

FORUM FOR INNOVATION INCUBATION RESEARCH & ENTREPRENEURSHIP

Don Bosco College Campus, Fatorda, Margao, Goa

June 2nd 2023

Department of Science and Technology Govt. of India
initiative to support startups in the prototyping phase,
the scheme is facilitated through FiIRE.

NIDHI PRAYAS

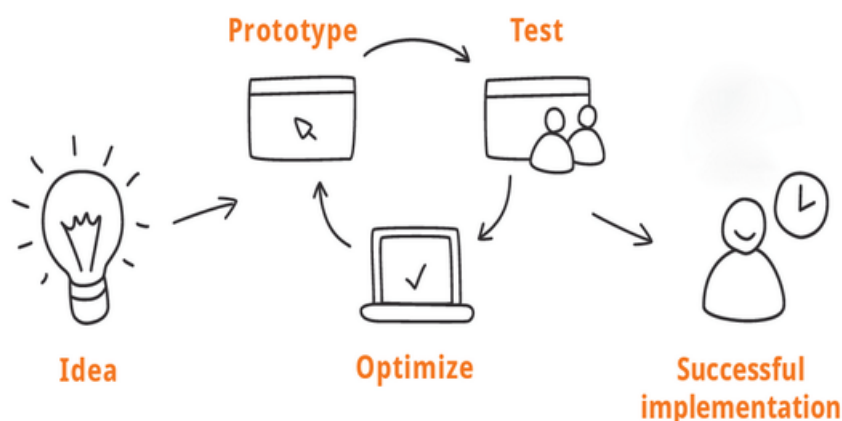
BATCH 1

#FiIREForGoa #TourismTech

National Initiative for Developing and Harnessing Innovations (NIDHI) is an umbrella program conceived and developed by the Department of Science & Technology (DST), Government of India, for nurturing ideas and innovations (knowledge-based and technology-driven) into successful start-ups.

Under this initiative, DST has launched NIDHI- Promoting and Accelerating Young and ASpiring innovators & Startups (NIDHI-PRAYAS) program. The program caters to idea-stage entrepreneurs with a physical product offering, who require support for prototyping for a duration of 12 months (1 year). It would also facilitate the innovators with the Physical infrastructure, Technical Guidance, Business Mentorship, etc.

Avail Grant – in – aid upto Rs. 10 lakhs for prototype development.



"Prototyping stands as a crucial stepping stone for innovators as they venture into the realm of building a startup."

SUPPORTED BY



STATISTICS

Number
of
Applications

98

Startups
Selected

5

Mentoring
hours

192

3

Commercialised

2

R&D Stage

IP

4

External funds
raised in INR

4.5 Cr



Registered Company Name: Dharaksha Ecosolutions Pvt. Ltd.

Project Title: Bio-Composite Packaging Out of Crop Stubble Waste

Transaction Model: B2B

Key people:

Arpit Dhupar CEO, Co-Founder

Anand Bodh CGO, Co-Founder

Sharad Rai Chief Scientist

Raunaq Mittal VP, Plant Operations

Sanjay Kushwaha DGM – Design & Operations

Priya Baruah Lead Product Development - R&D

Rudransh Garg Corporate & Strategic Communications

Description

We have developed a process to convert the Crop Stubble Waste (Parali) into useful Biodegradable Packaging material utilizing the power of Biotechnology. We have created a specific mix of ingredients (all waste material) such that when the mushroom strain (developed out of a wild strain native to India) is inoculated upon the mix, it starts to eat the waste mix as food and degrade lignin in the process. While the growth happens, the mycelium (root structure of fungi) completely covers the substrate material. This material is then transferred to specific shaped molds. When the mycelia grow inside the mold, it takes the shape of the mold and holds the substrate material very tightly together because of dense fibrous material growth. This material is finally dried in Oven to neutralize the strain. What is left is a bio-composite with properties similar to Thermocol (polystyrene).

Highlights

- Raised 3.9 Crore in Equity and 50 Lakhs in Debt
- First Plant – Faridabad.
- Closed sales of Rs 2 Lakhs
- Clients - Dabur Ltd, Barosi, and kraft packaging



Registered Company Name: Intellilogos Consulting LLP

Project Title: Paprrack: Smart IoT system for tracking and securing paper documents

Transaction Model: B2B

Key people:

Dr. Jonathan Joshi, CEO

Description

The concept presented entails a comprehensive system incorporating a smart paper file or folder, designed to facilitate the tracking and protection of physical paper documents. This innovation offers two distinct advantages. Firstly, it significantly reduces the time required to locate papers within office environments, from the current average of 20 minutes to a mere 3-5 minutes.

Additionally, it ensures that document access is strictly authorized, thereby guaranteeing document security. Leveraging our technology, users can effectively monitor and trace the movement of their documents. Secondly, this solution effectively thwarts paper document theft by promptly triggering an alarm system, thereby safeguarding the documents.

Highlights

- Startup Promotion Cell Seed Grant of Rs 10 Lakhs
- Received the 1st Paid piloting worth Rs. 4 lakh with Global Multispeciality Hospital, Mumbai.
- IP: Granted patent: Indian patent:332007, Follow-up patent filed: 202323005262



Registered Company Name: SruGenie Technologies Pvt. Ltd.

Project Title: Developing novel materials for making wearable assistive/medical devices

Transaction Model: B2B

Key people:

Dr. Monika Joshi, Director

Dr. Ganesh Bapat, Director

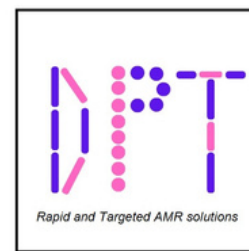
Description

As a MedTech start-up, we are focused on advancing the field by researching and creating innovative materials for coating assistive and medical devices. Our primary objective is to combat the spread of infections and reduce instances of skin infections among device users. To achieve this, we have developed a groundbreaking antimicrobial nanomaterial solution that can be seamlessly integrated into the manufacturing process of cotton fabric. Alternatively, it can be applied as a protective coating on the surface of sock liners. This specially coated nanomaterial exhibits strong antimicrobial properties against the common bacteria typically found on the skin of assistive device users, which are often responsible for causing skin infections.

By implementing our coated material, we effectively mitigate the healthcare burden associated with such infections, offering improved safety and well-being for the users.

Highlights

- Patented filing in progress
- Company Incorporated
- Rigorous product testing in underway



Registered Company Name: Diagopreutic Pvt. Ltd.

Project Title: The project aims to develop therapeutic and diagnostic avenues for Methicillin-resistant Staphylococcus aureus (MRSA) infection.

Transaction Model: B2B B2C

Key people:

Dr. Roshan Ratnakar Naik, Founder

Description

Diagopreutic Pvt Ltd is an early-stage startup involved in the development of innovative solutions for rapid diagnosis, prevention, and treatment of bacterial infections as part of Sustainable Development Goal 3 (SDG3). In line with target 3.8 (SDG3) to provide quality and affordable healthcare to all, the company has received validation of the indigenously developed Rapid ESKaPE diagnostic test from a NABL-accredited lab for visual color-based detection and antibiotic susceptibility of common urinary tract infection-causing bacteria within 6 hrs (patent pending) in comparison to current 48-72 hr detection timeline.

The kit provides diagnostic needs at 1/10th the price of the current diagnosis and results within 6 hrs, unlike more than 48 hrs with the current regime.

Highlights

- 1 Patent filed
- Clinical Validation completed



Registered Company Name: Srishti Robotics Technologies Pvt. Ltd.

Project Title: V-FILL CLOUD-BASED WATER MANAGEMENT AND MONITORING SYSTEM.

Transaction Model: B2B

Key people:

Vipin Mathew, Director

Shine Sreedhar, Founder

Description

V-Fill automates water tanks, maintaining optimal levels and preventing overflow. It replaces traditional controllers with advanced non-hydrostatic sensor technology, offering motor protection against dry-run, motor-jam, and voltage fluctuations. It works with all water pump types.

The first version will soon launch in the Indian market, while BIS and RoHS certifications are being pursued.

Highlights

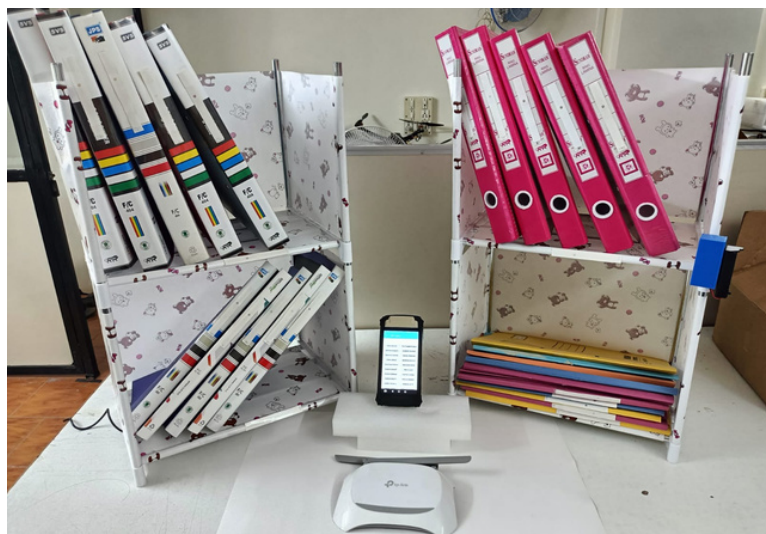
- The product is currently undergoing testing with various customers as part of the pre-launch phase.
- Clients: Starbucks Kochi, Darragh Builders, Infopark Hostel

NIDHI PRAYAS: PROTOTYPES

Dharaksha Ecosolutions Pvt. Ltd.



Intellilogos Consulting LLP

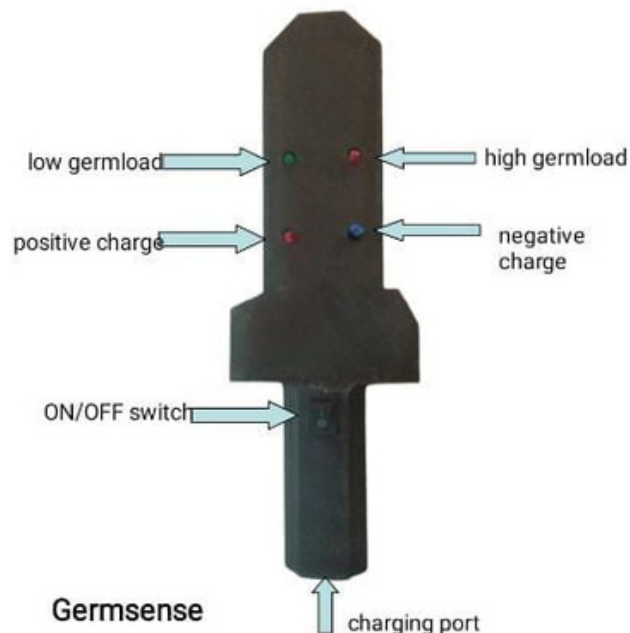


SruGenie Technologies Pvt. Ltd.

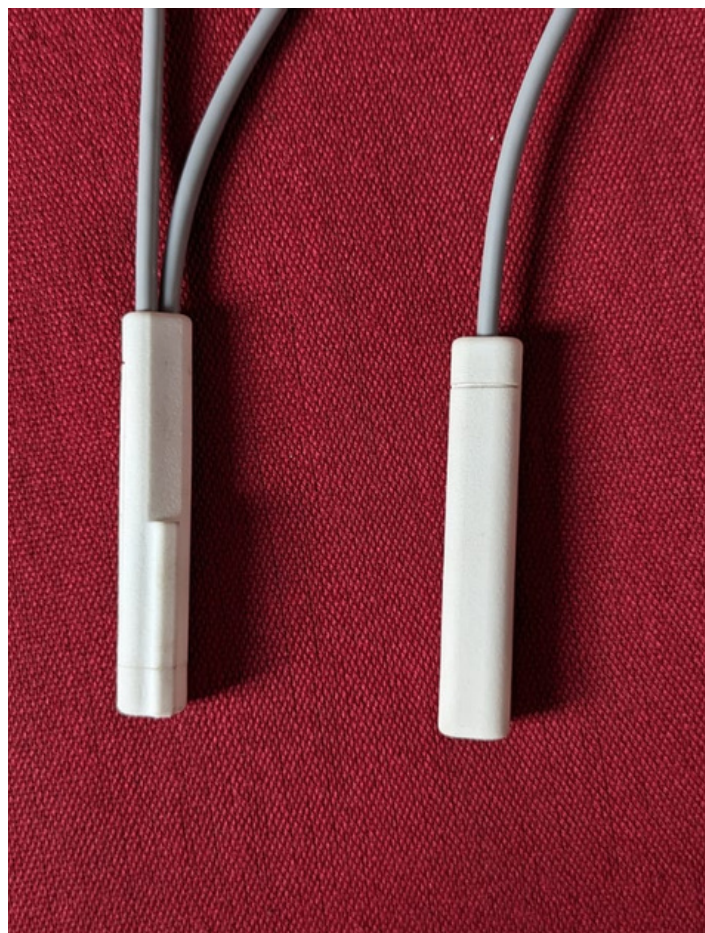


NIDHI PRAYAS: PROTOTYPES

Diagopreutic Pvt. Ltd.



Srishti Robotics Technologies Pvt. Ltd.



EVENT PHOTOS: NIDHI PRAYAS

Visit by Director DST - 06-10-2022

Shri. Praveen Roy, Scientist 'F' and Director Department of Science and Technology - Govt. of India visited FiiRE Goa's Design Centre, Prototyping lab, FiiREWork CoWorking Space and interacted with various startups working out of FiiRE Goa.



Visit by Dr. Hemant Madhukar Kulkarni -11-02-2023

Dr. Hemant Madhukar Kulkarni - Senior Principal Scientist, Technology Management Directorate, Council for Scientific and Industrial Research (CSIR) (Ministry of Science & Technology, Govt. of India) visited FiiRE Goa and interacted with our NIDHI PRAYAS and EIR applicants.

Visit by Brigadier AS Sawhney Indian Army - 28.09.2022

Brigadier AS Sawhney of the Indian Army visited FiiRE Goa along with his team, to get a sense of the startup ecosystem setup here.

The visit of Brigadier AS Sawhney and his team showcased the growing recognition and interest in the potential of startups and innovation within the Indian Army.



Pitch Training Session -15-12-2022

Pitch session at FiiRE Goa. This session provides an opportunity for these entrepreneurial ventures to present their concepts, products, and services to an audience of potential investors, mentors, and industry experts.

The pitch session serves as a platform for these startups to gain visibility, gather feedback, and potentially secure crucial partnerships or funding that can propel their ventures to new heights.

Mentoring Sessions by Shri. Kishore Shah

