLYF

Sector:
Deep Technology

Stage of Operation
Growth/Scaling

Founder: Chirag Panchal
Co-founder: Riken Atos

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chirag@enerlyf.com
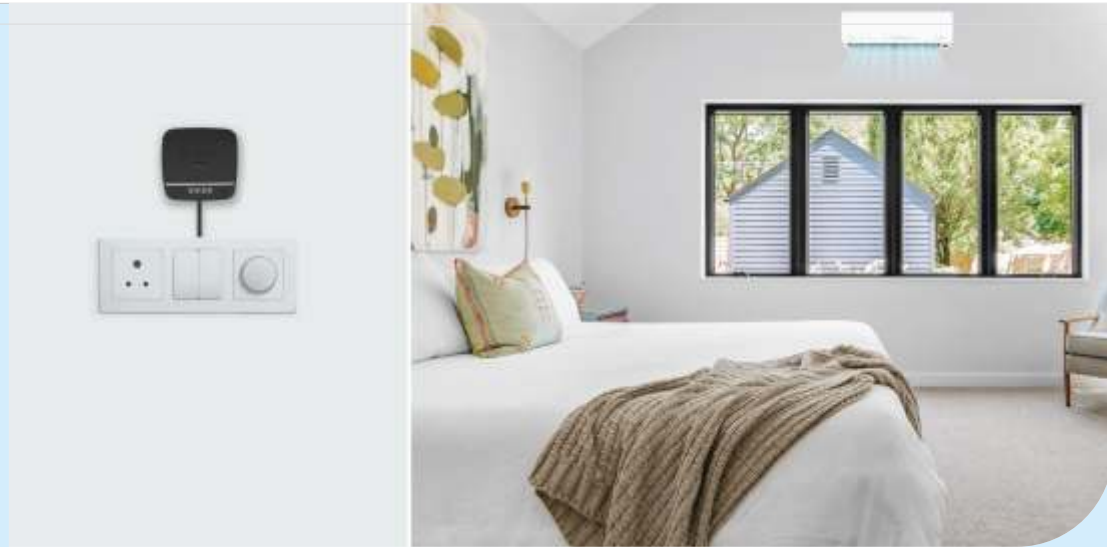
ENERLYF builds smart solutions for cooling energy optimisation by leveraging AI & IoT for residential and commercial spaces, lowering the carbon footprint for a better future.

Using air conditioners to stay cool accounts for nearly 20% of the total electricity used in buildings around the world today. We build smart solutions for cooling energy optimisation by leveraging AI & IoT for residential and commercial spaces, lowering the carbon footprint for a better future.

Because of the rising temperature & increasing income level, AC has become a part of our everyday life. But the challenge is the rise in electricity bills which affects the individual's pocket. People don't know how to optimally use AC as there is no understanding of the ideal temperature profile for better comfort. In addition, AC requires systematic periodic maintenance. All of these issues cause high energy bills & impact the environment.

"I would fashion ENERLYF as your personal assistant that will create a custom temperature profile considering daytime or nighttime, season change & other climatic conditions. This will result in good health & well-being. In this process, money savings of up to 35% on energy bills become complimentary for you. Its AI algorithm predicts AC health & informs you of required maintenance which will reduce additional energy wastage for you", says Chirag.

"We have been in the business for not so long but are in a position to impact the energy conservation sector considerably. We have generated more than 1 crore revenue in this short span", he adds.

ESTN Pvt. Ltd.

Sector:
Deep Technology

Stage of Operation
Early Traction

Founder: Aseem Kumar
Co-founder: Akshay Kumar

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akshay.kumar@estn-india.com

An Asset Integrity Management company, aimed at fulfilling needs of energy, manufacturing and engineering companies through reliable and standard global methods of assessments, reporting and advisory for safe and uninterrupted operations.

ESTN is an Asset Integrity Management company, aimed at fulfilling needs of energy, manufacturing and engineering companies through reliable and standard global methods of assessments, reporting and advisory for safe and uninterrupted operations.

Based out of India, ESTN has a team of industry professionals, experienced in the installation, operation and maintenance of various industrial assets in core engineering sectors like Oil & Gas, Power, Energy and Process Industries.

"ESTN hosts experts from oil & energy, power, mining & metals industries with a cumulative experience of more than 50 years in the world's leading Fortune 100 and Fortune 500 companies. The key areas of activity are creation & assessment of asset integrity reports, recommending equipment strategies, evaluation of asset degradation mechanisms and solutions pertinent to oil field assets & energy industries," shares Aseem.

ESTN reduces events of in-plant and cross-country equipment failures, hazards and accidents. "It improves risk-based operations and maintenance regimes by companies improving asset sustainability and asset turn-around life cycle. Also, ESTN localizes expertise in the field of asset integrity management, contributing to domestic skill development and export of specialized asset integrity services to international markets," adds Akshay.

The startup has generated INR 70 lakh since the launch.

Exflair Trade Pvt. Ltd.

Sector:
Biotechnology

Stage of Operation
Early Traction

A technology-enabled startup focused on innovative fish-farming system and recirculating aquaculture system. It uses micro-organism-based biotechnology to enable high yield using minimal resources & low input cost.

Exflair Trade is a technology-enabled startup focused on innovative fish farming. It uses biotechnology innovatively for wellbeing of fish and water parameter controls in RAS (Recirculating Aquaculture System), replacing costly machines with micro-organism-based biotechnology and enabling high predictable yield using minimal resources & low input cost.

"We wish to expand RAS sites in the country and outside India. The system would save 6,000 crore litres of water and 100 Gigawatt of power. It would increase farmers' profit by 10x and improve the livelihood of more than 10,000 farmers and workers across the country," says Chetan Kashyap, the founder.

Traditional fish farming consumes huge water resources and is prone to disease, resulting in low yield. Also, the existing RAS is not viable as it requires huge investment and high run cost, he points out.

"Our solution uses RAS in which fish is being farmed on land-based fish tanks where water is recycled through a series of filtration systems that maintains clean water in fish tanks. It enables 95% water saving as we recirculate and it lowers energy consumption significantly. This is sustainable healthy farming where farmers can reach break-even within 18 months," says Ghosh.

The startup has generated more than INR 2 crore since its launch.

Founder: Chetan Kashyap
Co-founder: Prajjwal K Ghosh

www.exflair.com
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Exposit Immersive Solution Pvt. Ltd.

Sector:
Augmented & Virtual Reality (AR/VR)

Stage of Operation
Early Traction

A wide range of innovative VR AR 360 based products and services to manufacturing, education, hospitality and real estate industries and many more sectors.

Roshan Rawal-anchored Exposit Immersive Solution Private Limited serves industries with stunning Augmented and Virtual Reality innovative solutions to help enterprises with employees training and productivity, marketing, educational experiences, awareness immersive campaigns and attentive customer outreach.

An award-winning start-up that is honoured by Hon. Home Minister Amit Shah, Exposit has served more than 70 Industrial clients, including Adani Group, L&T, Dubai Ports, Government of Gujarat, Pal-V (a Netherlands-based Flying Car Company) and many more.

"At Exposit, we are developing a first-of-its-kind of no code Metaverse/AR/VR experiences development platform for industries. METAEASE is a drag-and-drop-based platform. Anyone can create their own AR/VR experiences with its help and deploy at Web, Mobile or VR stations. With this product, Indian MSME and all small-scale companies can develop their own VR and AR Experiences which they can use in training, marketing, customer outreach, regular operations, maintenance and many more," says Roshan.

METAEASE helps industries to adopt new immersive technologies with ease and affordability. The companies can develop their own program without having much technical knowledge and at an economic price. Exposit has already generated INR 1 crore in revenue.

Founder: Roshan Rawal

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Feeltech Digivation Pvt Ltd

Sector:
EdTech

Stage of Operation
Early Traction

Founder: Gaurishankar Singh
Co-founder: Miral Songhela,
Hariprasad Bommidi

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feeltechdigivation@gmail.com

Promotes experiential learning through high-quality interactive educational content among students and teachers who don't have much access to resources.

When a group of Technology and Education enthusiasts got together to provide experiential learning to students in the comfort of their homes and help teachers to facilitate effective learning, they established Feeltech Digivation Pvt Ltd that blends technology with education.

"We design our content by keeping the requirements of new-age learners in mind. Our extremely passionate team of educators, content developers, and designers is making consistent strides in educational innovation to enhance learners' experience by producing 3D interactive, simulations, games, and much more," says Gaurishankar.

The start-up is developing a one-stop solution to take care of all needs of students like learning, experience, revision, and evaluation systems. "We will be providing them with a 3D virtual environment to learn, practice, perform lab experiments and evaluate their learning. We are creating a metaverse in education for students and teachers. Our team has the expertise in creating impactful pedagogy using Interactive and Immersive technology such as AR/VR and 3D simulation," says Miral.

Veeksha—their product —promotes experiential learning among students and teachers who don't have much access to resources. "With Veeksha, we deliver high-quality interactive educational content to those in rural areas in the most effective way. With Veeksha, any student in any geographical area should be able to access high-quality next-generation education anywhere anytime," Hariprasad says.

Forensic CyberTech Pvt Ltd

Sector:
Cyber Security

Stage of Operation
Minimum Viable Product (MVP)

Founder: Rushit Soni
Co-founder: Krish Mandaliya

www.forensiccybertech.com
rushit.soni@forensiccybertech.com

A leading consulting firm that specializes in digital forensic & cyber security, and offers complete end-to-end investigation services & training.

Forensic CyberTech (FCT) is a leading organization in the field of Digital Forensic and Cyber Technology. A pioneer in setting state-of-the-Art Forensic Labs, FCT provides complete end-to-end investigation services & training.

"FCT helps law enforcement and corporations to mitigate risk and achieve results on the investigation of several hundreds of cases of any size or complexity. Innovation is the center of our organization and our R&D in the field of Forensic delivers out-of-box forensic technology & services. FCT experts assure MNC organizations to address cyber threats and build robust secure infrastructure environments," shares Soni.

Digital Forensics and Cybersecurity being a specialized fields, the founders felt the need to create a start-up that would train, teach and equip the young minds of our country with the right tools to tackle the problems effectively.

"As we began to delve deeper into the field of Digital Forensic and Cyber-security, we realized there is no Digital Forensic Imager made in India. The R&D team at our start-up worked extensively to create a tool which would help address problems. This gave rise to the tool Project X which will help open up new paths and opportunities at several places across India," says Mandaliya.

The startup has generated INR 2.4 crore in revenues till date.

Gavyam Gentech Private Limited

Sector:
Animal Husbandry -
IoT and AI/ML Technology

Stage of Operation
Minimum Viable Product (MVP)

Founder: Dipen Parmar
Co-founder: Tejas Vaghela

www.gavyamgentec.com
dipen@gavyamgentec.com

Gavyam Gentech Private Limited is dedicated to transforming dairy farming into a smart and sustainable industry. Through continued innovation, training, and resource improvements, Gavyam is striving to revolutionize livestock breeding and herd health management with digitization.

"We seek to enhance the lives of dairy producers, as well as cattle by automating and improving the aspects of dairy farming. Through digiGAI, we address the need for innovative and affordable solutions to optimize dairy farming namely herd monitoring, breeding system, animal welfare, herd efficiency and farm productivity," says Dipen Parmar.

For six months, the product trials were conducted by Amul. "They saw big improvements in cattle pregnancy and process accuracy," says Parmar.

Under the Rastriya Gokul Mission, the government is investing Rs 111 crore for cattle artificial insemination, and eyeing Rs 17,000 crore from cattle pregnancy and milk generation. Out products hold the key to get that success and convert that Re 1 to Rs 150, says Parmar.

While digiGAI Bolus helps manage dairy farming seamlessly using accurate and reliable information transmitted automatically to mobile devices, digiGAI Digital Thawing Equipment is the most effective way to liquefy frozen or sex-sorted semen during the artificial insemination process. digiGAI Digital Vet Endoscope is digitizing artificial insemination by offering live streaming and recorded video of the insemination process, Parmar shares about the products.

Grahaa Space

Sector:
Spacetech

Stage of Operation
Proof of Concept (PoC)

Founder: Ramesh Kumar V

www.grahaa.space
ramesh@grahaa.com

GrahaaTM Space is a space-tech startup based out of Bangalore, working towards designing and developing a cluster of earth observation nano satellites that can be launched into low earth orbit to stream on-demand near real-time high resolution videos.

"Grahaa Space is on a mission to provide on-demand, near real-time geospatial videos of any given location on earth, captured and streamed through our advanced constellation of earth observation nano satellites. Our patent-pending technology with edge computing capability enables on-board processing and transmission of the video data on-demand to public and private organizations through our secure AI-powered web portal," says Ramesh Kumar V.

The processed data and insights thus obtained from satellite data would cater to areas like agricultural management, disaster and emergency response, military reconnaissance missions, investigative journalism, smart city initiatives & e-governance, marine intelligence, infrastructure and tracking industrial activity over specific areas.

"Live situation monitoring for defence applications or Rapid on-ground situation analysis during natural and man-made disasters are the areas where monitoring using satellites are considered to be a viable option. However, we are still in R&D stage, and are working on our PoC," says the founder.

Green Maneuver Industries LLP

Sector:
Climate Change

Stage of Operation
Early Traction

Thought that plastic pollution is wreaking havoc on the environment and affecting people too, made Archana Thosar to delve into the domain eco-friendly solutions. Her relentless pursuit led to the emergence of Green Maneuver Industries LLP.

"We offer a range of compostable and biodegradable products that are made from 100% plant-based materials. These products can break down and be disposed of in a way that is far kinder to the environment than plastic. When disposed of in the right environmental conditions, our compostable products can get decomposed and return to the earth as soil & compost within 180 days of disposal. These products are the best alternative of plastic," says Archana.

Green Maneuver makes bags corn starch and other natural elements. Also, no polluting gases are emitted while manufacturing these bags. Thus, a perfect replacement for (banned) single use plastic.

"We are trying to connect to maximum possible corporates encouraging them to use compostable products as the best environment friendly alternate to hazardous single-use plastic. I believe culture flows top down, so while bigger corporates would turn to these alternates, it would prompt smaller players and eventually individuals to incorporate them into usage. We are currently supplying Pan India to all our associated clients, and would be looking forward to do so as we grow," the founder says.

Founder: Archana Thosar

www.greenmaneuver.com
archana.thosar@greenmaneuver.com

Griden Technologies Pvt. Ltd.

Sector:
Clean Technology

Stage of Operation
Proof of Concept (PoC)

End-to-end charging solutions for both public and private use. It aims at providing an Electric Vehicle Charging Network which is cost-effective, and easily operational with wider availability.

That lack of charging infrastructure is an obstacle in adopting EVs in India inspired Jitesh and his friends -- Ajay, Pruthviraj and Gautam -- to devise a solution which took the shape of Griden Technologies Private Limited. It aims at providing an Electric Vehicle Charging Network which is cost-effective, and easily operational with wider availability. Griden offers end-to-end charging solutions for both public and private use.

"The home and commercial charging solutions are sustainable and reliable for owners, and take us one step forward in the direction of zero-emission mobility. The range of EV charging solutions includes both AC & DC charging. The charging station is empowered with an ultra-modern control system including Charger Management System (CMS) portal that helps corporate, government petrol pumps and individual owners control it with sheer ease, along with the Mobile application for Electric Vehicle owners & drivers at optimum cost with ease of use & availability," says Jitesh.

"The Indian government aims to have only electric vehicles on the roads by 2030. But India's EV charging infrastructure is still in its infancy at present and is yet inadequate to meet the country's requirements and that's severely hampering EV acceptance," he says.

The start-up has earned INR 40 lakh.

Founder: Jitesh Dodiya
Co-founder: Ajay Mori, Pruthviraj Zala, Gautam Parmar

www.gridenpower.com
jitesh@gridenpower.com

An automatic staircase load carrier which can carry loads up to 500 kg, and climb stairs without effort. It ensures the safety of goods and labourers by avoiding accidents.

The frequent house-shifting exhaustive exercise upon expiry of lease got the founders thinking of a solution that would make transportation of heavy goods on stairs swift and safe. 'Heavity Automation is a startup that found its shape in its efforts.'

"Shin-Up Mobility has been working towards building an automatic staircase load carrier which can carry loads up to 500 kg, and climb stairs without any effort. Shin-Up provides the safety of goods & articles and ensures labourers' safety by avoiding accidents. It promotes labour' health and safety standards in material handling," says Thakrar.

"We have developed our minimum viable product and we are ready for our pilot trials right now," Thakrar shares.

"Material handling equipment like carts, trolleys, forklifts, cranes, etc. fail when it comes to mobile operations on stairs during the last mile deliveries while shifting. With an increasing population on the move in search of better job opportunities and a booming e-commerce sector in India, the requirement for material handling on stairs is only going to rise. This increasing throughput will put pressure on people involved in last-mile deliveries, enhancing the risk of injuries & accidents. It would lead to reduced productivity and losses. Our device would address all these issues," Vyas says.

Heavity Automation

Sector:
Manufacturing

Stage of Operation
Minimum Viable Product (MVP)

Founder: Nikki Thakrar
Co-founder: Kunal Vyas

www.heavityautomation.com

H Vision India Pvt. Ltd.

Sector:
Social Enterprise

Stage of Operation
Early Traction

Founder: Hasin Vaidya

www.hvision.in
hasinvaidya@gmail.com

A unique wallet that determines the authenticity of currency to make visually challenged self-reliant in cash transactions.

To make visually challenged self-reliant in cash transactions and help them identify fake notes, Hasin Vadiya's start-up venture 'H-vision & Innovations' has designed a unique wallet that determines the authenticity of currency. The company also has the credit of developing the world's most compact currency detector.

"Our product helps visually challenged manage their cash transactions easily. It also helps in restricting the circulation of fake notes and thereby reducing economic offences related to counterfeit currency," says Hasin.

An educational visit to Blind People's Association (BPA) ignited Hasin's mind and he founded his company – Vision – with a view to making visually challenged Atmanirbhar.

"While studying a module on Design for Special Needs, I thought of inventing an assistive device that would help visually impaired people to detect the authenticity of the currency easily. That's how this wallet was devised," says Hasin.

The startup is at the prototype/Minimum Viable Product (MVP) stage and is ready for a pilot run.

Infilytics Pvt. Ltd.

Sector:
Information and Communication Technologies (ICT)

Stage of Operation
Early Traction

Solutions to automate the audit process and empowers organisations in managing their risks in an accurate, comprehensive and time-bound manner.

An auditing stint with ITC yielded Palak Vasa critical insights as he realised auditing methods at such a large organisation are inconsistent, incomprehensive and lacks standardisation, quality. And that these auditing methods will not make it to the future. Palak along with Smit founded Infilytics Private Limited.

"We are an analytical startup developing solutions to automate audit processes. The audit is a $35 Billion industry. However, methods adopted to conduct audits are largely manual. We firmly believe that today's auditing methods will not make it to the future. Our mission is to reduce audit duration from 3 months to 30 seconds. It is 100% automated and 100% accurate," says Palak.

Currently, their application audits transactions worth $1 Billion and have detected frauds of $1.5 Million

According to the founders, stakeholders at large like depositors, domestic & foreign investors, etc., would be a huge beneficiary. "We will be able to provide trust to these communities that any malpractice or fraud will be promptly highlighted and rectified. Hence, their investment would be safe," he says.

"We are empowering banks, corporates and MSMEs in improving their compliance. Hence, this will negate any uncertainties in these companies and will help boost financial stability in the Indian economy as a whole," says Smit.

Founder: Palak Vasa
Co-founder: Smit Parsania

www.iaudit.ai
palak.vasa@infilytics.in

Indifoot Sports

Sector:
Sports Tech

Stage of Operation
Minimum Viable Product (MVP)

Analytics of sports data via wearable tracking solutions through self-paced learning modules at the fingertips that helps budding sports enthusiasts, school goers and fitness freaks.

The passion to nurture sports culture in the country motivated Kushal Pratap and Chintan to look for a technological solution for the development of sports, and their entrepreneurial endeavour Indifoot Sports came into being.

"We came up with a wearable solution for all to keep a track of the development. It detects decline and growth in performances with the help of Indifoot Sports Analytics. With a massive resource pool available in the untouched market segment of performance tracking and analytics market for masses, we found the right opportunity and inspiration to delve into the niche," says Kushal Pratap.

Footrax provides data analytics of sports data via wearable tracking solutions for budding sports enthusiasts, school goers and amateurs playing for leisure and fitness freaks through self-paced learning modules at the fingertips. It provides them with a rich professional experience just like their sporting icons.

"This technology puts young kids at par with children playing sports in Western and European countries. It provides them with feedback reports and coaching solutions at par with international standards and training routines. Agencies like state and national sports associations would be able to use this technology and platform for unbiased selection based on performance reports. This would also help in identifying talents with the potential to shine at international competitions," says Chintan.

Founder: Kushal Pratap Singh Rathore
Co-founder: Chintan Lodha

www.footrax.com
kushalrathore@indifoot.com

Innovative Unmanned Systems

Sector:
Drone/UAV Industry

Stage of Operation
Minimum Viable Product (MVP)

Founder: Garvit Pandya

www.unmannedinnovations.com
garvit@unmannedinnovations.com

Founded in 2021, Innovative Unmanned Systems is a drone-manufacturing company based out of Rajkot, Gujarat.

"We designs and manufactures different types of Multirotor Drones for different applications. Innovative Unmanned Systems carries out multiple R&D work for their multirotor projects to come out with a compact product in the market. Thus far, customized drones have been manufactured and sold which is now being converted into a brand. The product is in the last phase of the manufacturing, and will soon be out in the market," says Pandya.

Recently, the company was awarded for its remarkable contribution towards the start-up ecosystem in Saurashtra region, by Hon'ble Minister of State for Skills Development & Entrepreneurship Dr Rajiv Chandrasekhar.

"We are solving the issue of project efficiency. Due to dismantling the product and change in the project location, we face the issue of work efficiency and its time consuming. We are designing and developing products that can be carried on two wheelers. Additionally, the drone will be ready to fly within three (3) minutes," says the founder.

"We have worked on projects where we have observed that efficiency is reduced due to dismantling of parts during transportation. We will be getting the product certified with DGCA and the core applications are Mapping, Surveillance, and Photography," he shares.

insideFPV Ventures Pvt. Ltd.

Sector:
Aerospace & Aviation

Stage of Operation
Early Traction

Founder: Arth Chowdhary
Co-founder: Oshi Kumari, Deyvant Bhardwaj

www.insidefpv.com
insidefpv@gmail.com

Plug and Fly FPV Drone or consumers, agriculture and defence that can be flown upto a range of 10km by sitting at your place and can record 4K HD Quality view

Labelled as India's first company to provide 'Plug and Fly FPV Drone', InsideFPV came into existence in July 2020. "The company builds drones for consumers, agriculture and defence. InsideFPV is a cutting-edge startup that is revolutionizing the world of first-person view (FPV) drones. Founded by a team of passionate drone enthusiasts, the company builds high-performance FPV drones that can be flown upto a range of 10km by sitting at your place and can record 4K HD Quality view," says Chowdhary.

At the heart of InsideFPV's success is their commitment to innovation. They are constantly pushing the boundaries of what is possible with FPV drones, developing new technologies and features that make their drones faster, more agile, giving more flight time and more durable than anything else on the market. One of the most exciting things about InsideFPV is their focus on affordability. They believe that FPV drones should be accessible to everyone, not just the wealthy, and they have worked hard to make sure that their drones are priced within reach of the average consumer.

InsideFPV's drones are not only affordable but also easy to use, even for beginners. They have come with detailed instructions and tutorials that make it easy to learn how to fly. The company's drones have also been praised for their durability and reliability. InsideFPV's drones are built to withstand the rigors of the environment, and they are made with high-quality components that are designed to last.

Overall, InsideFPV is a company that is changing the game in the world of FPV drones. With their innovative designs, affordable prices, and commitment to accessibility, they are making it possible for more people than ever before to experience the thrill of FPV drones.

The start-up has generated INR. 1,00,00,000 to date.

iTechNotion Pvt Ltd

Sector:
Human Resource Technology

Stage of Operation
Minimum Viable Product (MVP)

Founder: Avkash Kakadiya
Co-founder: Hiren Soni

www.poros.app
avkash@itechnotion.com

iTechNotion's POROS is the world's first iBeacon and GPS-based workforce management app that would help in plugging revenue leakage for companies and make the lives of employees and employers easy.

While working with a corporate giant, Avkash and Hiren detected various challenges in the workforce management – be it attendance, leave management or syncing biometric data from different locations to process payment. And the duo formed iTechNotion Pvt Ltd and designed POROS – a complete workforce management app that makes the lives of employees and employers easy.

"POROS is the world's first iBeacon and GPS-based workforce management app. The product intends to promote better work-life balance and cordial employer-employee relations. It would help in plugging revenue leakage for companies. It would also help employees to keep track of their working hours, leaves, employee benefits, calculation of emoluments, etc. POROS is completely cloud-based and an employee can manage everything from their mobile phone only," says Avkash.

"There were huge payroll leakages and monthly overhead of the HR team to just manage all data manually. Employees too didn't have clarity about their working time and benefits. Our solutions would take care of all these issues and create a positive impact on businesses that have or deal in manpower. It's easy to implement and use. The major benefits include reduced payroll leakages, managing day-to-day HR activities on fingertips and single click report generations," says Hiren.

The start-up has generated Rs 3 lakh thus far.

Jet

Sector:
Security & Surveillance

Stage of Operation
Proof of Concept (PoC)

Founder: Kalpit Hitesh Doshi

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kalpitdoshi24@gmail.com

Jet facilitates rescue at growth stage fire emergencies. The IOT-enabled smart dock operates as a mediator for victims while the retrofittable & standalone dock can be connected with any kind of fire extinguisher for better accessibility.

Despite several brutal reminders of a fire emergency, people tend to overlook the need to have fire safety equipment. Kalpit Doshi, however, thought otherwise and decided to enter this untapped potentially huge market of indoor spaces with aesthetically designed, effective innovation that would optimize rescue operations and also educate people about its significance. His endeavour got the shape of his start-up – Jet.

"Jet is a product-based startup facilitating rescue at growth stage fire emergencies. The IOT-enabled smart dock operates as a mediator for victims or bystanders. The retrofittable & standalone dock can be connected with any kind of fire extinguishers for better accessibility. "In case when the extinguisher is pulled away or a manual button is pressed on the dock, it rings a loud alarm & safety instructions to alert people around immediately. Furthermore it automatically communicates valuable details of space and people to respective stakeholders such as Nearest fire station or custom contacts." Kalpit explains the features.

Jet delivers to be the first point of interaction for urban citizens in fire emergencies to trust. The combination of features offer convenience that prevents further damage in this unpredictable situation," says Kalpit.

The efficient communication between victims, helping members, and the fire department will result in better safety arrangements for an emergency.

Keepsake Automation LLP

Sector:
Robotics

Stage of Operation
Growth/Scaling

Founder: Manan Bateriwala
Co-founder: Ami Bateriwala

www.keepsakeautomation.com
manan@keepsakeautomation.com

Dealing with various Industrial Engineering requirements and solutions. Its products Auto Welder and Auto Cutter have been developed for the welding, laser cutting and wood industry.

To cut the Indian industry's dependency on Chinese equipment and provide them with India-made solutions, Manan and Ami formed Keepsake Automation which develops solutions in the form of control systems, applications cells and data loggers.

"I wanted to make Welding SPM and Weld Clad stations. But I failed to find suppliers who can support us with the technology. Also, there were no ready-to-use packages available in the market, except for a few from China. I found 90% of Indian manufacturers used these readymade packages. But they neither provided any support nor customization. This situation inspired me to start developing control system solutions to cater and grow the local manufacturing domain," says Manan.

"The Indian industries are dominated by Chinese equipment for their productions. Local small and medium-scale manufacturers are either phasing out or assembling systems imported from China. This is mainly because of lack of knowledge and availability of technology for in-house development," he further adds.

Keepsake Automation's products Auto Welder and Auto Cutter have been developed for the welding, laser cutting and wood industry. "We have replaced the imported control systems used by OEMs with our solutions. This change helps OEMs to build machines as per their requirement with their own branding. Helping them increase market reach via their own make products," he provides the insight.

The start-up has made INR 27 crore in revenue to date.

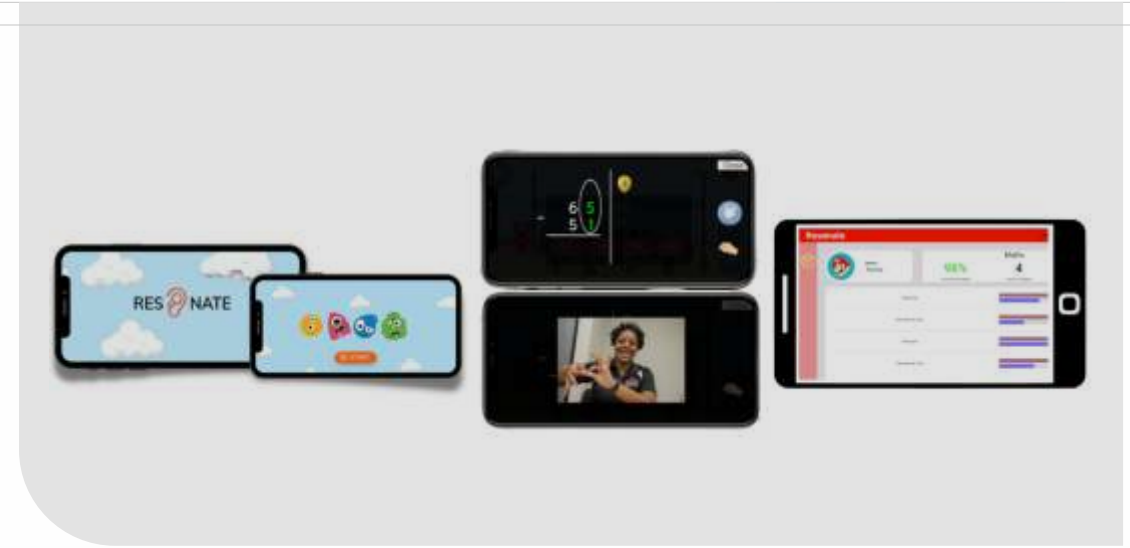# Learn and Empower Pvt. Ltd.

Sector:
EdTech

Stage of Operation
Early Traction

Founder: Amanpreet Chopra
Co-founder: Prabodh Mahajan

www.learnemp.in
amanpreet@learnemp.in

Learn and empower has developed 'Resonate Learning'. It is India's first game-based teaching-learning platform, designed to cater to the learning needs of children with hearing loss.

To make education inclusive, Amanpreet and Prabodh founded 'Learn and Empower Pvt Ltd' – a tech-driven organisation, dedicated to building innovative and accessible solutions.

Their flagship innovation 'Resonate Learning' is India's first game-based teaching-learning platform that has been designed considering the strengths & learning needs of children with hearing loss.

"It enables children to learn, practice and revise concepts and access education in a visual and engaging way in any medium of instruction. As a teaching and home-learning tool, it helps teachers and parents get real-time insights on their child's progress and be equally involved in the learning process," says Amanpreet.

In the next 5 years, the duo aims to improve the lives of 32 million children with hearing impairment through accessible education across the globe.

According to Prabodh, 'Resonate Learning' would have a direct impact on improving the learning ability of children with hearing impairment. "About 99 per cent of hearing-impaired people are either uneducated or a drop-out after class VI or VII because they are not able to cope. Our platform would empower them to continue their learning and the school drop-out of children with hearing impairment would also be curtailed," he says.

The start-up has generated INR 16 lakh.

Lingpad

Sector:
Saas

Stage of Operation
Early Traction

Founder: Ronak Thakkar

www.lingpad.com
ronak@lingpad.com

An AI-powered, cloud-based Translation Management System that provides an all-in-one platform for translation, digital content, and leveraging the translation memory across multiple teams through inbuilt,unique editor.

A stint with the language industry exposed Ronak Thakkar to the challenge of collaborating on multilingual content across teams, and he decided to develop a one-stop system for multilingual needs.

"Lingpad is a cloud-based solution that streamlines localization management for teams. It's the perfect place to effectively manage all of your multilingual content. It would help global businesses manage their multilingual content across their teams, and help them integrate their systems without damaging their brand," he shares.

Lingpad aims to reduce costs by 58% and increase productivity by 42% so that clients can focus on scaling their businesses across the globe!

"It's very inefficient, expensive and non-scalable for global teams to simultaneously work with digital content across tools and languages across all sectors, including Healthcare, Software, Technical, Finance/Banking, Education, Art/Entertainment and Travel/Tourism," Thakkar points out.

The startup helps charities to translate their content at no profit. This helps them in spreading their message at the community level on a wider scale at minimum rates.

"Our product - Lingpad - is an AI-powered, cloud-based Translation Management System that provides an all-in-one platform for managing translation, digital content, and leveraging the translation memory across multiple teams through our inbuilt, unique editor," Thakkar says.

The startup has generated INR 3 lakh thus far.

Litair Solutions LLP

Sector:
Deep Technology

Stage of Operation
Early Traction

Founder: Sachinkumar Shah
Co-founder: Rohan Nadkarni

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sachin@litairsolutions.com

An energy-efficient BLDC Technology. It is working in the Consumer Durable Industry, and has designed and developed its own BLDC controllers for BLDC Motors.

Though BLDC Technology has been in place for years; its end usage has been very limited in the Consumer Durable Industry in India. Sachin & Rohan's entrepreneurial debut LITAIR Solutions thus aims at making optimal use of this technology. Roping in this technology would save huge energy for our country as consumer durable currently consumes significant energy.

"LitAir Solutions LLP is working on energy-efficient BLDC Technology. We are working in the Consumer Durable Industry, and have designed and developed our own BLDC controllers for BLDC Motors. We also manufacture these controllers locally and work towards building a local value chain for this technology," says Sachin & Rohan.

"BLDC Technology saves 50-60% energy compared to the existing Induction motor technology. Thus, there's a huge potential to save energy by using BLDC technology. People used to buy finished products from other countries because there's a lack of value chain in India," he says.

The start-up has generated INR 20 crore thus far and plans to create a local value chain for BLDC technology, electronic controller manufacturing & Permanent magnet manufacturing at the local level.

Prosthetic and orthotic solutions for rehabilitation of patients after surgery or amputation. Lymbedge has two devices under production and planning -- Lower Limb Orthotic Device (Knee CPM Machine) and Myoelectric Hand.

Moved by the pain and problems of people post surgery or those who have to undergo amputation inspired Sarika to look for a solution that would make their life easy. With this thought, she started researching the said area and launched her venture -- Lymbedge LLP.

"Lymbedge Healthcare develops prosthetic and orthotic solutions for the rehabilitation of patients after surgery or amputation. Lymbedge has two devices under production and planning -- Lower Limb Orthotic Device (Knee CPM Machine) and Myoelectric Hand. We are trying to address issues of economically-weaker sections in accessing these devices," says Sarika.

"The Lower Limb Orthotic Device is used to provide bending exercise to patients who have undergone surgeries for knee and ligament injuries and require physiotherapy. Our solution would provide in-home physiotherapy exercises at an affordable rate and prevent any ligament damage after the surgery," she shares.

"We also interacted with physiotherapists and took their help to perform POC trials. The device would help middle-class people cut the cost of physiotherapy exercise by 60% to 80%. It would increase the healing time of patients by 50% which would enhance the adaption ratio of the product," she adds.

The start-up has generated INR 5 lakh since it came into being.

Lymbedge LLP

Sector:
Healthcare

Stage of Operation
Early Traction

Founder: Sarika Chitrodiya
Co-founder: Dinesh Damodar, Umang Suthar

www.lymbedge.com
ptlsarika52@gmail.com

Masterkoder

Sector:
EdTech

Stage of Operation
Growth/Scaling

Founder: Savan Sanandiya
Co-founder: Sameer Hapani, Dharmendra Khandivar

www.masterkoder.com
savan.sanandiya@masterkoder.com

An advanced coding curriculum, developed to make children learn syntax-based coding at an affordable price along with their studies.

That children of lower middle-class families of tier 2 & 3 cities do not lag behind in learning coding skills, Morbi-based teacher Savan and his partners Sameer & Dharmendra designed Integrated Academics-based Coding Learning Program – Masterkoder. Said to be the world's first of its kind, Masterkoder provides an advanced coding curriculum, developed to make children learn syntax-based coding at an affordable price along with their studies.

"We saw a rise of certain companies providing Coding Learning Programs. Sameer and I tried to sell their program to students, but many families found it unaffordable. Also, these companies have been teaching random block-based coding projects. That inspired us to create a platform which is affordable, provides quality education & brings value to the ecosystem of EdTech startups. And MasterKoder came into being," says Savan.

MasterKoder already has 11 schools, comprising 2500+ students, on board. "One of the prominent schools in Morbi Delhi World Public School, which earlier had a tie-up with a giant coding skill provider, is among our early clients. Today, their grade 10 students are developing a project called 'Manufacturing Industries Dashboard'. It will be presented to the DM of the city. That's the change MasterKoder wishes to bring in this market," he says.

The company targets to reach out to 15 lakh schools in India, with a special focus on tier 2, and 3 cities and vernacular schools.

Nature-fit Healthtech Private Limited

Sector:
Healthcare & Lifesciences

Stage of Operation
Growing

Founder: Avneet Bhatia

www.naturefit.in
avneet@naturefit.in

Pioneers of the country's first CAM app, NatureFit is an ultimate hub for natural and holistic healthcare that connects users to 7,000 experienced doctors offering diverse therapies.

"NatureFit addresses critical health challenges by connecting users to a network of 7000+ trusted doctors in natural therapies. Our user-friendly platform ensures easy access to personalized health tools and a curated selection of natural products from 100+ reputable brands. Committed to a preventive well-being approach, NatureFit acknowledges skepticism in Ayurveda and natural therapies due to knowledge gaps and accessibility issues," says Avneet Bhatia, adding that the venture has already gained the trust of over 1 lakh clients.

NatureFit is gearing up for a global expansion over the next five years, aiming to promote the adoption of its products and services worldwide while encouraging a shift from modern medicine.

"Our focus includes accumulating and analyzing data to showcase the actual benefits of our offerings compared to conventional approaches, contributing valuable insights to research endeavors. Beyond outreach, our goal is to deliver lasting health and healing to an increasing number of individuals, building credibility around the Indian system of medicine," says the founder.

"Driven by the vision of fostering a healthier, happier community, NatureFit is more than just a platform; it's a commitment to prioritizing well-being and empowering individuals to embrace a life of vitality," says Bhatia.
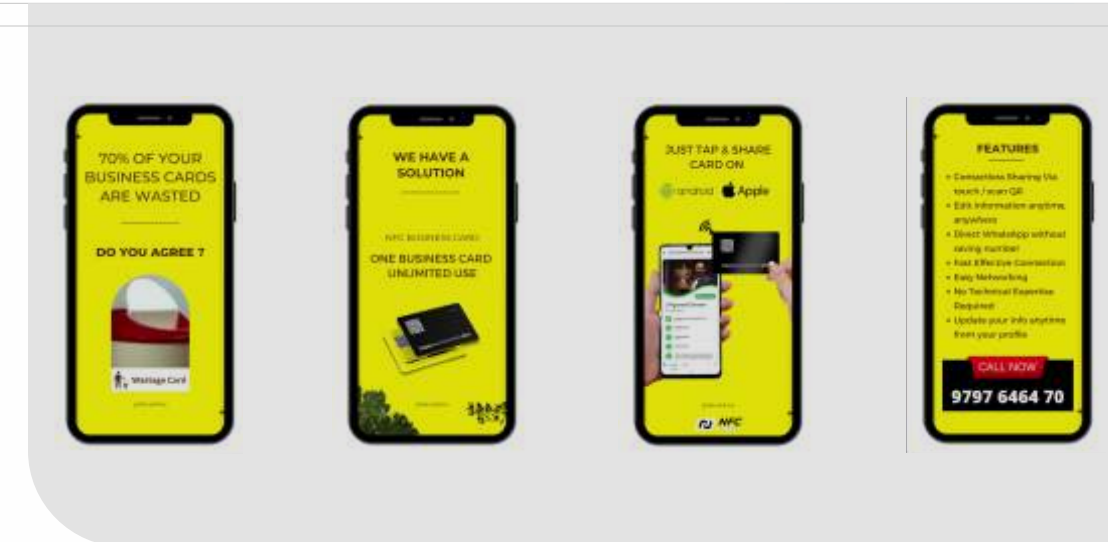
Nfccard.me

Sector:
Information and Communication Technologies (ICT)

Stage of Operation
Early Traction

Founder: Ravi Chovatiya
Co-founder: Bhavik Vala

www.nfccard.me
ravichovatiya96@gmail.com

A smart business card with NFC Technology. It is a Digital card and just a tap behind the phone would share business information within a second.

To save the earth from the waste of printed business cards, Ravi Chovatia and Bhavik Vala designed a smart business card that would work just on a tap.

"We have built an alternate option of printed paper cards. The solution is a smart business card with NFC Technology. It is a Digital card and just a tap behind the phone would share your business information within a second," explains Chovatiya.

More than 70% of business cards go to waste after printing. Each year 100 billion business cards are produced worldwide leading to the potential loss of approaching 6 million trees, says Chovatiya citing a study.

"A small technology can save thousands of trees as well as the environment. Every businessman wants to share information about his business with other people. While the information in printed cards has a limit, NFC has the creative power to share all information in just one tap," says Vala.

The two believe that every businessman should switch over to Smart NFC cards. Their start-up has generated INR 5 lakh so far.
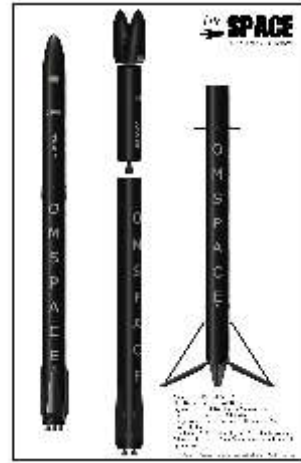
Omspace Rocket and Exploration Pvt. Ltd.

Sector:
Aerospace & Aviation

Stage of Operation
Proof of Concept (PoC)

Founder: Ravindra Raj BM
Co-founder: Shyma Kumar Sharma

www.omspace.in
ceo@omspace.in

Dedicatedly working in the field of Aeronautical/Aerospace & Defence Industry. It is building a rocket named Infinity - One, capable of launching nano & small satellites in Lower Earth Orbit.

Omspace Rocket and Exploration Pvt. Ltd., incorporated as a Private Limited Company in 2020, is dedicatedly working in the Aeronautical/Aerospace & Defense Industry and sector. It has been recognized as a start-up by the Department of Promotion of Industry and Internal Trade.

"Omspace Rocket and Exploration are building a rocket named Infinity - One capable of launching nano & small satellites in Lower Earth Orbit (LEO) at an altitude of 800 km. The key point of our rocket Infinity-One will be its capability for re-launching within 24 hrs," says Ravindra Raj BM.

The start-up, which has partnered with several organizations & institutes, is recognized by Startup India and Supported by Cradle-EDII, DST, Govt of India.

"We are building a Reusable Rocket to carry a payload into Lower Earth Orbit by adopting advanced technology like Advanced Material Composite, Metal 3D printing, Cryogenic Engine, Nano Avionics, and more. We want to make space available for everyone by providing affordable, reliable & efficient launch," says Ravindra Raj.

"In India, only ISRO launches rockets but it too has a limit. While over 1,000 launches are required every year, only 10-20% actually happen. Ours is an attempt to make Bharat Atma Nirbhar space sector," adds the founder. The start-up has generated INR 1 Cr since incorporation.

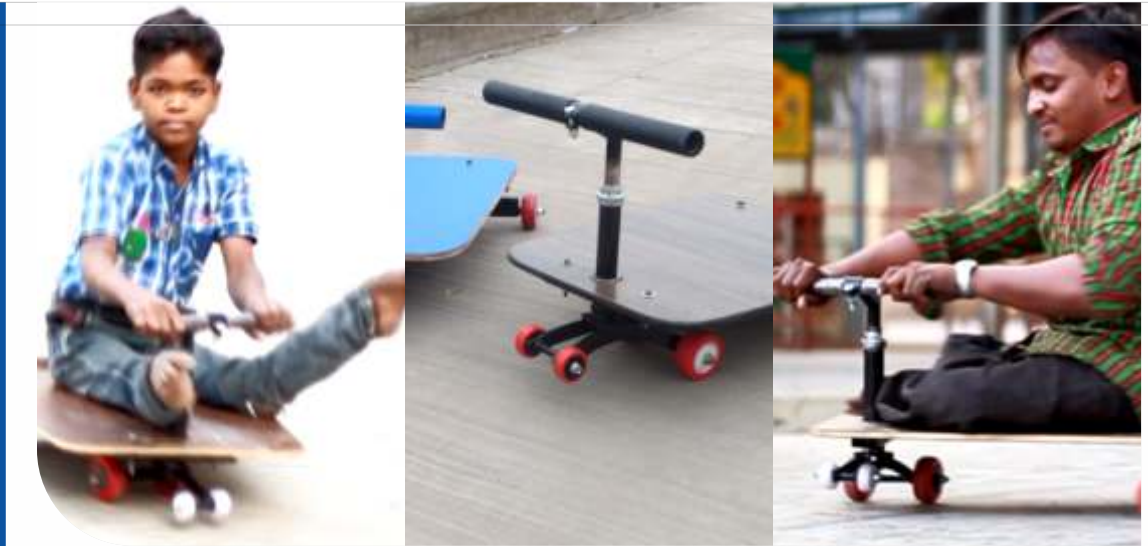## Oneceptual Technologies LLP

Sector:
Social Enterprise

Stage of Operation
Growth/Scaling

Founder: Sumanth Mudaliar
Co-founder: Vishrut Bhatt

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sumanthmudaliar@gmail.com

A device that reduces the daily struggle of people with disability in their legs and provides them with swift mobility.

People with disability in their legs have a challenging life at every step. To make their life easy, Oneceptual has developed Handicare – a device that reduces their daily struggle and provides them with swift mobility.

"We daily see several pedestrians with limb disabilities moving about on roads using a board, pushing it through their hands. These people often have weak hands and suffer pain in their shoulders and spine when they push the board. Not just it is unhygienic, but it causes blisters on hands, cracks on the skin and leaves the clothes torn. To solve this issue, we developed a mobility device called Handicare that addresses all these issues," says Sumanth.

For the past two years, 4,500 people with special needs have been using Handicare.

According to the 2011 Census, there are 54 lakh people with movement-type disabilities in India. " We would like to reach these people in India and then we want to focus on other countries. Our mission is to connect with multiple organizations in the public, private & non-profit sectors to empower the ecosystem that supports inclusive growth and empowerment of the differently abled community across the world," says Vishrut.

The startup has generated INR 30 lakh in revenues thus far.

Prophaze

A cloud-native security solution provider. Its Prophaze WAF is a next generation innovative modal Web Application Firewall which can guard domains from sophisticated, modern-day cyber-attacks.

Sector:
Cyber Security

Stage of Operation
Growth/Scaling

Founder: Lakshmi Das

www.prophaze.com
lakshmi@prophaze.com

Web Applications/APIs are often vulnerable to cyber attacks. Though conventional WAF is deployed for protection, it's time-consuming and involves complex configuration with respect to customer applications.

Prophaze Founders identified this problem and their attempts to provide solutions shaped up Prophaze -- a cloud-native security solution provider. The company is the first across the globe to launch pure Kubernetes-driven SD-WAF.

Prophaze WAF is a next generation innovative modal Web Application Firewall which can guard domains from sophisticated, modern-day cyber-attacks.

"Prophaze WAF can easily monitor, detect and mitigate the attacks in real-time in an unnoticeable fraction of seconds. It can protect all sets of Web API, Web Applications, Mobile Backend Apps, ERP solutions, CRM and many more. So, anything which is exposed to the real world and coming through HTTP traffic, Prophaze can secure that," Lakshmi explains.

"It is the first real-time Automated Cloud Security product company in India with a mission of securing applications against hacking and providing Data Security. Prophaze is the first Indian Company to be listed as innovation leaders along with top 5 Global players in the Web Application firewall sector in 2022 " says Lakshmi proudly.

According to Gartner, 75 % of the applications will be running containerised applications by 2022. "The WAF market is expected to grow to 13+ Billion by 2027 with an expected CAGR of 18.65%," she says on prospects of Prophaze which has raised INR 1 crore revenue so far.

Research Delta Advisors

A database for the pharma industry that can be used as a tool for strategic decision-making. It helps pharma cos in product selection, pharma investors and pharma machine manufacturers.
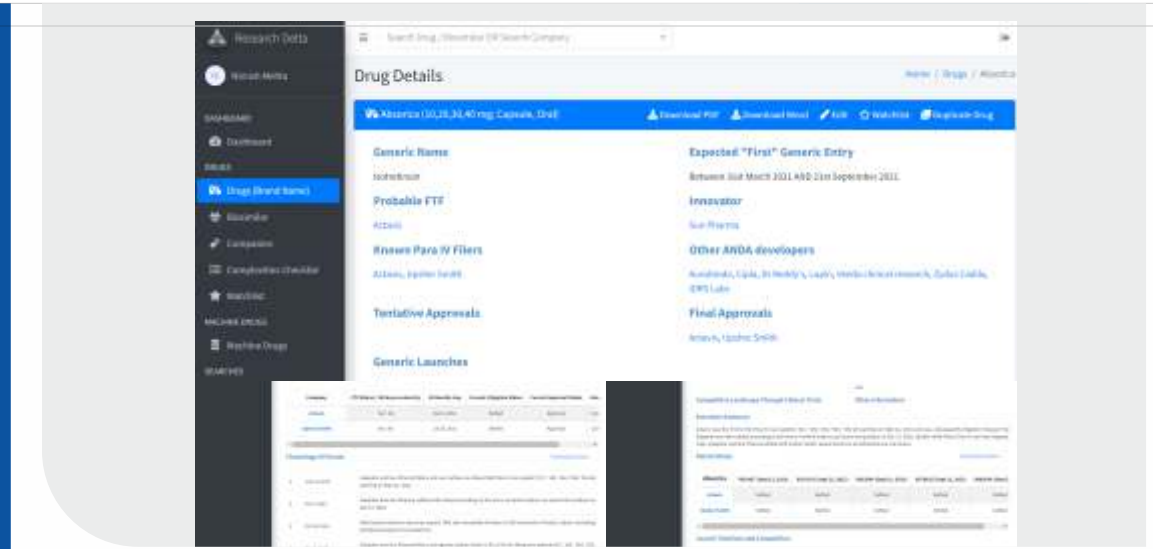
Sector:
Healthcare / Healthtech

Stage of Operation
Early Traction

Founder: Nimish Mehta

www.researchdelta.com
nimish@researchdelta.com

To help pharma cos in taking strategic decisions by providing an affordable and accurate database, pharma analyst Nimish Mehta has launched his business venture -- Research Delta Advisors.

"Research Delta Advisors provides a database for the pharma industry that can be used as a tool for strategic decision-making. Its affordable, accurate and comprehensive database helps pharma cos in product selection, pharma investors in analyzing the potential of a pharma company and pharma machine manufacturers in identifying potential leads for their machines," says Nimish.

"Through our database, many pharma cos and investors have started taking informed investment decisions. In addition, pharma cos also approaches us for consulting projects based on our database. They also have helped large pharma machine manufacturers identify potential customers through our database. In short, pharma cos, pharma investors and pharma machine manufacturers - all have benefited from our databases," he says.

Governments world over announced the opening up of regulatory databases on a digital platform for anyone in the world. "This means that with the help of software, we can create a combination of multiple databases. This, coupled with our understanding of the industry, motivated us to create the database for strategic decision-making in the Pharma industry. So far, no company globally is providing this under a single brand name or company," he says. The start-up has made INR .66.7 lakhs in revenue since inception.

RGET Labs LLP

An efficient Solar Controller/inverter for water pump applications, with a power range of 1 to 10 HP. It supports all existing water pump motors technology that are in use for agriculture & related business.

Sector:
Agritech

Stage of Operation
Minimum Viable Product (MVP)

Founder: Kishan Govani
Co-founder: Parth Trivedi

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govanikishan@gmail.com

Har Ghar paani, Har Ghar Roshni! The vision inspired Kishan and Parth to look for alternatives for grid electricity, and the duo trained their eyes on solar energy for power generation. Their entrepreneurial venture RGET Labs has indigenously developed an efficient Solar Controller/inverter for water pump applications, with a power range of 1 to 10 HP. It supports all existing water pump motors technology (AC & DC) that are in use for agriculture & related business. Lightweight and mobile, it can easily be moved anywhere.

"India has a huge source of solar energy but hasn't been able to make optimal utilization of it. A major part of rural India is still dependent upon grid electricity for agriculture, drinking water and other needs. Also, the power supply is higher in developed areas, making remote places highly dependent on rainwater & other dated methods. Due to this, farmers' earnings have not improved," says Kisan.

RGET offered solutions are low-cost, mobile and protected. "People can use our products as per their requirements – be it for micro irrigation, drip irrigation, sprinkling, spraying in agriculture or for drinking water. They can also be used in water pumping, heater and aerator for fish ponds, cold storage or milk chiller. It can be used as a chaff cutter and thresher as well. We are planning to introduce more applications by adding new features to make life easy and convenient for all in every aspect.

Safarnama

Sector: Supply Chain Management & Logistics

Stage of Operation
Proof of Concept (PoC)

Founder: Kushagra Singh
Co-founder: Dipanjan Mandal, Sidharth Yadav

www.safarnama.site
kush795@gmail.com
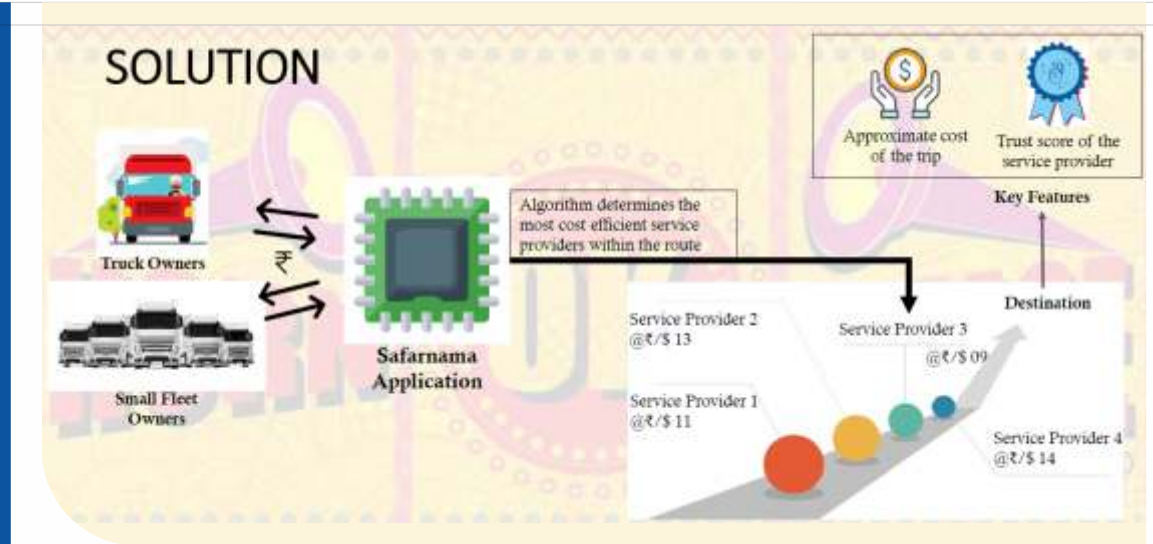
Virtual access to scale to small fleet operators in the Indian logistics industry so that they can get access to the same benefits that the big operators have.

The increasing cost of fuel and the impact it has on the most suppressed section of the industry motivated Kushagra Singh, Dipanjan Mandal and Sidharth Yadav to act as a beacon of change for small operators and the trio created 'Safarnama'.

"Safarnama aims to provide virtual access to scale to the small fleet operators in the Indian logistics industry so that they can get access to the same benefits that the big operators are already enjoying. We have the potential to even the playing field for the small players and allow them to compete with the larger players," says Singh.

"Small truckers do not have access to info like where they get the cheapest fuel on their route. Similarly, small players in the industry do not have access to preferential pricing or credit, and they have to pay for refuelling in real-time. They also pay more for vehicle insurance compared to big players. These are the issues we are targeting to fix," says Mandal.

"We are trying to even the playing field for small players and allow them to compete with the larger players by providing them virtual access to scale. We will be able to induce fair competition into the industry," says Yadav.

SAMNIYA, a technology company, uses IoT for business success by building system. It's an initiation form like-minded technology experts from all major industry segments to support customers with expert solutions.

"We extend our support to the industries like Aerospace, Automotive, Railways, Industrial Automation and IT Industries. We have a right blend of enthusiastic and experienced engineers in the domains of Structural/ component/Tools Engineering, Software Engineering, Embedded Engineering, Wire Harness Fabrication, Test Systems & Solutions and Talent Management," says lakshmikanth Gontumukkala.

SAMNIYA also builds Avionics systems and subsystems for Aircrafts, UAVs & Drones, Designed Manufactured Rotary Electro-Mechanical Actuator and Qualified for Airworthiness for an UAV and design Servo controllers for Actuators.

"We observed many startups building drones or working on UAVs & Aircrafts by integrating the imported Avionics systems, so we decided to start building Avionics systems and subsystems in India itself," says the founder.

"We want to reduce import of foreign material in Avionics systems & Test systems and wire Harness / Interconnection systems. And thereby we want to build a completely indigenized UAV / Drone with 100% home grown technology," Gontumukkala says.

Samniya Avionics Techsys Private Limited

Sector:
Embedded Electronics, Avionics & systems

Stage of Operation
Growth/Scaling

Founder: Lakshmikanth Gontumukkala

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Sensietech Pvt. Ltd.

Sector:
Clean technology

Stage of Operation
Early Traction

Founder: Varun Patel
Co-founder: Ankit Singh

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varun.patel@sensietech.com

Assisting companies to achieve lean efficiency in supply chain and optimize business processes. i-elektrik, a turnkey EV Charging Solutions Provider by Sensitech, has been helping fleet operators, last-mile delivery providers, commercial spaces, residential apartments, and charge-point manufacturers.

By winning 'Best EV Infrastructure Provider of the Year' award in the first year of operations, Sensietech has already cemented its position among the most promising Energy & Utility Tech Companies of the country. i-elektrik, a turnkey EV Charging Solutions Provider by Sensitech, has been helping fleet operators, last-mile delivery providers, commercial spaces, residential apartments, and charge-point manufacturers fast-track the transition to sustainable, efficient, and affordable means of transportation.

Specializing in ARAI and OCPP-Complaint Charging Solutions, the company is contributing significantly to the country's EV charging ecosystem.

"Sensietech assists companies to achieve lean efficiency in supply chain and optimize business processes. It supports controlling, reducing and optimizing overhead costs of procurement, processing, logistics and storage using IoT Technology. We help companies narrow their downtime costs through multiple data logic of critical input/output parameters of critical components ensuring real-time monitoring & corrective measures within any industrial setup," says Varun.

The company has been actively working with Gujarat Pollution Control Board in GIDC, Naroda.

"i-elektrik has managed to garner a major chunk of the attention amongst all the new-age tech startups from Gujarat at several clean technologies & renewable energy conventions," says Ankit.

The company has generated more than INR 1.55 crore in revenue since the launch.

Sperotel Technologies LLP

Sector:
Information and Communication Technologies (ICT)

Stage of Operation
Early Traction

A powerful team messaging and collaboration application that keeps one connected with the team. A user can share documents, files & images with content sizes as large as 5GB.

To address the rising concern about privacy & security of users and their data, Jay, Hinal and Godson floated their entrepreneurial venture -- Sperotel Messaging, a powerful team messaging and collaboration application that keeps you connected with your team.

"Sperotel's technology works on DNS, just like emails and websites, giving complete control to organisations. All the messages are end-to-end encrypted by default. User can share documents, files & images with content sizes as large as 5GB. Sperotel helps a team communicate in real time and make decisions faster. Different space for each department allows users to collaborate effectively," says Jay.

On-field or On-desk, Sperotel makes it easier for employees to share information while maintaining confidentiality and being compliant at the same time

"Parties must have sovereignty over their digital data. Having an effective data protection policy is one thing, but ensuring that every member of your company follows it is another," Hinal elaborates.

Sperotel also creates a better learning experience in distance learning. "Sperotel allows educators to explore new territory and create a separate space for each program. It helps improve coordination between students and teachers," says Godson.

Founder: Jay Desai
Co-founder: Hinal Prajapati, Godson Gera

www.sperotel.com
jay@sperotel.com

SRP Crane Controls (India) Pvt. Ltd.

Sector:
Manufacturing

Stage of Operation
Growth/Scaling

Premium class industrial crane wireless remote control and customized remotes for all industries like automotive, mining, general manufacturing and shipyards, etc.

Material Handling Industries are heavily dependent upon products that come from China and other European countries. With a determination to develop Industrial Crane Control Remotes and upgrade Crane Industries in India by using advanced technology, Kushalkumar and Ashwin founded SRP Crane Controls Pvt Ltd.

"We are manufacturing premium class industrial crane wireless remote control and customized remotes too. They are being used in all types of industries like automotive, mining, general manufacturing and shipyards too. It was a really difficult job but we finally made it. We want to make more models. Designing and delivering the best in class material handling solutions and contributing to nation-building is our vision," Kushalkumar says.

SRP Crane Controls provide increased safety features and provide freedom from importing costly products from other countries. It's time and cost effective as well.

"With wireless remote controls, we are providing safety to human life. Because it is made in India, it saves import costs. Our standards are global and we provide solutions in as early as two days. Earlier, foreign products would take about a month to arrive," adds Ashwin.

The company, which has generated about INR 3 CR thus far very quickly, will provide employment to more than 250 technicians and engineers over the period of 5 years.

Founder: Kushalkumar Khanpara
Co-founder: Ashwin Khanpara

www.srpremote.com
info@srpcranecontrols.com

StudentInk

Sector:
EdTech

Stage of Operation
Growth/Scaling

Founder: Jayraj Jadeja
Co-founder: Nihar Sheth

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nihar@student.ink

A platform where students, teachers, and educational institutes can connect, communicate and collaborate to showcase their skills, seek unbiased feedback and learn in a collaborative way with like-minded people.

Connect, communicate and collaborate – Jayraj and Nihar have brought together three crucial 'C's to empower the student community by setting up a platform called StudentInk.

"StudentInk is a platform where students, teachers, and educational institutes can connect, communicate and collaborate to showcase their skills, seek unbiased feedback and learn in a collaborative way with like-minded people. They can stay in touch with schools, colleges and universities and build their own profiles to connect with educators, and be aware of the latest things that are happening in the world of education" says Jayraj.

"We plan to make this a global platform where students from across the world can connect and learn together by sharing ideas and opinions about various topics and content. We now have over 8,00,000 students, parents, educators and nearly 500 schools and colleges that use our platform where people from various parts of the country can connect and collaborate effectively," says Nihar.

StudentInk has generated INR 1 crore since its inception.

Sunbots Innovations LLP

Sector:
Social Enterprise

Stage of Operation
Proof of Concept (PoC)

Founder: Suket Dipak Amin
Co-founder: Deep Parmar

www.sunbots.in
suket.amin@sunbots.in

Working towards the development of Assistive Wearable Devices for visually impaired by translating visual information into audio. Sunbots uses Artificial Intelligence with edge processing on the user's smartphone.

To make lives of the visually challenged more independent, Suket Dipak and Deep decided to develop a device that would translate visual information into audio. And the two formed Sunbots Innovations.

"Sunbots is an early-stage startup working towards the development of Assistive Wearable Devices for visually impaired by providing them real-time information by translating visual information into an audio form in the desired language of users. Sunbots uses Artificial Intelligence with edge processing on the user's smartphone," says Suket.

"Visually impaired people find it challenging adjusting to a rapidly changing environment due to lack of real-time detailed information of their surroundings. This device would reduce their dependence on others for their day-to-day activities," he adds.

One night Suket heard a Bang, Followed by a scream from his wife, " Suket I cannot See". Very casually he replied, " I'll make smart glasses for you to see". That day he realised that by working in camera vision space, he could create a low-cost solution that could benefit many people with visual disabilities in having a better life and independent freedom in doing things that could not be done earlier.

"We have tested our device on a few. It has instilled confidence among them and increased their ability to finish their daily tasks without help," shares Deep.

Suvit Fintech Pvt. Ltd.

Sector:
FinTech

Stage of Operation
Early Traction

Founder: Ankit Virani
Co-founder: Kalpesh Zalavadiya

www.suvit.io
ankit@suvit.io

An all-in-one platform that makes financial data processing easy. It is a universal platform for integration of various accounting and tax programs into a single office environment.

Be you a taxpayer or a tax expert, 'Suvit' provides a convenient open architecture for processing huge financial data flows and automating finance management processes. Created by Ankit and Kalpesh, Suvit is an all-in-one platform that makes financial data processing 'cool'.

"Suvit is a universal platform for integration of various accounting and tax programs into a single office environment. It helps you stitch together a seamless journey in managing financial data and operations through a single platform," says Ankit.

The duo wants to streamline the accounting process. This includes seamlessly adapting Tally to non-Tally Software like Quickbook and Miracle, streamlining communication with business owners and automating data entry. This will enable the finance department and tax consultants to focus their energies better on compliance and long term planning.

"Suvit is focused on making the accountants more efficient rather than bypassing them. Our Aim is to make an Accounting practice at a CA, Tax consultant or in a SMB 10x efficient by automating day to day tasks so that they have more time for communicating with their business partners," says Kalpesh.

Also, Suvit is an all-in-one platform where Tax Experts, Taxpayers and Government bodies all connect at a single platform and it leads to true digitization of finance data.

The start-up has generated INR 32 lakh in revenue since its launch.

Swap Automotive Private Limited

Sector:
Automotive

Stage of Operation
Minimum Viable Product (MVP)

Founder: Vedansh Thakur
Co-founder: Abbas Zuzarbhai Limdiwala

www.swapev.in
info@swapev.in

A group of automotive engineers, while looking for a solution to rising pollution and ever-increasing fuel price, came across a sustainable and quick-fix idea: convert petrol two-wheelers into electric two-wheeler. And their thoughtful venture took the shape of Swap Automotive EV Conversion.

- "Not just rising fuel rates and pollution, mileage issue and scrap policy also bother riders. Besides, not everyone find expensive EV in their budget. Hence, we thought of coming up with a solution that can convert the existing petrol vehicle into EV. That's how our product came into being," says Vedansh Thakur.

- The venture has already won two national awards. It's also the winner at an all-India Electric Two-Wheeler Design and Manufacturing competition - organized by SAE INDIA.

- "Our vision for the future is to continue developing new and innovative products that advance the technology of EV conversion. Our mission is to make EV conversion accessible and widely used in order to promote sustainable mobility and battle climate change," said Thakur.

- "We have started marketing of our product and enquires are rising by the day. Our solution/product would help reduce pollution significantly as converted EV vehicles would leave zero emission. It will also help people save money as they can convert their vehicles into electric two-wheelers," he said.

Trium Designs Pvt. Ltd.

Sector:
Augmented & Virtual Reality (AR/VR)

Stage of Operation
Early Traction

Founder: Ankit Patel
Co-founder: Sanket Kale

www.vuexr.com
ankit.patel@triumdesigns.com

A VPS & GPS-based AR & VR Media sharing platform. Developed by Trium Designs Fintech Systems, it is a free of cost XR content publishing platform for the 3D community.

Envisioning the future of mainstream media, Ankit and Sanket have created a VPS & GPS-based AR & VR Media sharing platform – VueXR – a free of cost XR content publishing platform for the 3D community.

"At VueXR, creators from around the globe can upload and share 3D animated XR media content while viewers can browse and experience them on their own smartphones using the VueXR app available for free in the Google play store and apple app store. Creators can create their own XR media channel and publish 3D media content on VueXR in AR or VR on Android, iOS, Web and HMD devices," says Ankit.

VueXR provides an online XR portfolio management system for every creator with a public profile for the XR artwork showcase. Creators can just publish once and users can view it on all available platforms.

"Creators can manage the XR media content in their profile using VueXR Rig(Unity 3D plugin), website and mobile app. VueXR provides content creators with the liberty to create 3D assets in any 3D editor software and showcase them in AR or VR and boils down XR media publishing steps to just #create, #upload and #share," says Sanket.

VueXR is being used for product demos, engineering presentations, entertainment, education and much more. It has allowed creators to earn by providing XR content services to businesses. Thus far, the venture has generated INR 40 lakh in revenue.

Tsalla Aerospace Technologies Pvt. Ltd.

Sector:
Aerospace & Aviation

Stage of Operation
Minimum Viable Product (MVP)

Founder: Vinayak S Tsalla
Co-founder: Dr. T S Narayana

www.tsallaaerospace.com
vinayak@tsallaaerospace.com

Focused on research, design, development, fabrication and integration of Unmanned Aerial Systems. Its core capability is to develop sustainable military and industrial grade products, with certain redundant systems.

Inspired by flying machines and driven by a passion for product development, a team of dedicated aerospace and aeronautical engineers have been working under the aegis of Tsalla Aerospace Technologies Pvt Ltd – launched and helmed by Vinayak S Tsalla and Dr. T S Narayana.

Tsalla Aerospace is an Indian Institute of Science Incubated aerospace startup focused on research, design, development, fabrication and integration of Unmanned Aerial Systems.

"Our core capability is to develop sustainable military and industrial grade products, with certain redundant systems. Our systems include multirotors, fixed wings and VTOL systems with payloads ranging from 100 grams to 100 kg catering to various civilian and defence applications. With in-house design and manufacturing capability, they are uniquely positioned to offer a complete design, prototyping and production service for those with a specific requirement," Vinayak Tsalla shares.

"The long term goal is to manufacture reliable and easy-to-use systems for defence that provide accurate data at fraction of cost, at their fingertips without risking the lives of the military personnel. We aim to work with other businesses involved in surveying and mapping that can adopt technology to solve problems in the most effective and accurate way," Dr. Narayana says.

The start-up has generated INR 15 lakh in revenue.

TSAW Drones

Sector:
Supply Chain Management & Logistics

Stage of Operation
Early Traction

Founder: Kishan Tiwari
Co-founder: Rimanshu Pandey

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kishan@tsaw.tech

Creating a network of drone corridors as an alternate and faster mode of transportation to help reach remote locations with ease. It has connected remote Community Health Centres to Primary Health Centres for hurdle-free quick delivery of medicines, vaccines, etc.

Fascinated by the Unmanned Ariel Vehicle technology – Drone, Kishan and Rimanshu founded TSAW Drone with a view to creating a network of drone corridors as an alternate and faster mode of transportation to help reach remote locations with ease.

"We wanted to use Drone technology as a solution provider for logistics and transportation to cater to emergency and daily needs. This would save time, cost and ensure last-mile delivery smoothly," says Kishan.

"We were fascinated by the potential of Drone technology. We made up our minds to make the most of this technology to serve humanity to the best of our capacity," says Rimanshu.

Elaborating on the network their start-up has created, Rimanshu says that TSAW Drone has connected remote Community Health Centres (CHC) to Primary Health Centres (PHC) for hurdle-free quick delivery of medicines, vaccines, etc.

Discussing the potential impact of their start-up in the next 5 years, Kisan says: "All remote villages and cities can be connected with metro/tier-1 cities within an hour. Goods and items can be delivered across India in a day, enabling increased commercial activities and overall wealth increase for Indians."

Rimanshu says that TSAW Drone has connected remote and hard to reach villages to Primary distribution centers for hurdle-free quick delivery of medicines, vaccines, etc.

Unidiversity Global LLP

Sector:
Service

Stage of Operation
Early Traction

Founder: Meet Shukla
Co-founder: Shweta Upadhyay

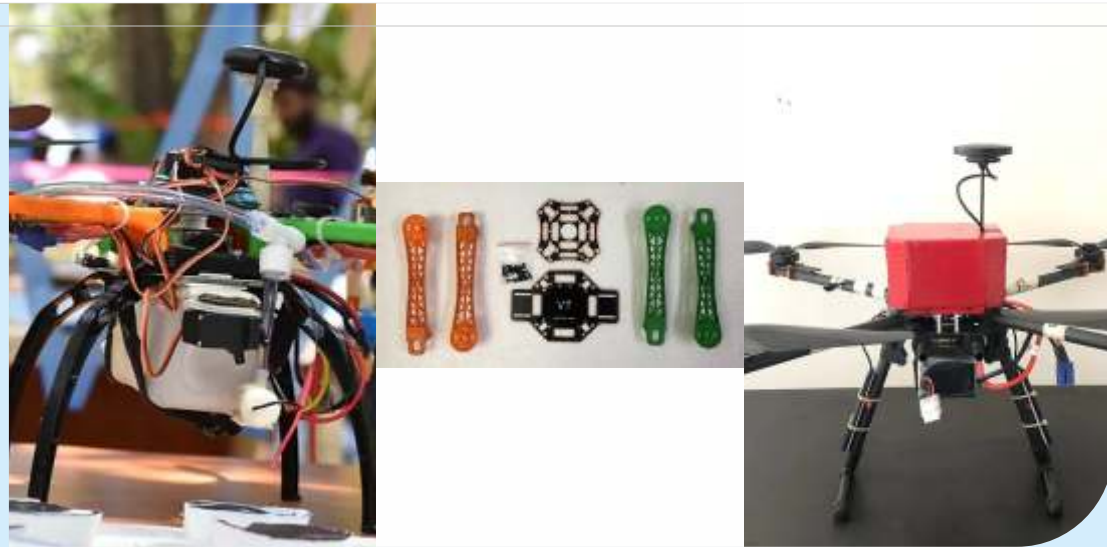www.vibrantdigitalplatform.com
meetshukla@gmail.com

A smart 360° solution focusing on delivering and managing events for small-scale industries and large-scale enterprises, with hybrid options available.

Meet Shukla and Shweta recognised the sudden surge in demand for digital software platforms and event hosting solutions and seized the opportunity to establish Unidiversity Global. Their flagship product, the Vibrant Digital Platform (VDP), is a comprehensive 360° solution that caters to both small-scale industries and large-scale enterprises, with hybrid options available.

"Our product -- Vibrant Digital Platform (VDP) -- is a smart 360° solution focusing on delivering and managing events for small-scale industries to large-scale enterprises virtually. Hybrid solutions are also available. The platform provides a user-friendly modern interface to handle and manage participant events. It has a well-designed user interface for visitors. We have made the solution scalable, viable, and affordable for every segment and vertical of business," says Meet.

"VDP was originally developed for our internal usage after finding that existing solutions on the market were prohibitively expensive. So, we wanted to create a scalable pocket-friendly product," he adds.

'Every company, institute or individual who intends to run a full-fledged virtual event, fair or exhibition will have a front end white labelled solution. They do not need to come with any expertise, as we provide all services along with the platform. The entire solution is extended up to hybrid events, where the digital extension of the physical event is given here," says Shweta, adding that they have earned Rs. 16 lakhs so far.

Vimaana Aerospace Technologies LLP

Sector:
Aerospace & Aviation

Stage of Operation
Minimum Viable Product (MVP)

Founder: Mridul Jain
Co-founder: Vishwani Aggarwal

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mridul.jain@vimaanatech.com

Manufacturing drones for different applications like Surveillance, Surveying & Mapping, Logistics and Agriculture. Its Jatayuh 1.0 is a high-end tech-based drone, a perfect solution for surveillance, surveying and mapping. Krishak 1.0 is an agriculture-based Drone solution.

Spiralling cost of Drones components in the wake of souring Indo-China ties inspired the founders to set-up in-house manufacturing units to ensure cost-effective, easily available, uninterrupted supply.

"Vimaana Aerospace Technologies is a DPIIT, MSME and StartinUP recognized startup organization formed with a goal to unfasten dependency on China and other countries for Drone parts and electronics. We started manufacturing Drone structural frames VT400 in India which were being imported from China for the last 12 years. We are also manufacturing Carbon Fiber tubes and sheets to cater to the requirements of drone manufacturers in India. Besides, we have also rolled out Li-ion batteries to cater to EV industry requirements," says Jain.

Vimaana has been manufacturing drones for different applications like Surveillance, Surveying & Mapping, Logistics and Agriculture.

"Jatayuh 1.0 is a high-end tech-based drone which has a swappable payload feature which makes it a perfect solution for surveillance, surveying and mapping. Krishak 1.0 is an agriculture-based Drone solution for providing precision spraying of fertilizers and pesticides. We have started training and learning programs for students and individuals on Drone manufacturing and electronics integration to help them make careers in the Aerospace sector," says Aggarwal.

The startup has netted over Rs 14 lakh in revenue since its launch.\

VR UPCHAR Private Limited

Sector:
Healthcare

Stage of Operation
Minimum Viable Product (MVP)

Founder: Jeet Jhaveri
Co-founder: Bhoomi Jhaveri

www.vrupchar.com
Jeet@VRupchar.com

VR UPCHAR's solutions alleviate patients' pain & anxiety who undergo medical procedures through virtual reality. It works as a relaxation tool for medical staff to combat stress, anxiety by immersing themselves in breath-taking virtual environments.

VRupchar is at the forefront of introducing Virtual Reality therapeutics into the Indian Clinical settings. It is working towards enabling the Indian healthcare sector with the best practices regarding the use of Immersive therapeutics in routine medical practice. It is providing proven and clinically validated XR therapies designed by the world's leading experts and deploys them across healthcare institutions.

"Our solutions alleviate patients' pain & anxiety before, during, and after various medical procedures through virtual reality and work as a relaxation tool for medical staff to combat stress, anxiety, and burnout by immersing themselves in breath-taking virtual environments," says Jhaveri.

"Medical Extended reality (AR/VR/XR) is a new field of therapeutics now recognized by the U.S. FDA. We are focused on implementing and distributing immersive therapies into the Indian healthcare system and providing a deeply Researched and Evidence-based Therapeutic Virtual Reality Platform. We want to start a 'Centre of Excellence for Immersive therapeutics' in association with medical research institutes to have a long-term collaboration for the development, design, testing, and co-creation of immersive therapeutics," he adds.

"We are developing a unified medical metaverse platform with a wide variety of use cases, such as applications to decrease pain, anxiety, and medication, or using VR simulations for patient education and training of medical professionals," he says.

Xenhester Innovation Pvt. Ltd.

Sector:
Defence

Stage of Operation
Early Traction

A Motor Design and Manufacturing company working for both Emerging and Non-emerging sectors through Product & Service. It specialises in Drone and Electric Vehicle Motors.

Xenhester is Motor Design and Manufacturing company working for both Emerging and Non-emerging sectors through Product & Service. Company is India's 1st Drone Motor Manufacturing company which has launched product during India's biggest drone expo "Bharat Drone Mahotsav 2022" in the auspicious presence of Shri Narendra Modi at New Delhi.

"In product, we specialise in Drone and Electric Vehicle Motors. In service, we Enable the existing Motor Manufacturers to upgrade their Manufacturing Capabilities to BLDC, PMSM and SRM motor technology via Technology Transfer," says Milan Hansaliya..

"Air pollution is on the rise and the most polluted cities are in India. But people are not forthcoming in adopting technology like BLDC, PMSM and SRM which are more efficient and has lower carbon foot print. We enable the one who don't want to miss out an early mover advantage in commercialisation." he added.

"In the next five years, we will be India's reputed Drone motor brand. India would get 100% Made-in-India Drone through our motors. We want to be an exporter of Drone motors and also plan to provide a service network PAN India. Electric Vehicle Motor Manufacturing also interests us. We would create more than 500 employment opportunities in five years," says Jaydeep Viramgama.

Xenhester is working with 10+ Drone Manufacturers for 100% Made in India Drone alongside transferred technology to a reputed Motor Manufacturing Company incorporated in 1985. Company has generated nearly INR 12.50 lakh in revenues so far.

Founder: Milan Hansaliya
Co-founder: Jaydeep Viramgama

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i-Hub
New Building

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