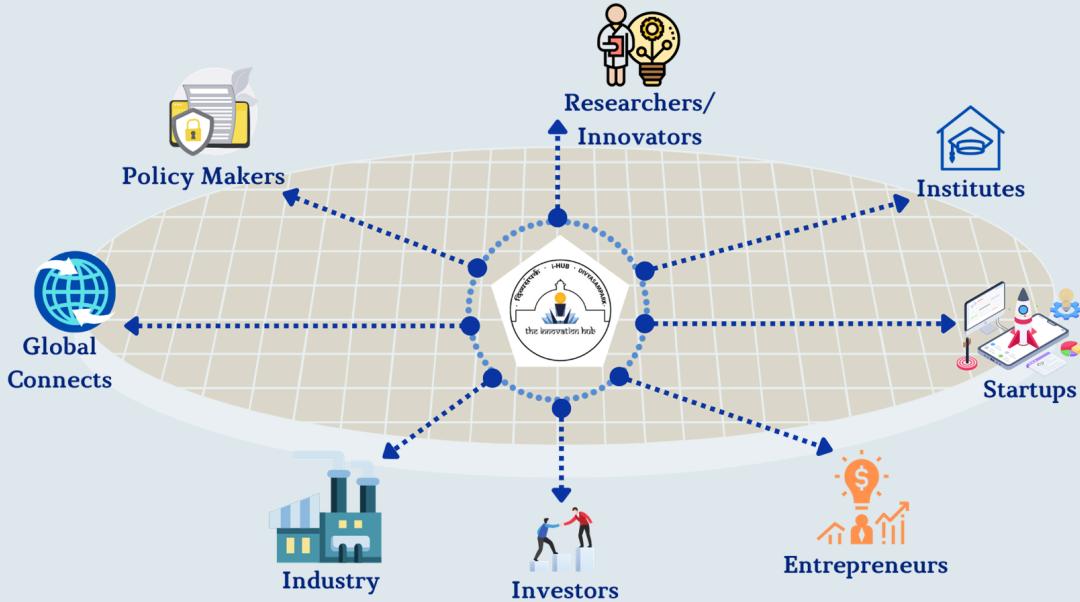




**iHUB DivyaSampark**

# iHUB DivyaSampark, Technology Innovation Hub @ IIT Roorkee

## Building Innovation Tribe

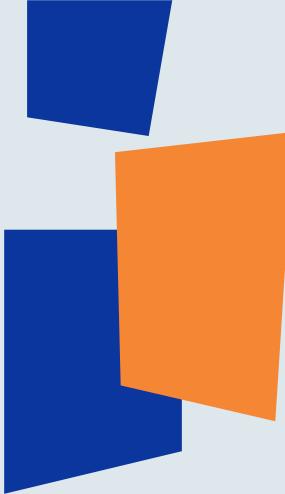


A joint initiative of  
Department of Science and Technology, Government of India  
and  
IIT Roorkee

iHUB DivyaSampark Office  
Hobbies Club, IIT Roorkee,  
Roorkee, Haridwar, Uttarakhand -247667

For more details, please visit our website



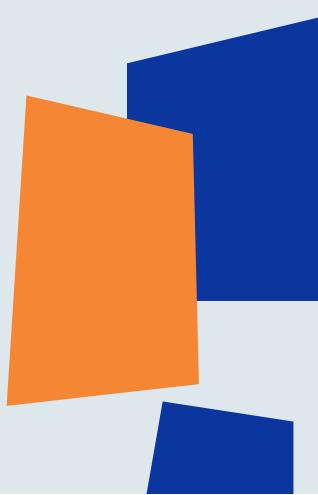


# PREFACE

Dear Reader, Welcome to the brochure of startups incubated at iHUB DivyaSampark, a technology innovation hub that nurtures and supports innovative ideas and entrepreneurial spirit. We are proud to present to you a glimpse of the amazing startups that have been incubated at iHUB DivyaSampark and are making a mark in their respective industries.

iHUB DivyaSampark is committed to fostering a culture of innovation and entrepreneurship, and we believe in providing the necessary resources, guidance, and mentorship to help startups transform their ideas into successful businesses. Our incubation program is designed to offer startups the right environment to ideate, experiment, and collaborate with like-minded individuals, entrepreneurs, and experts. The startups featured in this brochure are a testament to the success of our incubation program. They are revolutionizing their respective industries, creating innovative solutions, and making a difference in society. From healthcare to education, from agriculture to e-commerce, our startups cover a broad range of sectors, and their ideas are transforming the way we live and work. We hope that this brochure gives you a glimpse into the exciting world of innovators at iHUB DivyaSampark and inspires you to join us on our journey to foster innovation, entrepreneurship, and social impact on society. Thank you for your interest in iHUB DivyaSampark.

Sincerely, iHUB DivyaSampark Team



## ACKNOWLEDGMENT

We would like to express our sincere appreciation and gratitude to all the startups that have been incubated at iHUB DivyaSampark, Technology Innovation Hub. Your passion, creativity, and hard work have inspired us to create a platform that fosters innovation and entrepreneurship.

We would also like to extend our gratitude to the department of science & technology, the government of India, mentors, advisors, and investors who have supported the startups at iHUB DivyaSampark. Your guidance, expertise, and financial assistance have helped to shape the startups and make them successful.

Finally, we would like to thank the entire team at iHUB DivyaSampark for their tireless efforts and hard work in making this incubation program a success. Your dedication, passion, and commitment have made it possible for these startups to thrive and succeed.

Once again, thank you to all the department of science & technology, startups, mentors, advisors, and the iHUB DivyaSampark team for your contributions and support. Together, we can continue to create a world-class ecosystem for innovation and entrepreneurship.



## EDITORIAL TEAM:

PROF. SUDEB DASGUPTA

PROJECT DIRECTOR

IHUB DIVYASAMPARK @ IIT ROORKEE

MR. MANISH ANAND

BOARD MEMBER AND CHIEF EXECUTIVE OFFICER

IHUB DIVYASAMPARK @ IIT ROORKEE

MS. ISHITA MONGIA

ASSISTANT MANAGER (HR & MARKETING)

IHUB DIVYASAMPARK @ IIT ROORKEE

MS. RENUKA KOLLATI

ASSOCIATE (TECHNICAL)

IHUB DIVYASAMPARK @ IIT ROORKEE



BUILDING AN INNOVATION TRIBE

# CONTENT



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1	PaiByTwo Pvt.Ltd
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5	Adeo Distinctions& dimensions Pvt.Ltd
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11	Vignam Labs Pvt.Ltd
12	Nexactly AI Solutions Pvt.Ltd
13	Continuum Research & Development Pvt.Ltd
14	Calibr (Brainhive solutions Pvt.Ltd)
15	Spirinova Technologies Pvt.Ltd
16	Jyoma Solutions Pvt.Ltd
17	Evolved Transportation System Pvt.Ltd
18	Pherious Inventions
19	Dheya Engineering Technologies Pvt.Ltd
20	Nextup Robotics
21	Smarteralpha Pvt.Ltd
22	TechXR Innovations Pvt. Ltd.
23	Unscene Innovations Pvt. Ltd.
24	IDR R&D Development Pvt. Ltd.

# Contact Details

S.NO	NAME OF STARTUPs	CONTACT	MOBILE NUMBER
1	PaiByTwo Pvt. Ltd.	contact@paibytwo.com	9654256896
2	Ballice smart devices Pvt.Ltd	info@ballice.com	7451815486, 9837553399
3	TEQBOT innovations Pvt. Ltd.	vijay@theteqbot.com	9837554414
4	Linearized Amplifier Technologies Pvt.Ltd	karunrawat@gmail.com	8585992445
5	Adeo Distinctions& dimensions Pvt. Ltd.	info@1stZoom.com	8197455420
6	Smart Diet Planner	puneet.manchanda@smartdiet planner.com	9711944943
7	Dtown Robotics Pvt. Ltd.	official@dtownrobotics.com	9690829531
8	CogXR Labs Pvt.Ltd	v_pandey@cs.iitr.ac.in	8369716839
9	Ewigway Technologies Pvt.Ltd	evigway@gmail.com	8860460842
10	Theranautilus Pvt.Ltd	debayan@iisc.ac.in	8910740066
11	Vignam Labs Pvt.Ltd	sharma.vibhu101@gmail.com	9650488030
12	Nexactly AI Solutions Pvt.Ltd	shyamp0099@gmail.com	9601971754
13	Continuum Research & Development Pvt. Ltd.	santosh.kumar@continuumrse arch.com	9972634088
14	Calibr(Brainhive solutions Pvt.Ltd)	umesh@calibr.ai	9886756968
15	Spirinova Technologies Pvt.Ltd	amit@spirinova.dev	8287656534
16	Jyoma Solutions Pvt.Ltd	prashant.jyoma@gmail.com	8882186690
17	Evolved Transportation System Pvt.Ltd	evolvedsystem@gmail.com	9999408749
18	Pherious Inventions	pheriousinventions@gmail.com	9646846855
19	Dheya Engineering Technologies Pvt.Ltd	gurushankara.kc@dheyatech.co m	9632128866
20	Nextup Robotics	nextuprobotics@gmail.com	8076369462
21	Smarteralpha Pvt.Ltd	ramesh@smarteralpha.co.in	9652791115
22	TechXR Innovations Pvt. Ltd.	prashant@techxr.co	8889500018
23	Unscene Innovations Pvt. Ltd.	cephasjoe@proton.me	6361366542
24	IDR R&D Development Pvt. Ltd.	info@idrrnd.com	7827479788

PaiByTwo was founded by the Research scholars at IIT Roorkee. The founders have strong research and technical backgrounds with several publications and copyrights under their names. PAIBYTWO stands for 'Pitching Artificial Intelligence Before You Together With Opportunity' as its vision is to provide opportunities to enhance AI learning opportunities and services through our research and development. It consists of a group of passionate researchers specializing in providing quality training to build Artificial Intelligence Skills and developing products in Artificial Intelligence and Robotics.

**Founders:** Gaurav Bhardwaj

**Problem Statement:** The major problem in the case of agricultural terrain is its uneven nature and loose soil with different properties in different regions. Hence, it becomes more difficult for a biped robot to perform a stable locomotion. We are developing a biped robot capable of performing stable motion on uneven agricultural terrain, collecting & analysing the data precisely through the appropriate sensors, and performing intelligent actions based on advanced Artificial Intelligence (AI) techniques.

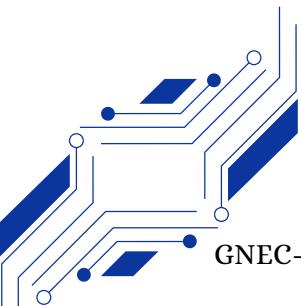
Most of the Agrobots being used in the agriculture industries in today's era are expensive big-sized machines or wheeled robots. While talking about legged robots, only hexapods and quadrupeds have been used. We aim to develop cost-effective biped Agrobots with toe-foot (two separate links from toe to sole & sole to ankle similar to human beings) capable of working in adverse farming conditions. The biped Agrobots have low contact with the land area instead of the wheel Agrobots, enabling them to cause minimal damage to the farming land and capable of working in uneven terrain. The intelligent robotic solutions being developed by us harness the human-like affective analysis capacities such as automatic navigation, visual analysis, automatic data processing, decision support, and action suggestion based on the analysis.

**Future plans:** Proposed product can provide more cost-effective and efficient solutions to bring automation in the field of agriculture as a biped robot has a low contact area leading to minimal impact on soil can easily navigate in bigger crops compared to other big sized machines or wheeled robots. It can do most tasks like human beings, making it more interactive and a better companion for farmers and industries associated with agriculture.

#### **Testimonials:**

"Big-sized machines are very costly and also damage the agricultural terrain. Wheeled robots also have a higher contact area, making it difficult to navigate. Adapting to various farming terrains is also difficult for wheeled robots."

"Agriculture automation is a booming field. We face some competition as big-sized Agrobots are already in use globally. We address it by focusing on agriculture-oriented Indian scenarios and specializing in cost-effective intelligent biped Agrobots."



Website Link: <https://www.paibytwo.com/>

Location:

GNEC-IITRoorkee, Plot No. 20, Knowledge Park II, Greater Noida, Uttar Pradesh 201310





BALLICE SMART DEVICES

PRIVATE LIMITED



iHUB DivyaSampark

Ballice is incorporated and incubated at iHUB DivyaSampark @ IIT Roorkee. Ballice's mission is to solve the world's most catastrophic problems, such as air pollution, climate change, and a lack of resources, by developing a solution to air pollution and a DC solar stove to increase the reliability of fossil fuels using the cyber-physical system developed by Ballice..

#### Founders:

Ajay Kansal & Tripti kansal

#### Problem Statement:

Air toxicity which kills around 7 million people a year is a major cause of heart attack, asthma and lung disease causing loss of life and valuable time. At ballice they want to educate people of this problem and create a infrastructure which is a blend of hardware and software, working together in the form of network of air purifiers decreasing the AQI level to the safest range.

The Ballice team not only created a solution for those who are paying high cooking costs, but also an option for remote/resource-constrained areas where cooking is not possible. With an on-grid system, there are no health hazards and the system is environmentally friendly, which is a green alternative to fossil fuels. It also saves electricity bills for 25-30 years.

#### Achievements:

- Best start-up award at IIR Roorkee, Participated in India's biggest renewable expo.
- 200 plus paying customer enquiry for solar stove.

**Future plans:** Implementing 3 live site(hospitals)with network of air purifiers in next 1 months, conducting digital marketing and SEO/SEM based website promotions, setting up manufacturing plant for the devices.

Implementation and manufacturing of first time in India 2000 watt dc powered solar stove for large scale cooking.



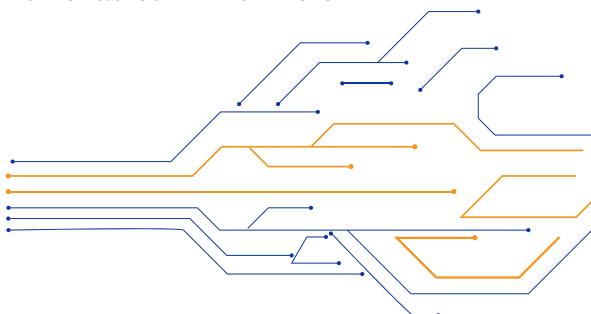
IoT enabled Smart solar cooker



IoT enabled Air Purifiers



IoT enabled Air Purifiers



Location:

iHUB DivyaSampark Innovation & Incubation Centre,  
Wind simulation Lab, IIT Roorkee, Roorkee, Uttarakhand



Website Link: [www.ballice.in](http://www.ballice.in)



**TEQBOT**

**TEQBOT INNOVATION**

**PRIVATE LIMITED .**



**iHUB DivyaSampark**

By installing Teqbot Smart controller you can control all the appliances from anywhere in the world via Mobile App & Voice command by Alexa resulting in saving of Money, energy and Time, No need to change anything.

**Founder:** Vijay Varma

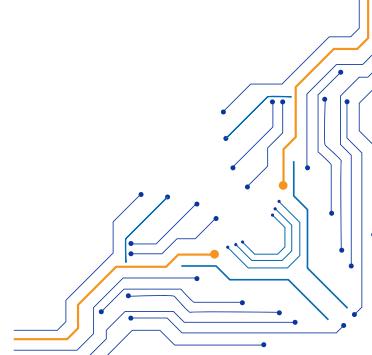
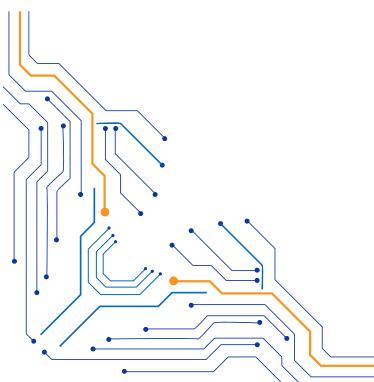
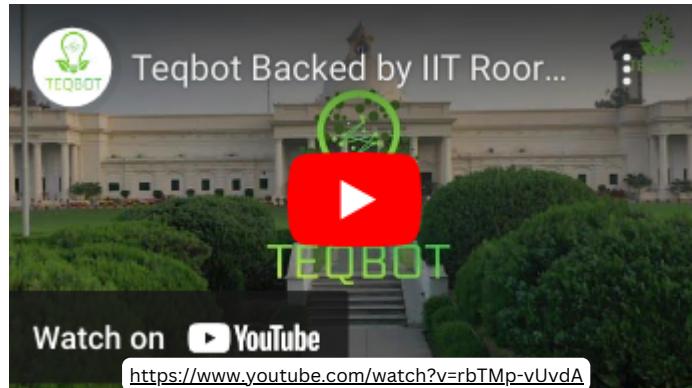
#### **Problem Statement:**

The inability to switch off appliances not in use remotely leads to increased energy consumption, and elderly persons and people with disabilities are unable to get up to make the switch.

#### **Future plans:**

Planning to partner will the Government / Institutions / Corporates for energy efficiency to meet Net Zero emission targets

#### **Video :**



**SMART CONTROLLER**

- Multiple Connectivity.** Depending on your preference, you can operate the devices using Wifi or Bluetooth.
- Easy Installation.** No changes are required in your existing wiring system or your appliances.
- Reduces Electricity Bills.** Save electricity by remotely switching off appliances based on usage and power.
- Time Scheduling.** Schedule your devices to turn on and off automatically with automation.

**Upgrade to a tech-savvy home with smart automation.**

**ABOUT**

Teqbot Smart Controller makes your appliances smart. Control them from anywhere in the world, saving time and money.

**Teqbot Mobile App for Smart Appliance Management**

The Teqbot mobile app is your main gateway to control, schedule, and monitor your appliances. Registering the Teqbot smart controller is easy with the app's setup process. Once registered, you're ready to go.

[Download on the App Store](#) [GET IT ON Google Play](#)

**We will be everywhere**

**SAVE ENERGY with TEQBOT**

**Be a pro planet PEOPLE**

**Mission LIFE**

**Reduce greenhouse gas emissions to zero and reabsorb any remaining emissions through oceans and forests.**

**BE A PRO PLANET BY USING TEQBOT.**

#### **Location:**

iHUB DivyaSampark Innovation & Incubation Centre, Wind simulation Lab, IIT Roorkee, Roorkee, Uttarakhand-247667



Linear-AmpTech

## LINEARIZED AMPLIFIER TECHNOLOGIES PRIVATE LIMITED



iHUB DivyaSampark

The company is focused on innovation to cater to various technical challenges in the area of Electronics and Software Engineering. The company is primarily focusing on various aspects of cyber-physical system design including radio-frequency sensors development and addressing the cyber domain with Artificial intelligence and Machine Learning.

### Company Board of Directors:

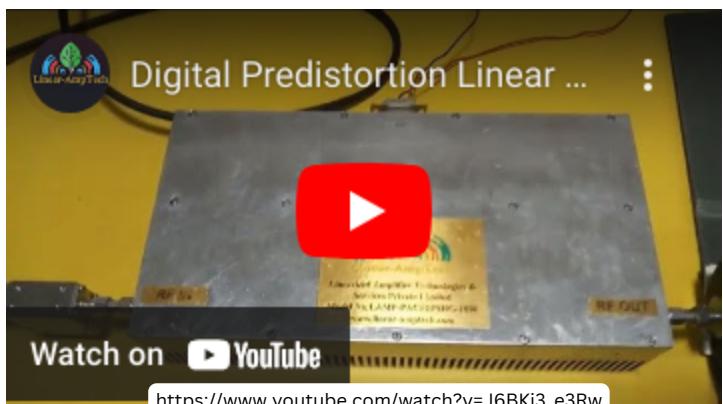
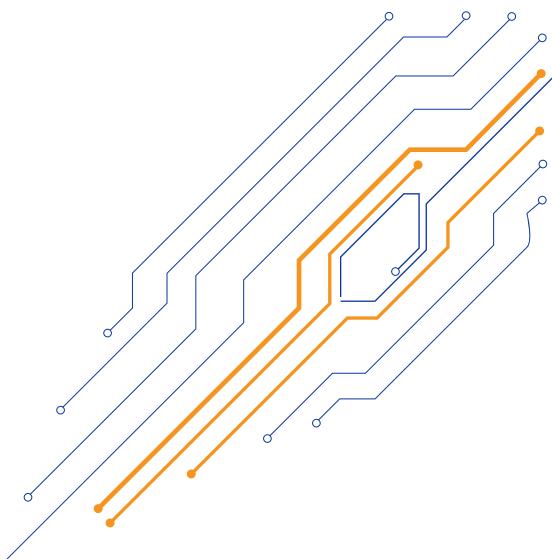
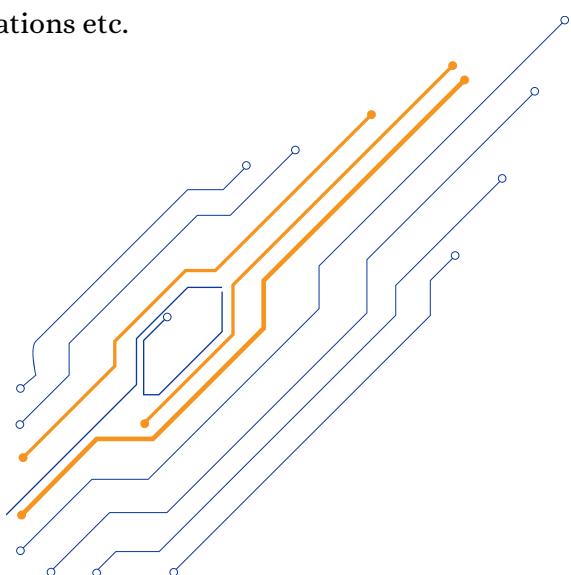
Karun Rawat (Founder), Meenakshi Rawat (Founder), Gowrish B. and Vivek Sharma

**Problem Statement:** The company is planning to develop early warning system in blind turns and highway intersections with rural roads. This early warning system is based on RADAR sensing to detect the approaching vehicles in the blind turns and highway intersections and warn drivers (with LED blinkers, dynamic signs or even horns) about approaching vehicles. In addition, such a system can also operate in narrow mountain passages, bridges and tunnels for traffic regulations and to avoid congestion.

The startup is also participating in many prestigious challenges such as Defence India Startup challenge (DISC-8) and Dare to Dream Innovation Contest related to their innovation in cyber physical domain.

The Startup is partnering with other Industries to tackle bigger problem such as IoT sensor deployment over the metro, situation awareness for modern defence applications etc.

### Video:



Location:

iHUB DivyaSampark Innovation & Incubation Centre, Wind simulation Lab, IIT Roorkee, Roorkee, Uttarakhand-247667



# ADEO DISTINCTIONS & DIMENSIONS PRIVATE LIMITED



iHUB DivyaSampark

Adeo Distinctions & Dimensions Pvt Ltd, are committed towards creation of digital transformation solutions and services that help make the world safer, smarter and more sustainable for all of us.

Business focus is to provide great customer experience and satisfaction to our enterprise and government clients and customers.

**Founders:** Mr. Suyash Sinha & Mr. Amit Kumar

## Problem statement:

Video monitoring powered by AI. Manual monitoring is expensive and error prone. AI bots can solve this by being cost effective, available 24 X 7 and reliable.

## Have primarily 3 line of products



### Poise

Is an enterprise-grade facial recognition system.

- POISE is state of the art Facial Recognition System specially designed to handle 5G mobile networks - with stationary and mobile footprints.
- POISE is capable of recognizing faces from a database of millions within 3 seconds with 92% accuracy.
- POISE can be used for a wide range of use cases involving safe, secure and smart spaces, smart buildings, smart cities and host of other applications.
- POISE API can be consumed by other line of business software. Enterprise integrations can be also done by our team of engineers if needed.



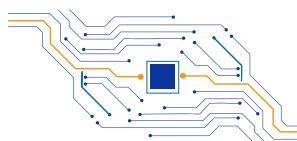
Actual security drill image

### CamBoss

Is a CCTV availability monitoring system. It is an enterprise-grade AI-powered CCTV health monitoring system that can monitor thousands of commercial CCTV cameras from any manufacturer across hundreds of locations. Perfect for smart buildings, enterprise and smart cities, it automatically detects any equipment defects and gives alerts, ensuring security is always active.

### Optimus

Is a real-time AI for smart cities. It redefines smart city technology and is a complete smart city solution powered by advanced AI. It consists of a suite of products and services that work together to simplify and scale smart city implementations. Optimus can scale from a small smart town with a few hundred cameras to a bustling metropolitan smart city with hundreds of thousands of cameras. With advanced encryption and enterprise-grade security features, Optimus empowers smart city administrators to have complete situational awareness across the entire city from the control room.



## Future plans:

Moving in the direction of sensor fusion to create a wholesome solution for industry usage.

## In News:

<https://timesofindia.indiatimes.com/city/madurai/software-to-drive-mask-rule-enforcement-in-madurai-streets/articleshow/79138130.cms>

<https://www.thehindu.com/news/cities/Madurai/cctv-cameras-to-help-police-detect-people-not-wearing-mask/article33059603.ece>

<https://twitter.com/ZeeBusiness/status/1268503565489733633?s=19>

<https://www.jagran.com/bihar/patna-city-another-achievement-of-bihari-youth-software-will-tell-who-did-not-wear-masks-in-the-crowd-20355794.html>

## Video :



Watch <https://www.youtube.com/watch?v=9LciGSPrYTE>



Watch [https://www.youtube.com/watch?v=bED\\_dHQtqBI](https://www.youtube.com/watch?v=bED_dHQtqBI)



Watch <https://www.youtube.com/watch?v=KLznnQQpdOk>



# SMART DIET PLANNER

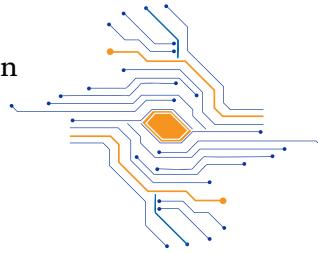


iHUB DivyaSampark

Innovative Tech Helping people & companies with power of Nutrition

**Founder & CEO - Mr. Puneet Manchanda**

**Cofounder & COO - Mr. Sarthak Manchanda**



## Problem Statement:

In India out of 1.3 Billion People approx. 750 Million have access to the internet & around 240 Million are suffering from Lifestyle Disorders like obesity, diabetes, hypertension, cholesterol, etc. which can be managed or cure with diet.

The issue is global, In USA out of 320 Million population more than 150 million are obese.

## Milestones and achievements:

They are able to achieve more than 3.5 Lac+ downloads, 2.5 Lac+ registered users, 30,000 + monthly active users, 2500+ paid users in B2C and in B2B2C they are able to do more than 15+ partnerships with organizations. Also, they are able to launch this app in multiple countries and across multiple domains.

## Future plans:

Future plans is create more of these partnerships which includes models like revenue sharing and also providing services to different corporates and organization. They'll help them provide the all services related to diet and nutrition in a very fast and cost effective way.



## Testimonials:

Their app is available on PayTM and Kapiva' website and they are really happy with the result for the same. It helps them increase their retention in their platforms through us.

## Video:



## In News:

<http://bwdisrupt.businessworld.in/article/Smartdiet-Planner-App-Targets-10-Lakh-Users-/16-07-2021-396857/>

<https://www.analyticsinsight.net/exclusive-interview-with-puneet-manchanda-founder-smart-diet-planner/>

<https://digitalterminal.in/news/delhi-based-healthtech-startup-smart-diet-planner-leveraging-ai-to-assist-millions/27719.html>

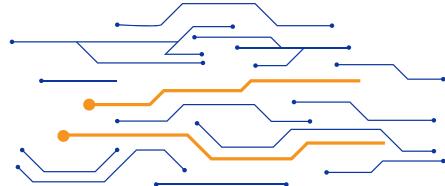
Dtown Robotics is a deep tech company focused on design and development of Unmanned ground and aerial drones. Founded in 2018 , Dtown Robotics is focused on providing customized product development in the field of defense, Agriculture and Logistic operations.

### Founders:

Manas Upadhyay, Avinash Chandra Pal, Pawan Dubey, Sanjay Khatri

### Problem Statement:

For agricultural and defense sectors, Who require innovative robotic solutions,they provide unmanned ground/aerial robots, that automate slow and repetitive tasks for users, allowing them to focus on increased efficiency and minimized risk. Unlike the current complex solutions that are available in the market, their product is optimized to suit Indian market in terms of cost , usage and maintenance.



### Milestones and achievements:

Dtown Robotics is a NASSCOM DTC startup and has been in the list of top 30 promising startups in India 2022 by Your Story. They are the first startup in Uttarakhand to secure a government project management consultancy for the next 3 years.

### Future plans:

They are currently involved with different state governments for indegenized production setup facilities to cater drone demands within state itself. They have future plans to expand Upto 10 cities this year with agriculture services via UGAV products.

### Testimonials:

"I highly recommend Dtown Robotics for their exceptional work in providing unmanned solutions for agriculture and defense operations. Their expertise in robotics and dedication to innovation have made them a trusted partner in improving efficiency and productivity in these crucial industries." Mr. Ajay Singh , MD , Ranchi Techno solutions Private Limited.

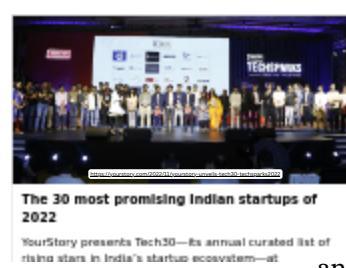


**DTR TUFF DRON 86**

Small Category drone designed as All weather multipayload platforms for agriculture , defense and logistics Operations.



### In News:



**RH1NO UGV**

Indigenous ground robot used for ISR operations in minimising human intervention in dull and dangerous tasks.



**DTR TUFF 450**

Entry Level Micro Category Drone Designed for training applications with an HD Camera and best in class flight time



COGXR LABS



iHUB DivyaSampark

CogXR Labs is focused on solving the existing problems in the healthcare industry and taking India to the next level and bringing in the era of Healthcare 4.0.

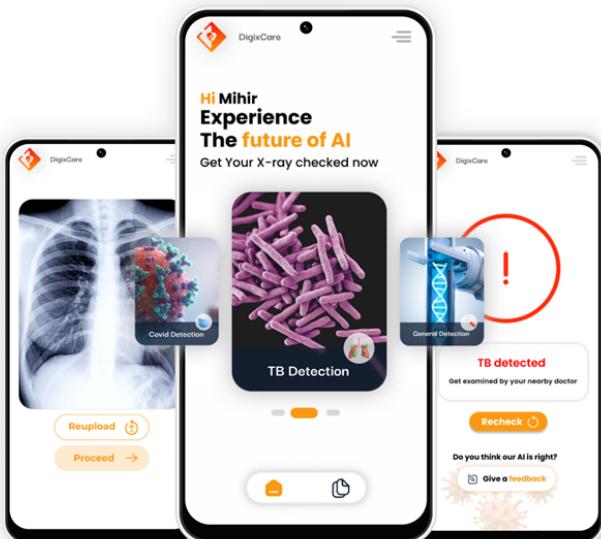
**Founders:** Vishal Pandey, Anmol Gupta, Partha Pratim Roy

#### Problem Statement:

They are creating a mobile-based screening tool based on computer vision. Their goal is to automate and digitize the process, reducing waiting times and streamlining patient care. Their research-backed products aim to aid doctors in evaluating cognitive well-being and detecting anomalies in medical images.

#### Future plans:

To detect multiple diseases with multiple modalities and release the app.



**DIGIXCARE**



DigiXCare, a mobile app to screen Covid, TB, Pneumonia, and much more, based on an X-ray image.

- A free app for experiencing the future of healthcare.
- Over 90% accurate
- On-device ML
- Intelligent
- Interpretable (XAI)



**DigiXCare - Apps on Google Play**

Experience the future of AI with Digi-X-Care.

<https://play.google.com/store/apps/details?id=com.cogxrlabs.digixcare0&pli=1>



Location:  
GNEC-IIT Roorkee, Plot No. 20, Knowledge Park II,  
Greater Noida, Uttar Pradesh 201310

Website Link: [www.cogxrlabs.com](http://www.cogxrlabs.com)

Evigway Technologies Pvt Ltd is an Indian company working in the Defence sector under the Military Intelligence & Advance IT solutions domain. Dedicated to working on certain highly classified projects for the specialized agencies and the security forces of the country. They provide strategic defensive & offensive capabilities to Governments, Law enforcement agencies, and Critical infrastructure operators.

**Founders:** Mr. Akshay Singh & Ms. Shashi Singh

**Problem Statement:**

India ranks 8th worst affected country by the menace of terrorism out of the 163 surveyed (By Global Terrorism Index Report 2020). It is almost impossible & highly expensive to gather manual intelligence in 15000 km of land & 7500 km of coastline borders. The use of advanced intelligence software & techniques is a must in this modern era of warfare. Those too should be customizable to local needs.

There is a severe need for in-house R&D-focused companies to work on intelligence technologies, software, equipment for the safety of the nation, critical infra & more on both the defensive as well as the offensive side of operations.

**Milestones and achievements:**

- Selected by STPI, Ministry of Electronics & IT, Govt of India
- Selected by NVIDIA for Tech Facility support
- Selected by SNU, IIM Kozhikode, iHub Gujarat for tech facility & mentorship support
- Equity investment by Dept of Science & Technology, GoI
- Partnership with CSIR Lab, Mohali for joint product development for the defense forces.
- Top 35 startup in Emerging Technologies by Ministry of Electronics & IT under Digi Week'22

**Future plans:**

Evigway can develop some of the highly complex and custom software where Evigway will backend and the partner can frontend freely.

**Video:**



Theranautilus is a DeepTech healthcare company in the process of translating nanorobots into clinics. They specialize in equipment for fabricating nanorobots therapeutically capable of performing specific functions ranging from drug delivery, sterilising biofilms, cancer theranostics so on and so forth. Along with fabrication we are also developing devices safe deployment of nanorobots in living systems, and mechanisms to manoeuvre them to their target inside the body remotely

**Founders:** Prof. Ambarish Ghosh, Dr. Debayan Dasgupta, Dr. Shanmukh Srinivas

#### Problem Statement:

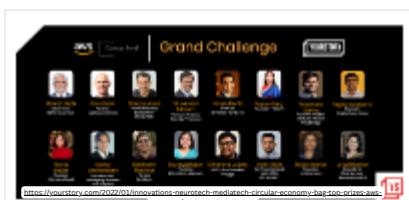
This Deep Tech startup is dedicated to solving complex medical problems through the use of cutting-edge nanotechnology. At the forefront of the startup's efforts is their work with nanorobots, which are magnetically propelled tiny machines designed to perform specific tasks at a cellular level with nanoscale precision. By harnessing the power of these tiny machines, the team is working to address a range of medical issues, including dental hypersensitivity, root canal reinfection, and cancer theranostics.

#### Achievements:

Department of Science and Technology NIDHI PRAYAS Innovator award, 2022

TiE Con Matrix award for best start-up in future tech category, 2022

BIRAC BIG-21 for Medical Devices



<https://yourstory.com/2022/01/innovations-neurotech-mediatech-circular-economy-bag-top-prizes-at-the-awards/>

Innovations in neurotech, mediatech, and circular economy bag top prizes at the AW...

Colleges and educational institutes are often the birthplace of next-generation startups. And the annual Grand Challenge competition

#### In News:

<https://www.iadr.org/awards/iadr-hatton-competition-and-awards>

<https://iisc.ac.in/events/prof-ambarish-ghosh-and-team-has-won-the-national-award-under-technology-start-up-category/>

<https://www.boardofinnovation.com/blog/top-10-medtech-innovations/>

<https://www.thehindu.com/sci-tech/science/using-nanorobots-in-dental-procedures/article35911710.ece>

<https://www.ndtv.com/india-news/nanobots-can-now-treat-your-teeth-during-root-canals-study-2980870>

and many more.....

#### Future plans:

The long-drawn vision of Theranautilus is to revolutionize cancer theranostics space by bringing the science fiction of "Fantastic Voyage" to reality. They plan to develop nanorobots that can be injected into the human body and travel to cancerous cells. These nanorobots will be equipped with the latest cutting-edge technology to diagnose and treat cancer at its source. Their goal is to create a minimally invasive and highly effective solution that will change the lives of millions of people suffering from cancer. Their team of experts in nanotechnology, robotics, and medicine are working tirelessly to make this vision a reality. They believe that the future of cancer treatment lies in the hands of nanorobots and are determined to lead the way.

#### Video:



Website Link: [www.theranautilus.com](http://www.theranautilus.com)

Locations: IISc, Bangalore



# VIGNAM LABS PRIVATE LIMITED



iHUB DivyaSampark

Vignam aims to revolutionize education globally by becoming synonymous with interactive and immersive learning. Their technology will transform traditional classroom and laboratory teaching and industrial training (like drone training, semiconductor labs training, etc.), and they plan to create a metaverse of educational content accessible in 3D, VR and AR. They also plan to offer affordable hardware devices alongside their software.

**Founders:** Vibhanshu Sharma

### Problem Statement:

They are solving the problem of inefficient education infrastructure for teaching in educational institutes be it schools, colleges or industrial training institutes.

Vignam offers high-quality 3D educational content for teachers to visually explain concepts and save time. Students can interact with simulations to enhance their understanding and interest, and institutes can set up virtual lab infrastructure inexpensively for practical learning.

### Milestones and achievements:

They have partnered with 7 institutes in Delhi NCR area, backed by iHub Divyasampark and are part of their PANKH program. They have currently 1500 plus users and have over 50 + simulations deployed on their platform and have educational content of over 1000 + topics.

### Future plans:

Their aim is to make "Vignam" a synonymous verb for Interactive and Immersive Learning and Teaching, similar to how Google is for search. They aspire to revolutionize the educational infrastructure worldwide by providing cutting-edge technology that enhances teaching and learning experiences. Their educational content will also be available in the metaverse, accessible through 3D, Virtual Reality, and Augmented Reality.

### Testimonials:

- "As a school owner, I'm constantly on the lookout for new tools and resources that can help our teachers and students succeed. Vignam has been a game-changer in this regard, empowering our educators to help students to reach their full potential." - Vishwas Rana (Owner, CHAUDHARY CHHOTU RAM MEMORIAL PUBLIC School)
- "Vignam completely transformed how teaching and learning is done in our school. Teachers in our school are happy as students are now able to learn and understand concepts in very less time." - Surender Gaur (Principal, Savitri Siksha Sadan Sr. Sec School)

### Video:

Anatomy of Human Heart

Vignam Product OverView

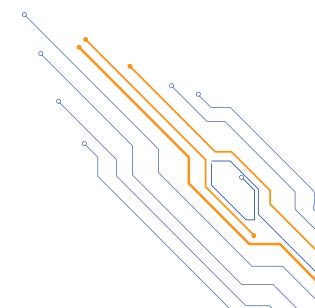
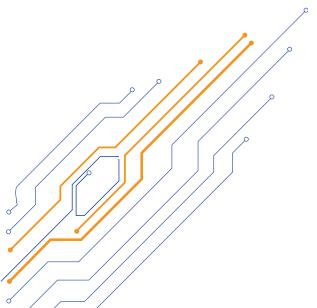
Right Atrium

Right Atrium

Hide Annotations

2. Right Atrium  
3. Left Atrium  
4. Right Ventricle

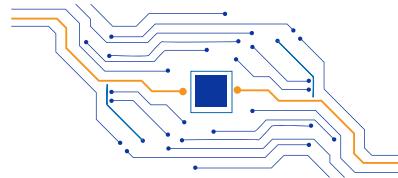
Watch on YouTube <https://www.youtube.com/watch?v=gGY1bEue3dU>



Locations:  
Delhi NCR

Nexactly AI Solutions offers a SaaS-based neuromarketing software that helps businesses optimize their marketing strategies by analyzing the subconscious responses of their target audience by using advanced neuroscience techniques such as eye tracking, facial coding, and EEG (Electroencephalography) to capture and interpret the reactions of consumers to various stimuli which can be used to improve the effectiveness of marketing campaigns, product designs, and user experiences.

**Founders:** Shyam Parmar, Neel Patel



### Problem Statement:

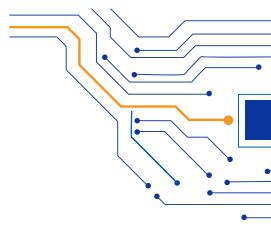
Nexactly AI Solutions' SaaS-based neuromarketing software solves the problem of understanding consumer behavior by utilizing EEG technology to measure and analyze brain activity in response to marketing stimuli. The innovative product offers insights to optimize marketing strategies and improve consumer engagement. The distinctiveness of the product lies in its use of neuroscience to provide a more accurate understanding of consumer behavior on multiple domains such as Product, UI/UX, Social media designs, Advertisements, Videos, etc.

### Milestones and achievements:

Patent applied for modular EEG device. (1 Brain computer interface device can be used for multiple Brain related applications), Featured in Times Of India Ahmedabad for conducting Brain Computer Interface Live session on Student's brain, Got Funded and Incubated by iHUB Divyasampark IIT Roorkee.

### Future plans:

Partnering up with medical institutes and hospitals for potential BCI application in Healthcare (Detection of mental diseases such as ADHD, Seizures, etc), Devices for Mental wellness and mindfulness



Website:

<https://www.nexactsolutions.com/>

Location :

Ahmedabad

They are Continuum Research and Development Private Limited, India's first & largest ecosystem platform for EV Charging Infrastructure & Carbon Credit Tracking and Trading EV and Renewable Energy Sources. Their platform "electrolite" offers cutting edge technology for monetizing EV carbon credits & is globally scalable based on Polygon, OCPP, OCPI and MQTT protocols.

**Founders:** Santosh Kumar, Ravi Yadav

**Problem Statement:**

- Absence of advance functionalities with CPOS
- Absence of globally scalable platform for Carbon Credit Tracking and Trading based on tokenization
- CPOs following different protocols & Multiple application
- No Extensive NFT Platform to Renewable Energy Carbon Credit Monetization

**Milestones and achievements:**

They have completed development of charging infra application as well as NFT Carbon Credit platform. Also started on-boarding of vendors. BESCOM (Bengaluru Electricity Supply Company) is interested in their solution.

**Future plans:**

They have technology collaboration with TRST 01, Climate Fund NL & Voltic

**Video:**



Website Link: <https://www.continuumrsearch.com/>

Location:  
Bengaluru

Calibr is a collaborative learning platform for organizations (B2B SaaS) to continuously measure the skills of their employees, identify the skill gaps and upskill them by recommending personalized learning paths. Organizations can create relevant micro-learning nuggets in-house via AI powered course authoring tool or curate it from the content hub.

**Founders:** Umesh Chandra Joshi, Anand Prakash

**Problem Statement:**

Organizations lack a way to continuously measure skills of their employees and identify skill gaps because of which learning efforts are not aligned to business goals.

**Milestones and achievements:**

1. Launched a beta product.
2. Part of Microsoft for Start-ups Founder Hub
3. 5+ pilot customers.
4. Content partner for National Digital Library

**Future plans:**

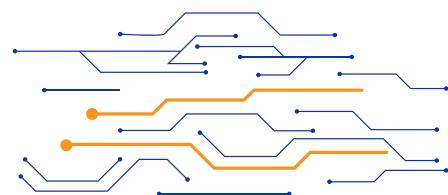
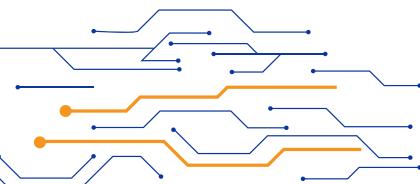
Partnered with Wiley, Pearson, Cengage & McGraw Hill. Currently in the progress of partnering with Oxford University Press, Udemy, Packt and Skill Soft to curate high quality learning content.

**Video:**



Website Link: <https://calibr.ai>

Location: Bangalore





## SPIRINOVA TECHNOLOGIES



iHUB DivyaSampark

Spirinova was started in May 2022, with a mission to solve pressing problems in the industry by using advanced tech.

**Founders:** Amit Kumar, Umesh Tripathi, Subhash Gupta Stealth Cofounder, an AI expert

### Problem Statement:

They are positioning Spirinova as a choice MVP builder, that is working towards bringing down the cost of MVP development, pushing up the qualitative benchmarks, by using generative AI. Their deep expertise in MVP development and generative AI enables to transform the MVP development experience for customers.

### Milestones and achievements:

- Reached 1 crore revenue in first 9 months of operations

### Future plans:

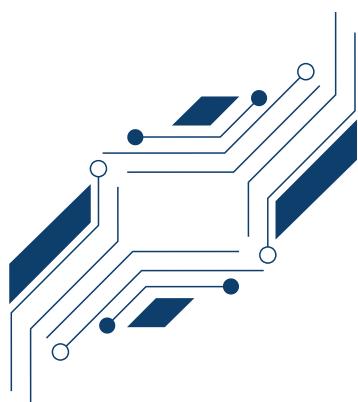
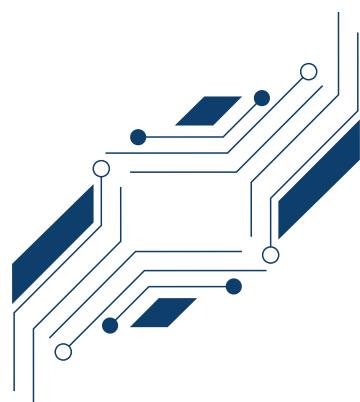
- Build a generative AI platform to bring down the cost of MVP development to 5% of its current price.
- Build a Land registration system on the blockchain
- Build a Warehouse receipt repository system on the blockchain
- Build an Agriculture supply chain system on the blockchain
- Build a Taxation system on the blockchain
- Build a quantum computation platform on Ocean protocol
- Build fitness and habit-forming app built around game theory
- Build a charity NFT platform
- Build a future prediction app by opinion discovery
- Build an Autism discovery app
- Build an AI-based clinical trial system for Ayurvedic medicines

### Testimonials:

- "It was an honor working with Spirinova team on the hyperlocal delivery app. The innovative design and impeccable user experience they created in a short period of time, I guess I couldn't have gotten elsewhere easily. I recommend Spirinova for their capabilities to innovate." - Anuj Pratap Singh, Director @Pratap Buildtech
- "It was very pleasing working experience with Spirinova team on mining system development. I was impressed by the depth of their knowledge, ability to solve problems quickly and enthusiasm. I would recommend Spirinova to people, who want to get their complex software work done." - Sam Cohen, Founder @Stealth Startup

Website Link: <https://spirinova.dev>

Location: GNEC-IIT Roorkee, Plot No. 20,  
Knowledge Park II, Greater Noida, Uttar  
Pradesh 201310



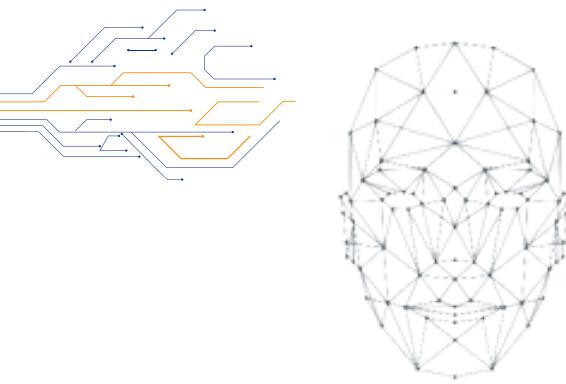


They are a startup in India specifically working to bring Artificial Intelligence to the Defense and Aerospace sector. They believe we can make a difference in the security ecosystem, and safety with reduced costs and increased efficiency. They collaborate and support other startups and efficiently use the strengths of talented experts in the Tech world for a dual-use technology.

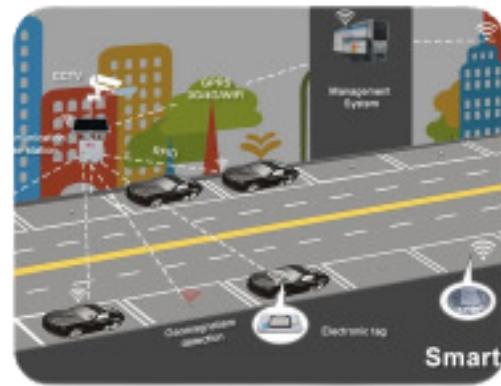
**Founders:** Jyotsna Kaushal and Mamta Rawat

#### Problem Statement:

A smart, real-time, automated solution to control and management of traffic on city roads, road intersections, roundabouts, blind crossings, U bends, and highways using wireless network sensors keeping weather responsiveness in the State of Uttarakhand to enhance safety and reduce traffic congestion.



Face Recognition System Integrated in The CCD Cameras For the Police Control Room



Smart Traffic Management Systems



#### Milestones and achievements:

Jyoma Solutions is technology startup committed towards indigenization of various components and sub systems for the armed forces. The company is lead by a former veteran military officer and consists of a strong team of technical experts from IISc Bangalore, IIT-Roorkee & UTU. The company in its short span of existence has won Uttarakhand Startup Grand Challenge 2022 & also bagged the iDEX DISC 6 Challenge hosted by the Defense Innovation Organization under the Ministry of Defense and Recognised by Startup Uttarakhand and iHub- Divyasampark.

#### Future plans:

Their plan is to be at the forefront of research and innovation in AI for a global market and a world-leading hub for transformative and responsible AI research, development, and application.

#### Testimonials:

- "They have been a reliable partner to our company in the field of R&D and innovation. They always work hard to ensure that we get the best solutions for our needs." - Sandeep Shah, MD Optimized Solutions
- "Jyoma Solutions developed a unique platform to empower start-ups to develop products and services based on defence technologies." - Paras Agarwal, MD Precision Advance Systems



EVOLVED TRANSPORTATION SYSTEM

PRIVATE LIMITED (ETS)



iHUB DivyaSampark

Working in the field of Intelligent Transportation System to help Emergency Service, promote lane discipline, road safety and save thousands of lives and resources.

**Director:** Faizan Khan , Uzma Khan

**Problem Statement:** The obstruction of emergency vehicles caused by traffic congestion has resulted in a staggering loss of life. Approximately 1.5 lakh people die each year due to delayed medical attention, with half of these deaths occurring while en route to medical facilities. Additionally, approximately 40,000 people perish annually in fires, causing damages amounting to \$4 billion per year.

**Milestones and achievements:**

- Being incubated at Atal Incubation Centre – EMPI, supported by NITI Aayog, Government of India.
- Being funded and incubated at IHUB Divya Sampark from IIT Roorkee.
- Certified by Ministry of Micro, Small & Medium Enterprises
- Certified by Department for Promotion of Industry and Internal Trade
- Selected by the NASSCOM Startup Hub Community.
- Certified by Nation Investment Promotion Agency.
- Under MoU with Onyx Electronics Private Limited.
- Working with potential client: Delhi Fire Service, Delhi Traffic Police and CATS ambulance.
- Filed three patents in the field of Intelligent Transportation System (ITS).

Patent 1: Emergency Vehicle Monitoring and Alert System (EVMAAS)

Patent 2: 3D Virtual Tunnel System (3D VTS)

Patent 3: Stop For Emergency Vehicle Indicator (SFEVI).

**Future plans:** ETS aims to save a minimum of 60 thousand lives annually by reducing emergency vehicle response time by 40%-45%. To achieve this, we plan to conduct pilot testing in the Delhi traffic scenario and carry out joint exercises with the Delhi Fire Service Department, Delhi Traffic Police Department, and CATS Ambulance. The ultimate Aim to encourage and enforce the lane driving and road safety.

**Video:**



Website Link: [www.evolvedsystem.com](http://www.evolvedsystem.com)

Location: Delhi, India



Pherious Inventions is a fast-growing company in AI and IoT. Their goal is to use technology to improve life and sustainability. They invest in research, explore space, and believe in balancing nature and modernity while advancing smart manufacturing and services.

**Founder:** Ravi Kumar and Mohit Arora

**Problem Statement:** Addressing the following challenges in healthcare:

- Managing large crowds efficiently at healthcare facilities.
- Struggling to attract clients despite offering quality services.
- Delayed provision of essential services.
- Marketing hurdles in reaching the target audience.
- Wasted time due to lengthy queues.
- Inadequate guidance systems.
- Dependency on referrals from acquaintances for trustworthy services.
- Difficulty in locating nearby service providers.

### About the product as a solution:

**Quenix** is an AI and IoT-powered solution that addresses overcrowding and long queues in healthcare facilities. It serves as a smart virtual receptionist and automated business management system, streamlining customer flow, staff management, routine tasks, customer relations, and business intelligence through AI modeling.

### Future plans for Quenix:

Quenix's future plan revolves around ending waiting times and ensuring timely, hassle-free, and high-quality services for both customers and businesses:

#### For Customers/Individuals:

1. Easily find the service you need.
2. Locate your desired service provider.
3. Book your appointment.
4. Visit only when it's your turn.

#### For Businesses/Professionals:

1. Register your business.
2. Receive relevant customer leads.
3. Serve customers efficiently when it's their turn.



### Value Proposition:

- Receive real-time alerts for delays and arrival times.
- Save time by avoiding long queues.
- Access genuine and quality services.
- Get assistance and guidance for new customers.
- Eliminate the need for inquiries and offers.
- Enjoy customized and personalized appointments.
- Simplify interactions between customers and service providers.
- Reach the right audience and generate more leads.

Website Link: <https://www.pherious.com/index>

Location: New Delhi and Mohali, India



Dheya Engineering Technologies Pvt. Ltd.

# DHEYA ENGINEERING TECHNOLOGIES PVT LTD.



iHUB DivyaSampark

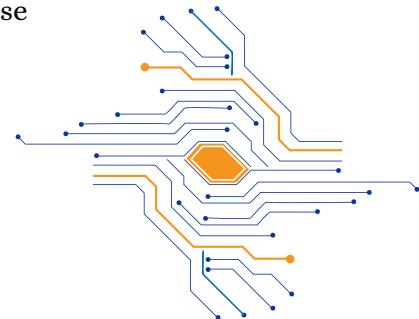
Dheya Engineering Technologies Pvt Ltd., a Bengaluru-based startup founded by former colleagues from GE and Rolls Royce, is on a mission to create affordable and dependable Micro Gas Turbines for various uses worldwide. Their goal is to be the pioneering company in India to showcase this innovative technology and meet future global demands.

**Founders:** Gurushankara K C (CEO), Abhinav Alva (CTO), Chetan Kumar H K (COO).

**Problem Statement:** Micro gas turbine propulsion systems are vital for medium to high-endurance UAVs, drones, and loitering munitions, crucial in modern warfare. India currently relies entirely on imports for this technology, posing a significant national security risk. Recognizing this, the Indian government has labeled it a priority, and Dheya Technology aims to contribute by creating India's first micro gas turbine propulsion system in the sub 2kN category to support the nation's defense requirements.

## Milestones and achievements:

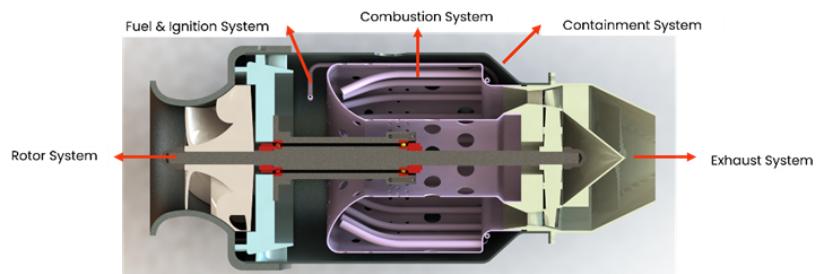
- Product design completed
- Dedicated test cell developed for product validation
- Chosen for Startup Karnataka funding (ELEVATE 2023) in aerospace and defense
- Received startup funding from ONGC
- Established key partnerships for manufacturing, testing, and sales
- Formed a technology collaboration with a Czech Republic-based company.



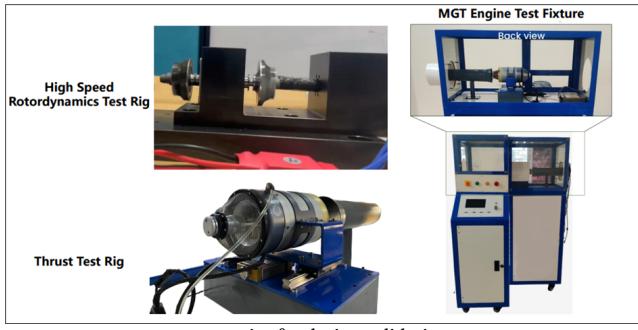
## Future plans:

- Fundraising for micro gas turbine technology's proof of concept
- Aiming to launch a market-ready product by 2026
- Engaged with the Indian Navy for indigenization support
- Collaborating with NMRL on a pilot project
- Exploring partnerships with OEMs like TAS and Paras Defense
- Partnered with Dr. Ravi Krishna from IISc to research hydrogen-based combustor designs.

## DET400 – 100kW or 400N MGT



DET 400 Cross Section



Test Rigs for design validation

### Testimonials:

"Dheya Engineering Technologies with its vision and effort to develop micro gas turbines for propulsion and energy is a much-required initiative in India's mission and goal to achieve self-sustenance in gas turbine technology" – Dr. Arun Kumar, Former Propulsion Director, CSIR National Aerospace Laboratories, Bangalore

"Micro Gas Turbine technology is a key technology for securing India's future to meet propulsion and energy demands both in unmanned tactical warfare and power generation segment with future fuels such as hydrogen. Dheya technologies vision is the right step in this direction" – Dr. Ravi Krishna, Professor, Department of Mechanical Engineering, Indian Institute of Science, Bangalore.

Website Link: [www.dheyatech.com](http://www.dheyatech.com)

Location: Bengaluru, Karnataka, India

Nextup Robotics specializes in developing industrial arm robots for enhanced machine productivity. Their mission is to make robotics accessible to all, boost factory efficiency, and free humans from monotonous, repetitive, or hazardous tasks. They promote innovative research to accelerate the integration of robotics into daily life and offer a stimulating learning environment to nurture young minds in STEM(Science, Technology, Engineering, and Mathematic skills) fields.

**Founders:** Kirat Singh, Mr. Shubham Singh, Mr. Dhirendra Kushwaha.

### Problem Statement:

- Inefficient Inventory Management: The need for more efficient inventory control to save time.
- Production Rate Challenges: Enhancing production rates to increase profitability.
- Bridging the Manufacturing Skills Gap: Upskilling workers at risk of job displacement due to automation.
- Costly Production and Low Quality: Reducing production costs and improving product quality in an environment where manual labor and outdated machinery prevail.

### Milestones and achievements:

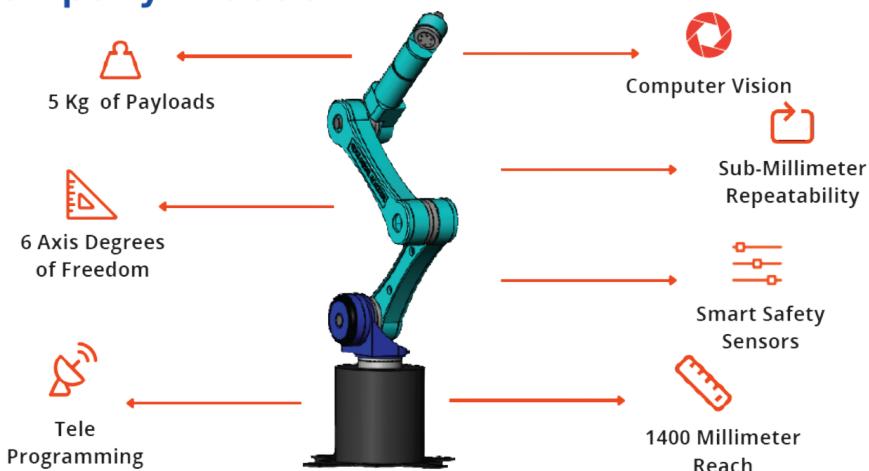
- Granted two patents on a humanoid robot and a foldable cooler.
- Among the top 15 startups out of 400 applicants.
- Incubated with AKTU support from the government.
- Recognized as one of the top 17 emerging technology startups in India.
- Presented our products to the Honorable Prime Minister.
- Nominated for the "500 Startup nomination" for research
- Recognized by StartInUP, StartupIndia, and Ministry of Electronics and Information Technology.



### Future plans:

- Mission: Democratize and foster collaborative robotics across all industries.
- Establish an industry and social network for seamless collaboration.
- Launch an open beta store for testing and learning.
- Develop an automatic tool changer and expand the toolset.

## Company Product (Industrial Arm Robot)



Company's other innovation (1)	
	<b>SPECIFICATION</b>
Ht. Of Humanoid Robot	5.5 Ft.
Wt. of humanoid robot	45 KG
Degree of Freedom	20DOF
Max Wt. lifting Capacity	12 KG

Humanoid Robot( Grant Patent)

Company's other innovation (2)	
	<ul style="list-style-type: none"> <li>• We have a good deal with symphony and design a foldable model for existing model Movicol 200g XI.</li> <li>• Our Team delivered it successfully.</li> <li>• With this concept, symphony optimizes one-third of space.</li> <li>• They reduce Transportation costs.</li> </ul>
Foldable Cooler ( Grant Patent)	



SMARTALPHA, founded in 2018 by IIT Roorkee alumni with over 15 years of expertise in FinTech, Artificial Intelligence (AI), Data Science, and Portfolio Management Services, specializes in tech services and algorithm-based trading systems. Mission is to ensure the financial well-being and prosperity of the clients through automated AI-driven stock market investments and to emerge as the go-to solution for Fund Management, FinTech Services, and Trading Platforms catering to various market participants, including arbitrageurs, hedgers, speculators, and market makers.

**Founders:** Ramesh Bandi

**Problem Statement:** As per the latest news reports 95% of investors (B2C, B2B, B2I) face difficulty in Selection of Stocks & Their Direction, Entry & Exit, Trade Management, Fund Allocation, Futures & Options Confusion, Market segments & timing. To overcome these problems and healthy revenue generation to meet their financial goals with minimized risk, SmartAlpha creating AI driven single point solution with robust features.

#### Milestones and achievements:

- Developed iFrame Technology for B2B with the automatic trading system.
- Created 100+ trading models for all types of clients (speculators, hedgers, and arbitragers).
- Developed a robust order management system with decision-making analysis.
- Developed all the broking houses' APIs solution for ATS.
- Certified RA.

Installed iFrame technology for top brokers like Nirmal Bang Securities Pvt. Ltd. and Aditya Birla Money Limited and developed and installed HNIs models on their trading platform. Delivered 21% returns in 2022-2023 financial year to our HNIs where benchmark Index returns was -2.5%.

**Future plans:** Looking for PMS and AIF-cat3 licenses to manage foreign and Indian funding in worldwide markets.



Website Link: [www.smartalpha.co.in](http://www.smartalpha.co.in)

Location: Hyderabad, Telangana, India

TechXR was founded to bridge the technology gap in India by democratizing access to emerging tech like Augmented and Virtual Reality. The IITian-led award-winning startup offers affordable XR solutions, harnessing the transformative potential of technology for everyone. Their end-to-end solutions are cost-effective, making XR accessible to a wider audience.

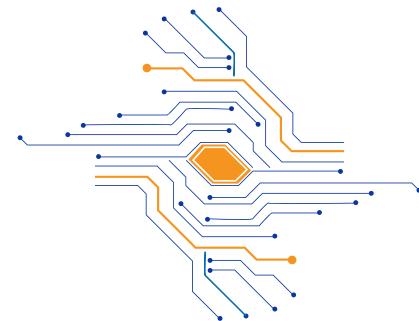
**Founders:** Prashant Kumar Mishra (Founder & CEO) and Abhishek Prabhat (CTO & Co-Founder).

### Problem Statement:

TechXR addresses the slow adoption of AR-VR in India by offering affordable, interactive hardware and promoting quality content generation. They aim to overcome the barriers of high costs, limited interaction, and a premature developer base in the country.

### Milestones and achievements:

- Early R&D, Controller Prototyping, and Design Validation.
- Angel Investment of ₹27 Lacs at a ₹10 CR valuation.
- Developed 10+ titles, SDK, and Oculus porting.
- Recognition in 5G Hackathon and Edupreneur Challenge.
- Launched courses at NIFT and initiated internships for 200+ colleges.
- Collaborated with IIT Roorkee iHub.
- Secured ₹7.1 Cr Seed Funding at ₹45 Cr post-money valuation.
- Achieving monthly revenue of ₹35 Lacs.
- Hardware: Granted patents, streamlined manufacturing, produced 5000 units, and sold over 1000 units.
- Software: Developed a developer SDK with Oculus porting and introduced XR Blocks, a user-friendly platform for non-coders.
- Learning: Launched an LMS with a freemium model, along with advanced learning modules.
- Content: Created 250+ STEM-based XR experiences, enrolled 2000+ paid students generating \$250K+ in sales, and formed collaborations with IHub IIT Roorkee, leading to successful student placements. We also initiated AR 3D-powered Smart Classrooms in Government Schools and established a Spiritual Experience Centre at Mahakal Lok, Ujjain, in 2023.



Product Video

### Customer Reviews (4.3 Rating on Amazon)

Reviewed in India on 19 April 2023

Verified Purchase

Unexpected experiences, wonderful way to engage kids in something creative. Not only the controller and the app is fantastic but kids creating their own AR-VR content just by watching youtube tutorials is impressive. Would recommend to all the parents to try this technology.

Helpful Report

Amazon Customer

★★★★★ It was super

Reviewed in India on 3 May 2023

Verified Purchase

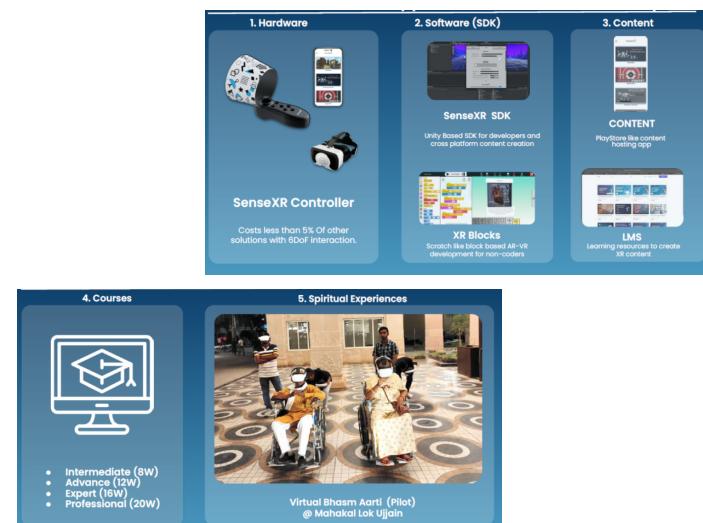
My children's enjoyed watching solar system and earthquake

Helpful Report

Yash Gehlot

★★★★★ Education Impressive product

Reviewed in India on 19 April 2023



Unscene Innovation is an AI company that develops predictive analytics software for various industries such as shipping, defense, automotive, energy, and aeronautics. The company uses machine learning algorithms to provide actionable insights and identify failures proactively.

**Founders:** Cephas Joseph

**Problem Statement:** The problem being addressed by Unscene Innovation is the high cost and downtime caused by unexpected failures in complex engineering systems. The company's platform analyzes all relevant information, including sensor data, SCADA data, asset management systems and external data sources to reduce maintenance expenditure and increase operational efficiency.

**Milestones and achievements:**

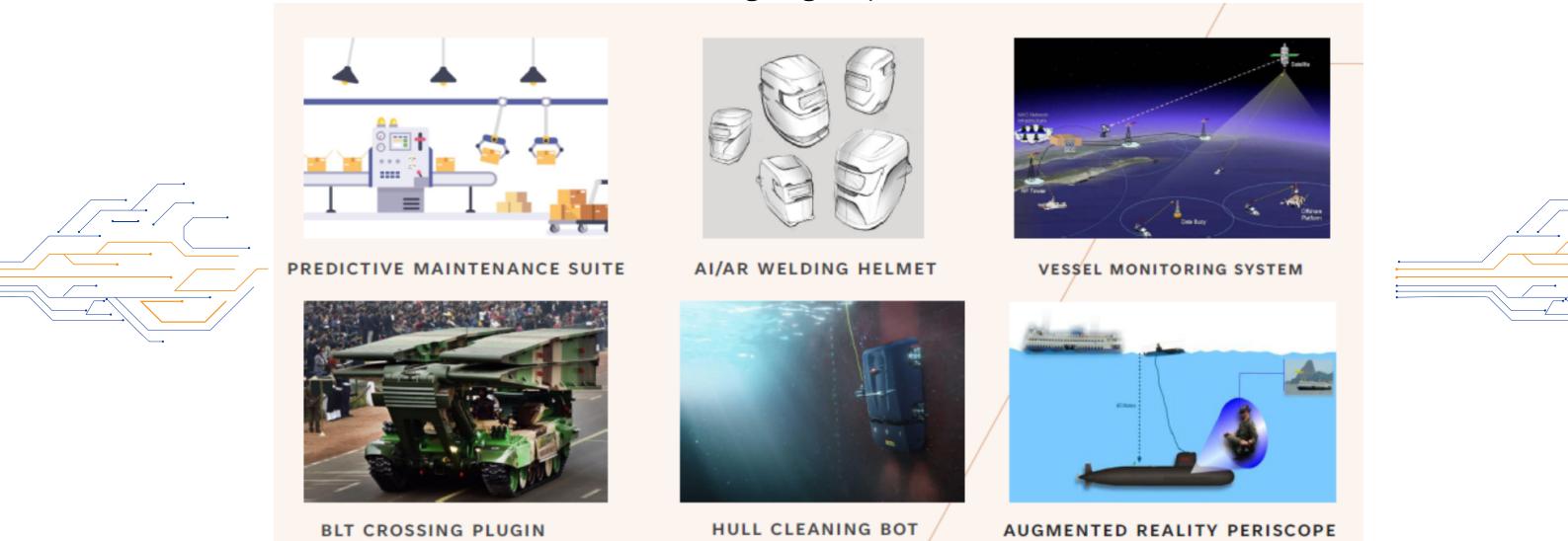
- Being recognized as a startup under the Startup India initiative promoted by the Department of Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry.
- Being awarded for their efforts towards the development of Indigenous technology using Artificial Intelligence for the Defense by the Government of India.



**Future plans:**

- Developing AI models for predicting failure in the AFV's (Armored fighting Vehicles) for the Mechanized units of the Indian Army.
- Developing an edge compute device for the monitoring of fishing boats on the Indian Coast.
- Designing a computer vision based solution for enhancing the situational awareness of the T-72 Tank Commander.

Ongoing Projects





IDR R&D DEVELOPMENT  
PVT. LTD



iHUB DivyaSampark

IIDR Research and Development Pvt Ltd is at the forefront of NextGen drone technology, revolutionizing India's approach to self-reliance in the drone industry. They're committed to delivering innovative and cost-effective drones made in India. Beyond drones, they offer comprehensive services in 3-D modeling, prototyping, product design, and R&D, partnering with the Indian army and actively seeking further opportunities. As the only Indian startup dedicated to designing and developing nano drones, they're advancing military surveillance with AI integration for enhanced effectiveness and accuracy.

**Founders:** Mr. Mayank Pratap Singh , Mr. Ankur Yadav , Mr. Vyom Rajan Singh

**Problem Statement:** IDR Research and Development Private Limited is addressing critical challenges in the Indian drone industry. India lacks indigenous nano drones and related technologies, resulting in a lack of proper applications and situational awareness for troops on the ground. Importing UAVs from other countries is financially burdensome. IDR Research and Development Pvt Ltd is a pioneering R&D-based startup, focusing on developing innovative, cost-effective, Made in India drone solutions, including nano drones, and integrating AI to enhance military surveillance accuracy and effectiveness.

**Milestones and achievements:**

- Shortlisted for one of the biggest startup India events Startup Innovation Week 2022
- Winner in Sharda tech expo 2022 organised by DRDO and STARTIN UP
- Secured all India position 3 in idex Indian navy challenge across India
- The only company which qualified for Him-Drone-Athon in the nano drone category Organized by the Indian army.

Products



IDR AGOCHAR MK-1  
*Always ready to go*



IDR DOOT MK-1  
*The First Responder*



PARUSH MK-1  
*The Instant Destroyer*



IDR MAROOT MK-1  
*Control that you want*

Website Link: <https://www.idrrnd.com/>

Location: Greater Noida, Uttar Pradesh, India

