Cohort Details

aisea

AFI i-TIC Foundation Social entrepreneurship accelerator

About aisea

AISEA is an accelerator program, sponsored by Department of Science and Technology, Government of India and set up jointly by Action For India and i-TIC Foundation of IIT Hyderabad. AISEA helps early stage tech enabled social enterprises in the field of Healthcare, Education and Agriculture.

The accelerator mainly focuses on enterprise's business to scale, apply cost effective business models, explore wide market access by providing support for investment, mentoring, technology and government connections.

Cohort in numbers:

119
Applications received

15
Startups selected

83
Mentors associated

15
On-demand Coaches

116+
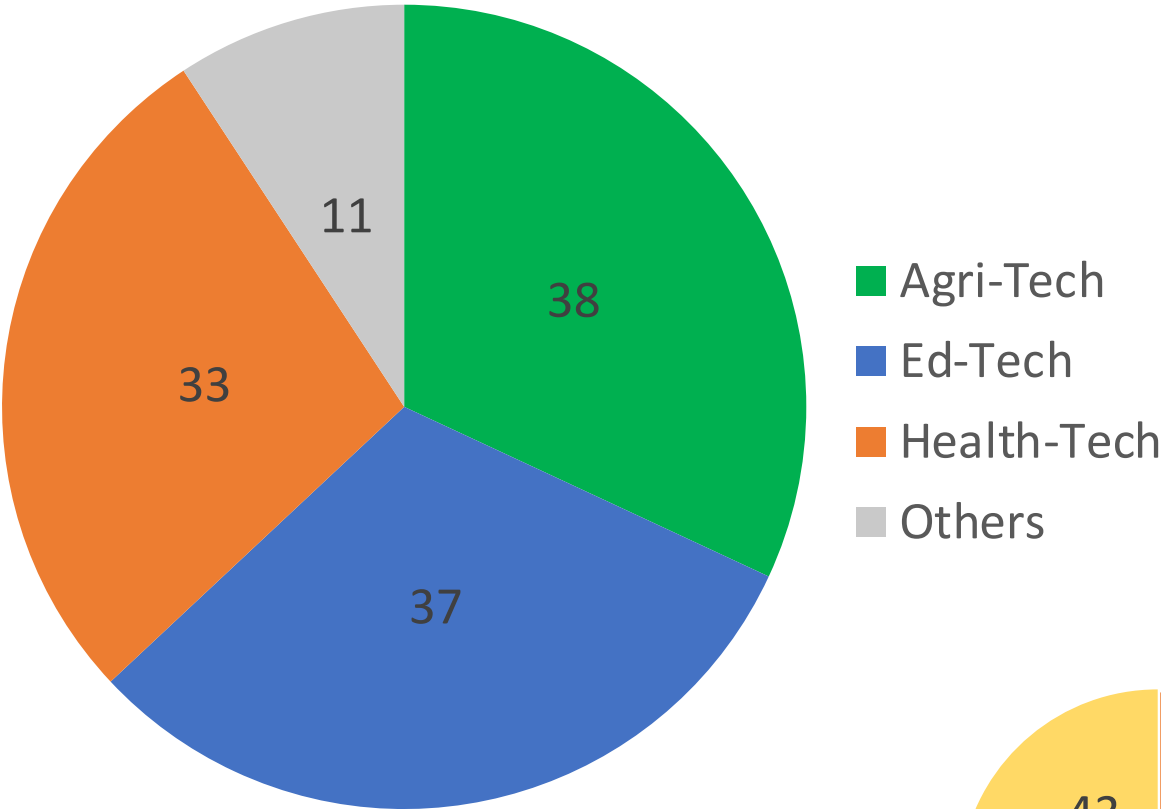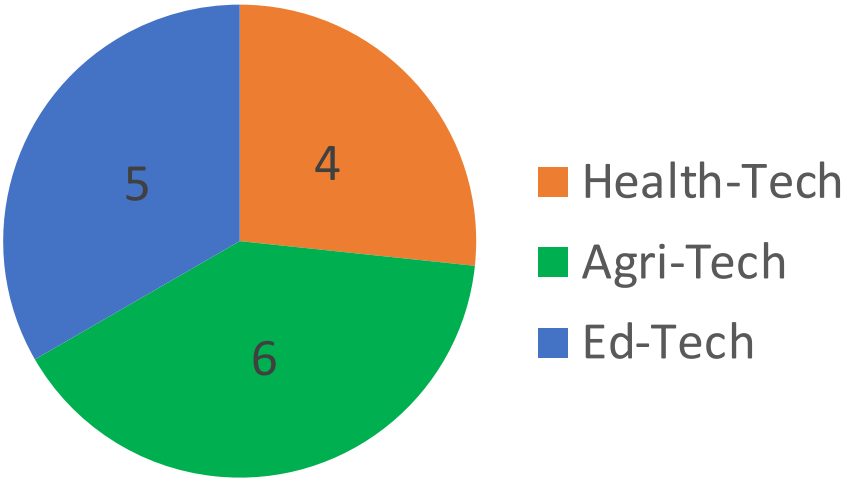Hours of total mentoring

150+
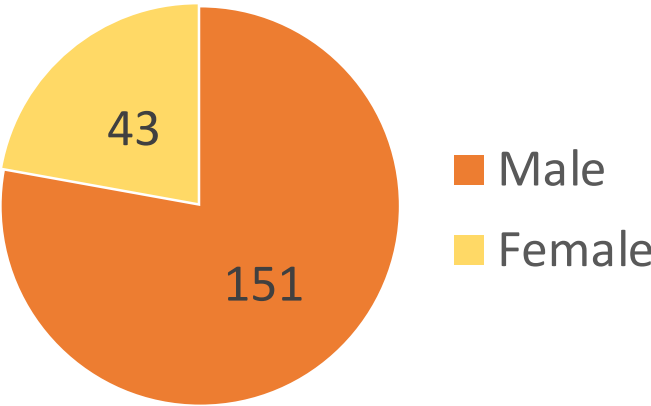Connections established

7
Huddle sessions
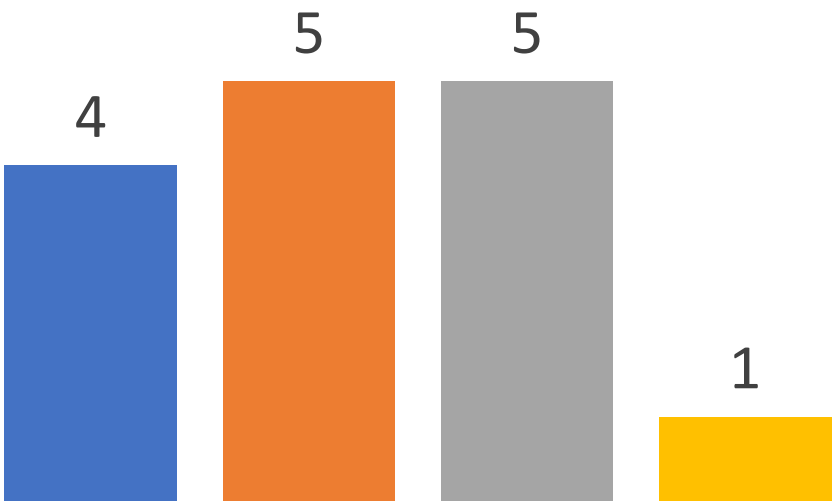
18
Guest interactions

Analytics from the Cohort

Total Applications
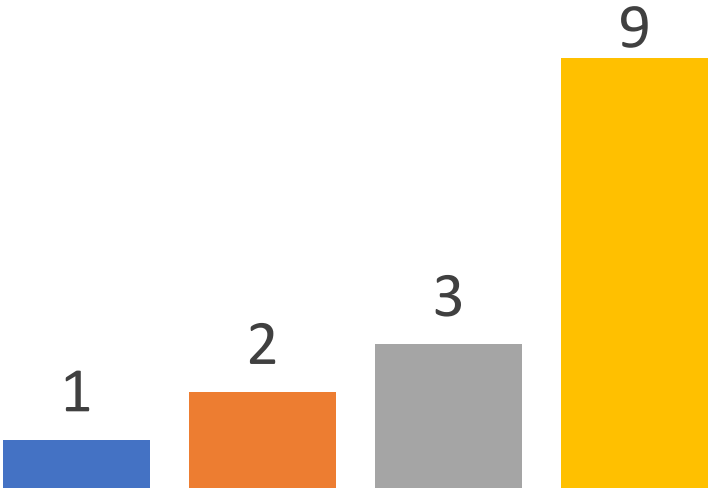
Agri-Tech 38
Ed-Tech 37
Health-Tech 33
Others 11

Selected applications

Health-Tech 4
Agri-Tech 6
Ed-Tech 5

Gender Ratio

Male 151
Female 43

Founder matrix

Solo founder 4
2 founders 5
3 founders 5
3+ founders 1

Age of Startup

< 1 year 1
1-2 years 2
2-3 years 3
3+ years 9

Cohort Startups

Ed-Tech

I-Stem

TAGHIVE

Trestle Labs
Unlocking Aspirations

S Socratease

ACadru
Multi-disciplinary learning

Agri-Tech

KRISHITANTRA
Harvesting Happiness

EF Polymer

EASY KRISHI

XMACHINES

urdhvam
Environmental Technologies Pvt. Ltd

AI-GENIX
INTERNATIONAL PVT LTD

Health-Tech

Onward Assist

innerhour

NirNal
PURITY IN YOUR POCKET

MARUT
- DRONES -

I-Stem

About

I-Stem empowers students and professionals with disabilities through a SaaS platform with a special focus on STEM Education.

Problem Statement

Severe lack of support and awareness of how to support students and employees with disabilities leading to organizations and institutes either closing their gates or people dropping out due to lack of facilities. The very few existing disability offices that exist in India and abroad are understaffed and the traditional methods of providing services to people with disabilities are often expensive.

Products or Services

SaaS platform to help educational institutes and businesses support their students and employees with disabilities by automating administrative processes and conversion of printed and handwritten text into accessible formats for the blind and high quality real-time custom captioning for the deaf and hard of hearing.

Value Proposition

Helps organizations set up Virtual Disability Management Processes and automate services for their students and employees with disabilities at extremely cost-effective rates.

Key Highlights

- Active community of nearly 200 students with disabilities
- 7 academic partners and 11 corporate partners
- First platform to accurately identify and convert inaccessible STEM documents
- Support for custom real-time captioning
- Microsoft's AI for accessibility grant

Founding Members

Kartik Sawhney | Akashdeep Bansal | Shakul Raj Sonker | Sunil Choudhary

Team Size

4 Co-Founders | 2 Software Engineers | 2 AI Scientists | 1 UX/UI Designer

Target Market

Educational institutes | Businesses | People with disabilities

Date of Establishment
October 2019

Current Investors
Equity-free investment from UNICEF Innovation Fund

Revenues till date:
None

Ask
INR 1 Cr

Rationale behind ask
Product Improvement
Market Launch

Ed-Tech | Tag Hive

TAGHIVE

About

TagHive Inc. is a Samsung-funded Ed-Tech company headquartered in South Korea. The company mainly offers clicker-based classroom response systems("Class Saathi" in India, "Class Key'' in other countries) and AI-powered self-assessment solutions..

Problem Statement

Unpredictable and mis-managed drop-out rate of students

Products or Services

Class Sathi/Class Key: Clicker based Classroom Response System

AI-powered Self-Assesment System

Value Proposition

World's 1st Mobile Based Clicker Solution that works even in offline-mode

Key Highlights

- Launched in MP

- 21 IPs Filed / 13 IPs Granted

- Best Education Start-Up of 2019

Founding Members

Pankaj Agarwal

Team Size

1 Founder | 4 Developers | 1 Operations | 6+ others

Target Market

Primary Schools | Government

Date of Establishment
April 2017

Current Investors
Samsung Ventures / Enlight Ventures / $10M / 20%

Revenues till date:
INR 180 lakhs

Ask
INR 5 Cr

Rationale behind ask
Scale-Up

About

Trestle Labs is an Assistive Technology company empowering visually-impaired people by enabling Real-Time Audio Access to any Printed, Handwritten & Digital content, across multiple Indian and foreign languages and thus, moving towards inclusive Education and Employment.

Problem Statement

253 Million Visually-impaired people globally and 57 million in India lack equal Education and Employment opportunities as they cannot access Printed, Handwritten and Digital content on their own. They are heavily dependent on Braille and Audio-books. 80% of the employable Visually-impaired are unemployed. Even those who are employed, don't have the right tools to enhance their productivity, resulting in them staying at same job roles all their lives.

Products or Services

1. Kibo mobile application: On-the-go access to any Analog and Digital content along with the repository of 1 million+ books.
2. Kibo XS device: Scanning and reading device compatible with PC/Laptop/Mobile to listen, translate and digitize analog content.
3. Kibo Desk Portal: Web based SaaS solution to digitize and translate inaccessible, non-unicode, non-searchable and non-machine-readable PDF documents to formats like .doc, .docx, .txt

Value Proposition

Our product and service suite, Kibo helps to listen, translate and digitize any Printed, Handwritten and Digital content across multiple Indian and foreign languages, all for visually-impaired people.

Key Highlights

- 1 Patent-published (awaiting final approval)

- 8 Grants

- 17+ Awards

Founding Members

Akshita Sachdeva | Bonny Dave | Abhishek Baghel

Team Size

3 Co-founders | 2 Developers | 1 Tester | 1 Marketing Intern | 1 iOS Development Intern

Target Market

Inclusive Schools & Universities | Blind Schools | NGOs | Companies employing persons with Vision-impairment | Government | Vision-impairment individuals

Date of Establishment
November 2017

Current Investors
Grants worth INR 61 L from various institutes

Revenues till date:
INR 30 lakhs

Ask
INR 50 L

Rationale behind ask
Customer Acquisition, Team Building

Ed-Tech | Socratease

About

Socratease is an e-Learning platform that makes it very easy to create interactive content. The interactiveness of the content engages users, and helps discover learning gaps.

Problem Statement

There is lack of simple tools for creating engaging content. Moreover, as users interact with the content, educators want to know what users think of the content, and what the learning gaps are. Traditional content formats like text and video cannot answer these questions.

Products or Services

Content Management System making it easy to create Interactive and Engaging Learning Content

Value Proposition

Socratease provides content creators with content creation tools which have high degree of interaction.

Key Highlights

- eLearning platform for a European Union Erasmus+ Project.

- Learning Platform involved in digitizing 50 Tribal Schools in Telangana.

- Filed 3 Provisional Patents.

Founding Members

Jayanth Neelakanta

Team Size

1 Founder | 2 Developers | 1 Designer | 1 Curriculum Expert

Target Market

Educators and Learning Content Creators (Teachers/Textbook Publishers/Educational Institutions)

Date of Establishment
January 2019

Current Investors
None

Revenues till date:
INR 25 lakhs

Ask
INR 1 Cr

Rationale behind ask
Team Building (Sales & Tech.)

A©adru
Multi-disciplinary learning

About

ACadru is a profile building platform targeted at high-school and college students. The platform is presented as a library of multi-disciplinary content modules which help the learner get an in-depth idea, explore projects and build deep skills - to help acquire critical 21st century skills through an interest based curriculum focused on projects.

Problem Statement

Lack of ways to develop confidence and marketable skills for the future job market for students and young adults to get themselves ready for the transformation that the Fourth Industrial Revolution would bring about.

Products or Services

Internet Library of multi-disciplinary interest based modules based on thought-leadership content leading to interest- thematic bucketing using AI.

Value Proposition

ACadru help learners in their quest to build their profiles aligned with their interests through explorations which help them fine tune and develop their interests, formulate connections across different subject areas, get inspired and commit to projects to build their skills.

Key Highlights

- Platform has 12,000+ organically acquired users with above par engagement levels

- 170+ learning modules

- Operationally profitable

Founding Members

Abhishek | Vidisha | Nitin

Team Size

3 Co Founders | 1 Content Lead | 2 content Creators | 1 Technical Lead | 1 Marketing Lead | 5 Freelancers

Target Market

High school students | College undergraduates

Date of Establishment
March 2017

Current Investors
None

Revenues till date:
INR 2.5 Crores

Ask
INR 15 Cr

Rationale behind ask
Native App Development, Customer acquisition, Partnerships

KRISHITANTRA
Harvesting Happiness

About

Provider of soil health management system and instant fertilizer advisory.

Problem Statement

Soil quality contributes to about 60% of the productivity of the crop. To enhance soil quality, the soil needs to be tested. Whereas, soil testing is shunned by farmers due to reasons like accessibility, time, cost, accuracy, interpretation

Products or Services

Krishitantra's flagship product, "Krishi RASTAA" is an indigenously developed solution to address all the problem areas mentioned above. We have developed a portable and most reliable way to determine the soil quality, now farmer can get his soil report instantly along with interpretation of the soil analysis.

Value Proposition

The solution is an automated system which takes soil as input and provides all macro and micro nutrients report within minutes. The system requires no expertise to operate, is portable and can also be powered by solar. The system generates report and our cloud based interpretation and advisory provides the farmer required information on his mobile phone in regional language.

Key Highlights

- Award from ISBA Start-up awards 2019
- Applied for patent
- Processed 18000 tests in 8 months

Founding Members

Sandeeo Kondaji | Dr Vishnuprasada V Bhat | Anand Bellan

Team Size

3 Co-Founders | 4 Developers | 3 Support Engineers | 2 Back office

Target Market

FPO | Agri-Input companies | Contract farming | Government Soil health card program

Date of Establishment
March 2017

Current Investors
IITB-SINE, IIMK-LIVE, Indigram Labs

Revenues till date:
INR 70 Lakhs

Ask
INR 8 Cr

Rationale behind ask
Investment to fuel business expansion to PAN India and outside Indian market.

EF Polymer

About

EF Polymers has designed a natural Water-Retention Polymer by using biodegradable waste that comes from juice industries.

Problem Statement

Water shortage due to low-rainfall and depleting reserves is leading to under-utilisation of land, crop-ruin and low-production on farms because of lack of water for irrigation purposes.

Products or Services

Eco-friendly Water Retention Natural Polymer is working on properties of SAP which can absorb water of 150 times of their own weight and have a high capacity to store water for long time.

Value Proposition

Pure natural, bio-degradable, pollution free, eco-friendly Water retention polymer produced by using bio-waste with degradable ingredients which is economical in cost.

Key Highlights

- Award by President of India through GYTI,
- Award by Royal Academy of Engineering London
- Award by Startup India.

Founding Members

Buddhi Prakash Gurjar | Narayan Lal Gurjar | Puran Singh Rajput

Team Size

3 Co-Founders | 2 Team members

Target Market

Farmers | Gardeners

Date of Establishment
January 2018

Current Investors
Investments and grants of INR 1.24 Cr

Revenues till date:
INR 2 lakhs

Ask
INR 5 Cr

Rationale behind ask
Scaling up, Access to network

Easy **KRISHI**

About

Easy Krishi offers organic fertilizers using cutting edge technologies to enhance the lives of small and marginal farmers by marrying ecological and economic goals.

Problem Statement

Small and marginal farmers don't grow commercial trees even though they're lucrative due to long waiting periods.

Products or Services

Organic fertilizer enabling ~7.5X faster tree growth thus, de-risking the decision of small and marginal farmers to grow trees.

Value Proposition

Organic Solution that out-performs currently used chemical alternatives.

Key Highlights

- Our company has been doing Agri-inputs trade with lifetime GMV of INR 4.5Cr.
- Product is new entrant and going through the necessary regulation and certification process to sell in India.
- Testing internationally in Botswana, Netherlands and Canada.

Founding Members

Prabhav | Ashwin Sreenivasan

Team Size

2 co founders | 1 Manager | 3 sales employees | 2 R&D | 3 sales agents

Target Market

Government | Farmers

Date of Establishment
May 2016

Current Investors
Angel investors - 20L
Friends and family- 26L

Revenues till date:
INR 35 lakhs

Ask
INR 2 Cr

Rationale behind ask
Growth capital, Product certifications for International Trade

XMACHINES

About

XMachines is developing robots & AI for high-growth potential markets to have a positive social impact. Current product lines include Robots for Precision Agriculture & Robots for material handling operations in hazardous industries.

Problem Statement

Adverse affect on Produce Quality and Profitability of Indian Farmers because it is hard to find cheap, effective farm labor "on time".

Products or Services

AI-driven Robots for farm operations which can be rented on demand via Mobile App.

Value Proposition

- Let's farmers finish their farm operations on time - every time
- Cuts-down costs by up to 72% and thus, increases the yield quality and chances of profitability
- Mechanizes farm operations even beyond certain crop height unlike traditional tractors.

Key Highlights

- Established partnership with IIIT-H, ISB-H, ICRISAT
- Grants from BIRAC, DST

Founding Members

Trivikram Kumar D

Team Size

1 Founder | 3 Team Members

Target Market

Farmers across India growing dry crops (Cotton, Vegetables, Flowers, Tobacco, etc.)

Date of Establishment
May 2017

Current Investors
INR 68 Lakh from IIIT - Hyderabad, ISB - Hyderabad, BIRAC, Angel Investor | Valuation of INR 8 Cr

Revenues till date:
None

Ask
INR 16 Cr

Rationale behind ask
Sales & Marketing, Production Set-Up, R&D

Agri-Tech | Urdhvam

About

Urdhvam is a a groundwater sustainability company, trying to revive failed and low yielding borewells using innovative and patented Smart Rain Water Harvesting Technology with the name of "BoreCharger".

Problem Statement

Groundwater depletion is a root cause of many modern issues such as farmer suicides, loss of agriculture production and income, fluoride & water quality related fatal diseases, unsustainable & unviable businesses, loss of green cover, nonperennial streams, etc. In search of water, Borewells are drilled which tap deeper aquifer systems where natural percolation of rainwater doesn't reach. Unregulated rapid pumping without any harvesting of rainwater results into Borewells going dry and failing eventually.

Products or Services

BoreCharger Technology increases recharge of borewells and hence water production capacity or yield of an existing borewell with very low investment. BoreCharging is a unique process which "perforates" existing borewell casing in-situ from inside. It potentially revives existing, failed and low yielding wells & doesn't need civil construction, space and surface water source.

Value Proposition

- Affordable, low-maintenance, no construction needed
- Applies to any borewell and no surface water required
- Upto 20X Increase in Recharge from Natural Recharge
- Longevity increased by 1-6 months
- Induces artificial induction of 2-80 Lac Litres of rainwater

Key Highlights

- 780 implementations in past 18 months in 7 States of India and in Benin, West Africa
- Applied for a patent for BoreCharger Tool and Process
- Recognition & grants from Hindustan Unilever Foundation and Villgro
- Awards: Maharashtra State Innovation Society Award, Rotary Water Award, Adhunik Gram (Smart Village) Program by NABARD & Indigram Labs, etc.

Founding Members

Rahul Bakare | Vinit Phadnis

Team Size

2 Co Founders | 5 Sales & Marketing | 4 Hydrogeologists | 6 Ops Support Staff

Target Market

Individuals (farmers, house owners) |Institutions (Schools, Colleges, NGOs, CSRs) |Businesses (Hotels, Industries) | Local/State Government (GPs, ZPs, Water Department) | Other bodies who own borewells and are facing water scarcity issues

Date of Establishment	Current Investors	Revenues till date:	Ask	Rationale behind ask
October 2017	Convertible Debt/ CIIE Startup Oasis / INR 87 lakhsGrant/ Hindustan Unilever Foundation-Villgro / INR 30 lacs	INR 75 lakhs	INR 2 Cr	Scale-Up, Expansion, R&D, Sales & Marketing

AI-GENIX
INTERNATIONAL PVT LTD

About

AI-Genix works towards sustainable farming, pesticide-free crop and plant protection against insects.

Problem Statement

Farmers and scientist across the world are struggling to protect the crops from the insect pests.

Products or Services

BraveHawk™: Artificially Intelligent Pest Management Devices.

eBionic™ : Bioelectronic Pest Management Technology

Value Proposition

- Saves 95% of cost incurred on crop protection
- 30% to 40% increase in yield.
- Safeguards the beneficial insects and nurtures their population in farm

Key Highlights

- IP filed in the year 2020

- Best Indian Social Enterprise Award

- Best Woman Entrepreneur Award

Founding Members

Shahnaz Shaikh | Khalil Shaikh

Team Size

2 Co-Founders | 2 Technicians | 1 Accountant

Target Market

Corporate Farming Companies | Individual Cash Crop Growers | Government | Agriculture Research Institutes | Municipal Corporations

Date of Establishment
March 2014

Current Investors
None

Revenues till date:
INR 250 lakhs

Ask
INR 15 Cr

Rationale behind ask
Team Building, Marketing, Infrastructure.

Health-Tech | Onward Assist

About

Onward Assist is focused on improving cancer treatment outcomes and provides a Full-stack Pathology workflow and AI-based analytics platform for cancer pathology. This enables cancer pathologists and oncologists with automated analytics tools for faster and better reporting.

Problem Statement

50% of cancer patients receive treatments which don't work for them. A key contributor to better treatment decisions is provided by cancer pathologists. But India has only 600 expert cancer pathologists and the expertise is inconsistent across the group, leading to waiting lines, delayed treatments and suboptimal outcomes. Similar challenges exist in other countries as well, including the US and UK.

Products or Services

Cancer Pathology Reporting Platform combining Workflow Management Software with AI-based Analytics Modules.

Value Proposition

The Pathology analytics platform with AI-based diagnostic tools built for advanced prognostics that helps Hospitals, Labs and Pathologists improve their productivity and higher accuracy with distributed workflow, smart case distribution and productivity dashboards and analytics in betterment of cancer patients.

Key Highlights

- 8 clinical partnerships, 3 AI diagnostic tools in mature stage and now being clinically validated.
- Commercialisation in the US & India.
- Recognised among Top 50 AI startups in India
- Member, Leadership in Innovation fellowship, Royal Academy of Engineering London
- Winner, Microsoft Emerge X program for startups
- Winner - Startup Award from NHA (National Health Agency)
- Yale Sustainable Health Initiative Program - June 2019

Founding Members

Dinesh Koka | Vikas Ramachandra

Team Size

2 Co-Founders | 1 Chief Medical Offer | 9 ML Scientists | 3 Developers | 1 Product Manager | 1 Business Analyst | 4 Interns

Target Market

Cancer Institutes and Academic hospitals in Oncology | Diagnostic service provider networks |Private Hospitals with cancer pathology services

Date of Establishment
September 2016

Current Investors
1. IIIT Hyderabad Foundation
2. CIIE (IIMA) + Vijay Kedia + Lets Venture + Cowrks
3. BVR Mohan Reddy

Revenues till date:
None

Ask
INR 6 Cr

Rationale behind ask
Sales, Clinical Validations, Collaborations

MARUT
– D R O N E S –

About

Marut Drones is creating a solution for Sustainable Agriculture and Scalable Afforestation and pioneering the introduction of emerging technology like IoT, AI, Data Analytics and Machine Learning to the nascent Drone Industry in India and taking steps towards a sustainable and inclusive future.

Problem Statement

The number of deaths due to mosquito borne diseases like dengue and malaria globally is enormous and usually goes unnoticed by the public.

Products or Services

AI based Mosquito Eradication and Disease prediction

Value Proposition

Marut Drones is India's first drone technology developed using AI based prediction of mosquito density and larvae count, creates mosquito maps by location, gender, species and subspecies and also offers real-time reports to identify high and low risk areas using predictive analytics for diseases like malaria, dengue and chikungunya. It is moving forward with a vision to make India free of vector borne diseases.

Key Highlights

- Forbes 30 under 30 Asia list 2020

- Awards by Nasscom Technology Conference, 2019 and Government of Telangana

- Shah Lab Seed Grant 2020 by Purdue University

- Recognised by AGNIi among 26 most trending technology solutions from the country to help fight Covid-19

Founding Members

Prem Kumar Vislawath | Suraj Peddi | Sai Kumar Chinthala

Team Size

18 Members including 3 Co-Founders

Target Market

State Govt & Municipal Corporations and Foundations like Gates Foundation

Date of Establishment
April 2019

Current Investors
Kiran Dasari and Parshuram from Freshworks

Revenues till date:
INR 45 Lakhs

Ask
INR 15 Cr

Rationale behind ask
Business expansion, R & D

innerhour

About

InnerHour is a tech-enabled Mental Health Platform that supports people with their psychological needs. The firm is run by a team of mental health, technology and wellness professionals, passionate about changing the lives of millions of people who will benefit from psychological support in all aspects of their lives.

Problem Statement

197M people in India suffer from a mental health issue. 95% of them don't receive any treatment or care due to poor awareness, social & self-stigma, acute shortage of mental health professionals, high cost and variable quality of available services.

Products or Services

Curative Mental Health Platform providing evidence-based therapy, personalized activities and content pathways for a variety of mental health disorders.

Value Proposition

InnerHour provides series of free assessments, a range of CBT based self-help tools, delivered as personalized programmes, support communities and a step-care approach. It uses algorithms and data/intelligence with the guidance of trained therapists to identify unique user needs and create a highly personalized programme suitable for each user. There is the further optionality of engaging with a live therapist via text/voice/video; through a network of 150+ therapists across 60 cities in India.

Key Highlights

- Reached to 700,000+ people since inception with self-care product
- Hosts 400+ therapy sessions per month and has partnered with some of India's leading corporations
- Winner of the Columbia University Urban Works Innovation Challenge
- Graduate - Facebook India Innovation Accelerator challenge & Gray Matters Capital Calibrator

Founding Members

Dr. Amit Malik | Neha Kirpal

Team Size

2 Co-Founders | 5 Developers | 5 Clinicians | 3 Designers | 6+ other employees

Target Market

Individuals | Corporations | Universities

Date of Establishment
February 2016

Current Investors
Batliwala & Karani, Keshav Sanghi, Nikunj Jhaveri, Rahul Rege, Pallavi Kaul and Shefali Batra

Revenues till date:
INR 179 lakhs

Ask
USD 5 million

Rationale behind ask
Product Development, Growth

Health-Tech | Nirnal

NirNal
PURITY IN YOUR POCKET

About

Nirnal is creating Innovative cost-effective portable water filter so people can get safe drinking water anytime anywhere. The start-up aims to reduce global environmental pollution challenges by re-use of PET bottles.

Problem Statement

Lack of safe and pure drinking water & pollution caused due to use and throw of PET bottles.

Products or Services

NirNal Water filter : Reusable water bottle with integrated disposal filter

Value Proposition

- Innovative Cost-Effective Portable Water Filter
- Safe drinking water anytime anywhere.
- As much as 30X cheaper than corporate competitors
- Flexible & can fit into any PET Bottle

Key Highlights

- Supplied 2,00,000+ filters to Govt. Schools, Farmers & Labourers, Indian Armed Forces, Assam & Karnataka Floods

- Internationally supplied to Africa, Singapore, Indonesia, Qatar, USA and more.

- Dr APJ Abdul Kalam Memorial Award – ISBR Bangalore- Award by Azim Premji Foundation

- 3M-CII Young innovation challenge National Award

Founding Members

Niranjan Karagi

Team Size

1 Founder | 1 Manager | 1 Developer | 2 Sales | 3 Employees

Target Market

Schools | Farmers | Laborers | Govt. | Business Community

Date of Establishment
July 2016

Current Investors
None

Revenues till date:
INR 1 Cr

Ask
INR 1 Cr

Rationale behind ask
Marketing, Team Expansion, Growth

Reach out to us on
info@aisea.co

ACTION FOR INDIA

aisea

i-TIC Foundation
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