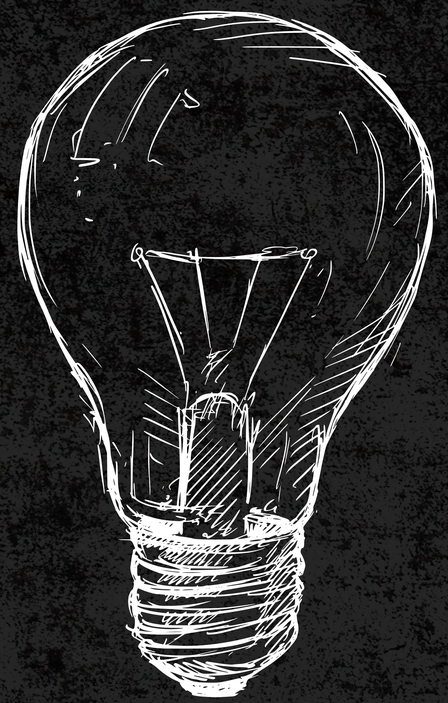
TECHIN
IIT PALAKKAD
A Synergetic Catalyst to Innovate

IIT PALAKKAD



Startups Innovation Compendium-2025

Technology Innovation Foundation of IIT Palakkad (TECHIN)

A Synergetic Catalyst to Innovate

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First printing, 2025.

V square Commercial Complex
Ground floor, Near HDFC Bank (Opposite to ITI Ltd.),
Kanjikode (Post), Palakkad (District), Kerala-678623

Acknowledgement

TECHIN’s journey has been defined by a shared commitment to innovation, collaboration, and excellence. Our progress has been made possible through the continued support and engagement of key stakeholders who have played a vital role in building a thriving entrepreneurial ecosystem.

We are thankful to the Chairman, Board of Directors, Technical and Financial Committees, faculty and staff of IIT Palakkad, funding partners, mentors, advisors, and our vibrant startup community, whose contributions have been fundamental to TECHIN’s progress

Chairman’s Message

Pleased to present this Compendium as a reflection of the dynamic innovation ecosystem nurtured at the Technology Innovation Foundation of IIT Palakkad (TECHIN), the incubator arm of IIT Palakkad. TECHIN operates with a mission to bridge academia and industry, foster impactful innovations, and support startups solving real-world problems.

TECHIN’s portfolio includes startups across critical national priority sectors such as water, sanitation, hygiene, healthcare, food technology, and other emerging technologies. TECHIN incubated startup solutions have several successful field deployments and many have realised customer adoption and generated sales revenues during last couple of years, thus creating measurable social and economic impact.

TECHIN organised a range of programs and events including the Samagra startup conclave, Entrepreneurship Development Programmes, Tech Connect events with MSMEs and industry stakeholders, and online/offline workshops for emerging entrepreneurs. These engagements have strengthened the innovation ecosystem, encouraging collaboration and knowledge exchange across sectors.

This Compendium showcases our startups portfolio, a glimpse of their entrepreneurial journeys and a brief on our flagship events and programs.

I extend my sincere appreciation for dedicated efforts from TECHIN team and the continued support of our Board of Directors, funding partners, mentors, collaborators, and well-wishers. Let us continue to innovate, collaborate, and build a better tomorrow.

Prof. A. Seshadri Sekhar

Director, IIT Palakkad &
Chairman, TECHIN

COO’s Message

At TECHIN, our vision is to transform promising ideas into impactful, technology-driven solutions that address some of the most pressing challenges faced by society today. We are proud to support startups working across critical national priority areas such as water, sanitation, healthcare, food, and agritech sectors that are essential to building a sustainable and inclusive future.

TECHIN has incubated several promising startups, many of which have progressed to advanced stages of growth, including revenue generation and market expansion. Several of our portfolio startups have also been recognized with prestigious national and international awards for innovation and impact.

What sets TECHIN apart is our comprehensive and hands-on approach to nurturing entrepreneurs. We provide end-to-end support that includes grant facilitation, structured mentoring, entrepreneurship development programs, access to test beds, field trial support, and curated platforms like demo days to showcase innovations to stakeholders and investors.

Our journey has been made possible through the unwavering support of IIT Palakkad. The institute’s strong academic foundation, cutting-edge research, and world-class infrastructure continue to enrich our innovation ecosystem. We are equally grateful to our board of directors, funding agencies, mentors, industry partners, and academic collaborators for their continued engagement and contributions.

This compendium brings together the stories of our startups and their efforts to create tangible solutions for real-world problems. It reflects the essence of TECHIN, a place where innovation is driven by purpose, and entrepreneurs are empowered to lead meaningful change.

As we look ahead, TECHIN remains committed to enabling technology-based entrepreneurship and contributing to a Viksit Bharat.

Midhu Unnithan

Chief Operating Officer
TECHIN, IIT Palakkad

Funding Partners

HDFC BANK PARIVARTAN
A step towards sustainable progress

Gates Foundation

West®

SYMEGA

PETRONET LNG LIMITED

JAYON®

Collaborators

Office of the Principal Scientific Adviser to the Government of India

EDUCATE . INNOVATE . IMPACT
IIT Palakkad Technology IHub Foundation
Driving automation for energy and safety

KMTC
KERALA MEDICAL TECHNOLOGY CONSORTIUM

IAPMO

GSCOE
GLOBAL SANITATION CENTER OF EXCELLENCE

TOILET BOARD COALITION

KIED
Kerala Institute for Entrepreneurship Development

Malabar Angels.

ALUMNI CENTRE

KERALA STARTUP MISSION®

iit ALUMNI India

TiE KERALA
FOSTERING ENTREPRENEURSHIP
'An entrepreneur in every home'

INDIAN MEDICAL ASSOCIATION
Largest Modern Medicine Doctors' Association in India

Keystone
A GROUP FOR ECO-DEVELOPMENT INITIATIVES

TECHIN

Technology Innovation Foundation of IIT Palakkad (TECHIN), a Section 8 not-for-profit company, was established as the incubator arm of IIT Palakkad. It serves as a collaborative entity with industries and academia to create an impactful innovation ecosystem that promotes entrepreneurs and startups.

TECHIN conducts pitch events, workshops, and hackathons throughout the year to nurture promising ideas and innovative solutions. Our initiatives empower these innovations to achieve commercial success while creating a positive impact on the society as a whole. Innovations / Startups are selected for pre-incubation, incubation, or acceleration based on their stage of growth and are provided multifaceted support to scale up their products and businesses.

35+
Startups Incubated

20Cr+
Fund Raised

125+
Jobs Created

200+
Individuals Trained

500+
Innovations Evaluated

25Cr+
Revenue Generated by Startups

80L+
Lives Positively Impacted

50+
Programs & Cohorts Completed

50k+
Sanitation Products Installed

20Cr+
Litres
Wastewater Treated

SaniTech

SaniTech

SaniTech incubates technological solutions and businesses in the domain of Water, Sanitation, and Hygiene (WaSH). In addition to incubation, the center supports the scaling of existing sanitation technologies, skill development, and training for maintenance and service personnel. It is supported by CSR funding from HDFC Bank Parivartan and the Gates Foundation.

MedTech
Research Center of Excellence

MedTech

MedTech supports startups specializing in medical devices, telemedicine, drug delivery systems, injectables, and diagnostics, providing resources for development and scaling. In collaboration with West Pharmaceutical Packaging India Pvt. Ltd., the center offers access to advanced facilities, industry expertise, and mentorship, ensuring startups receive the necessary guidance to bring innovative healthcare solutions to market.

Technology Innovation Center

Technology Innovation Center (TIC)

Technology Innovation Center (TIC) offers comprehensive business and technology mentoring support for startups across various other domains. Catering to both early-stage and advanced-stage startups, TIC provides tailored guidance to help entrepreneurs refine their business models, develop technological solutions, and scale their operations.

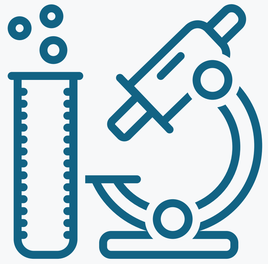
FoodTech

FoodTech

FoodTech aims to promote innovative startups that address challenges in food production, processing, and sustainability. The initiative offers funding, mentorship, and infrastructure to foster food security, environmental sustainability, and technology-driven growth in the food industry. It is supported by CSR funding from Symega Food Ingredients Ltd.

Service & Support

Incubation & Acceleration



R & D , Labs & Testing Support

Investors Connect

Funding & Financial Support

Go To Market and Outreach

Field Trials and Evaluation Support

Technical & Business Mentoring

Office Space & Infrastructure

Market Research and Consultancy

Marketing, IP, Legal Support

Training and Workshops

Commercialization & Technology Transfer

Thematic Areas

Water

Waste Management

Sanitation & Hygiene

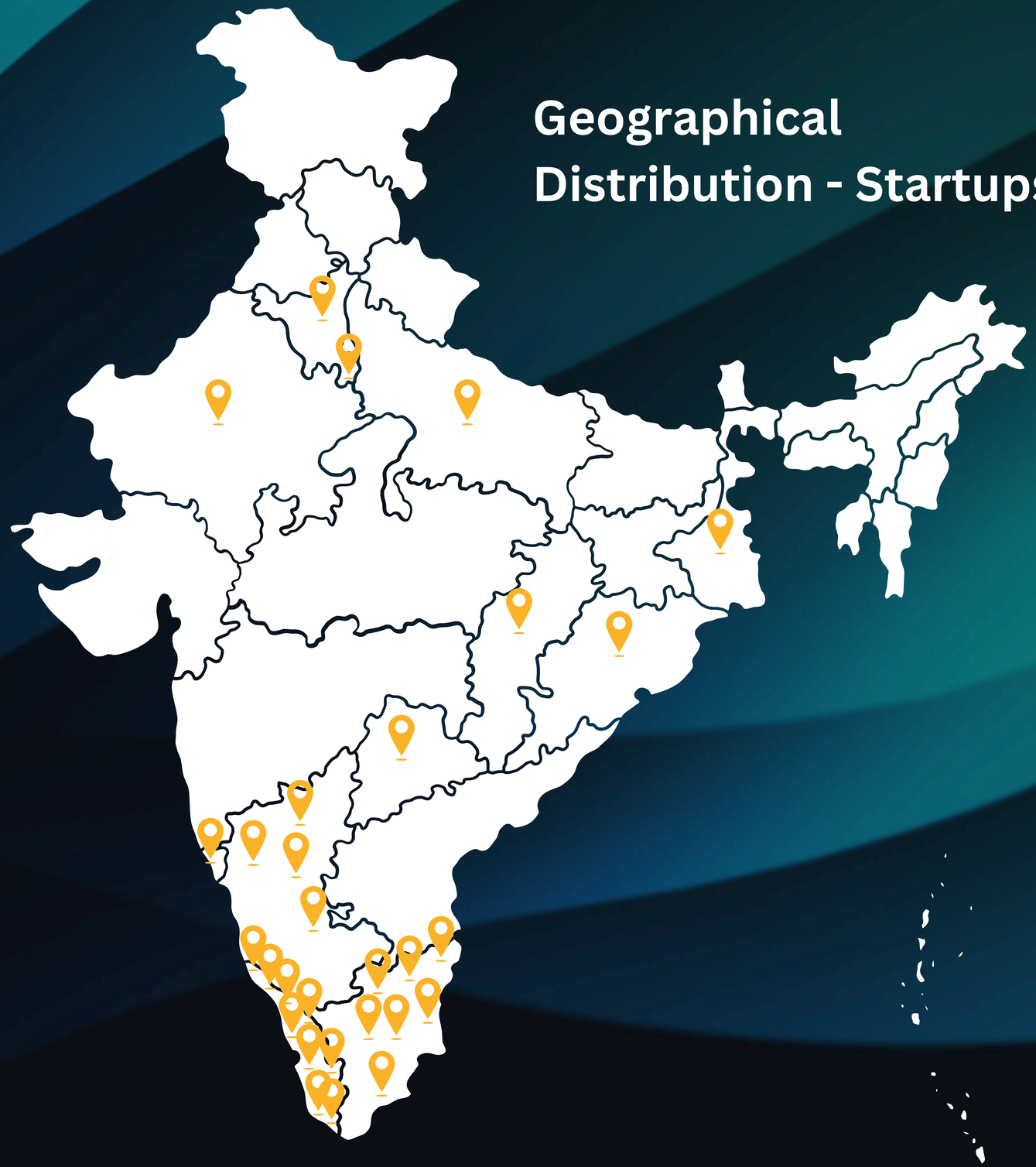
Medical Technology

Food Tech

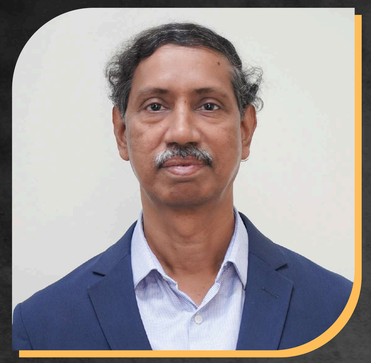
AgriTech

Other Emerging technologies

Geographical Distribution - Startups



Board of Directors



Prof. A. Seshadri Sekhar
Director, IIT Palakkad &
Chairman, TECHIN

Prof. Santhakumar Mohan
Dean, ICSR
IIT Palakkad

Prof. Ganesh Natarajan
Professor
IIT Palakkad

Dr. Arvind Ajoy
Associate Dean, ICSR
IIT Palakkad

Prof. Prabhu Rajagopal
Professor
IIT Madras

Dr. Rajan Srikanth
Founder
SmartKapital

Ms. Poyni Bhatt
Founder-member &
Former CEO- SINE IIT Bombay

Financial & Technical Committee

Prof. Santhakumar Mohan
Dean,ICSR, IIT Palakkad

Prof. Ganesh Natarajan
Professor, IIT Palakkad

Dr. Rajan Srikanth
Founder, SmartKapital

Dr. Vivek Chaturvedi
Associate Professor, IIT Palakkad

Dr. Anoop Akkoorath Mana
Asst. Professor, IIT Palakkad

Prof. Prabhu Rajagopal
Professor, IIT Madras

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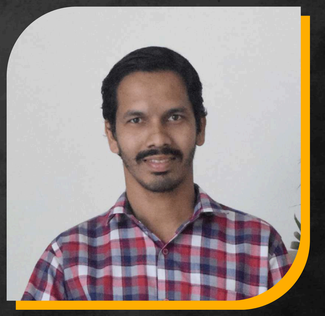
Associate Professor, IIT Palakkad

Dr. Praveena Gangadharan
Associate Professor, IIT Palakkad

Dr. Dinesh Jagadeesan
Associate Professor, IIT Palakkad

Dr. Sandeep Chandran
Associate Professor, IIT Palakkad

Dr. Revathy Padmanabhan
Associate Professor, IIT Palakkad



Dr. Pramod Kuntikana
Asst. Professor, IIT Palakkad

Team

Midhu Unnithan
Chief Operating Officer

Sarosh Kothandath
Project Manager

Ramya R
Senior Executive (Accounts)

Ranjith E R
Executive (Accounts)

Jiji M G
Program Coordinator

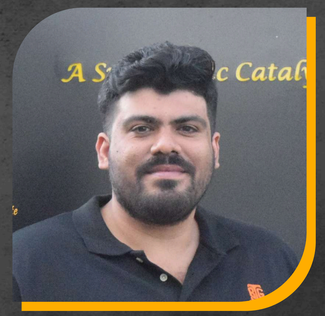
Praveen Kumar A
Program Coordinator

Ajish S
Admin Officer

Jude Arul Kumar
Training Officer

Deepak U P
Training Officer

Smruthi S
Training Officer



Kiran Kumar M
Training Officer

Binoy N
Attender

Our Incubatees

NIRGANDH
CLEAN I COMFORTABLE I HEALTHY

Robo Bionics
A Hand For Independence

ecovia

AVINYA INFINITY SOLUTIONS

S R Assistive Technologies

ReHumus
Technology Pvt Ltd

Biovidhan

CLUIX

HARICKEN PROCESS
INTENSIFICATION PRIVATE LIMITED

T-CON
UNIFLOW

AI Med

Aarvi Energy Filtrex &
Environmental Solutions

Our Incubatees

Sahayatha
Redefining Mobility for the Impaired

Aqualys Water Technologies Private Limited

Happy 60 plus

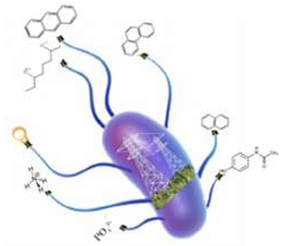
ENSECT FARM PRIVATE LIMITED

AMRIT MediTech

revin KRISHI

COSMOVEND AUTOMATIONS PRIVATE LIMITED

DromoLys Research & Development



Bactreat Environmental Solutions

PRITVICHAKR Innovations

Our Incubatees

MUNNARIVAN TECHNOLOGIES
PREDICTING HEALTH OF ENGINEERED SYSTEMS

SBPL
SUNDARBAN CHEMICALS PVT. LTD.

MetaTreat

INNOVATI

FemiCura™

BumbleBee
INSTRUMENTS PRIVATE LIMITED
An IIT Palakkad Incubated Company

VertoX

Agrifacture

Nimble Vision
Simplifying the way of life

VIOMAX

NIRGANDH

CLEAN I COMFORTABLE I HEALTHY

Nirgandh

Affordable biodigester toilets and super structures to help stop open defecation, conserve water resources and reduce water contamination

Mr. Madhu Sudan Thakar

Mr. Ashish Mehrotra

About the Startup :

Nirgandh aims to provide affordable, high-quality, environmentally friendly, and water conserving sanitation solutions, positively impacting the health of current and future generations. Working on its technology for on-site sanitation solutions, it breaks the long chain of containment, transportation, treatment, and disposal by treating human waste on-site. Nirgandh's vision is to provide environmentally friendly, water-saving, and affordable WaSH systems for healthy sanitation practices that save lives and increase economic activity potential. Since its inception, Nirgandh has installed a large number of bio toilets comprising domestic toilets, public and community toilets as well as toilet facilities for commercial and office establishments across India, collaborating with various government bodies, NGOs, and corporates. As a notable deployment, Nirgandh installed over 10,000 bio-toilets at the Mahakumbh Mela 2025, contributing to improved large-scale sanitation infrastructure at one of the world’s largest public gatherings.

About the Innovation :

Nirgandh offers sustainable sanitation solutions through a decentralized fecal sludge management system based on advanced bio-digester technology. The innovation includes a modular suite of products–bio-digesters, toilet superstructures, and community-level sanitation units–designed to address a wide range of use cases including individual households, public and community toilets, and cluster-level sanitation systems. These solutions are adaptable to diverse geographical terrains such as deserts, plains, and mountainous regions, and perform effectively under varying weather conditions. At the core of this innovation is a low-water-consumption toilet system that uses a bacterial inoculum to biologically digest human waste, thereby eliminating sludge and significantly reducing environmental impact.

www.nirgandh.com

ashish@nirgandh.com

NIRGANDH
TECHIN

निर्गन्ध

निर्गन्ध

ecovia

Ecoenso Technologies

Range of sustainable hygiene solutions designed for greener and more efficient maintenance of sanitation facilities

Mr. Aman Virmani

About the Startup :

Ecoenso develops and supplies environment-friendly hygiene solutions designed to replace conventional chemical-based cleaning products. These solutions aim to help users reduce cleaning costs by up to 40% while contributing to environmental goals such as minimizing single-use plastic, conserving freshwater resources, and lowering carbon emissions. The offerings are targeted toward improving operational efficiency without relying on traditional chemical-intensive methods. Their mission is to make sustainable choices more accessible and practical for routine operations.

About the Innovation :

Ecoenso disinfectant solutions, specifically engineered to coat toilets and washroom surfaces, providing a way to reduce water usage and minimize the frequency of cleaning. Utilizing advanced anti-staining and anti-microbial technology, their solution guarantees a pristine and odor-free user experience, ensuring superior hygiene and cleanliness. One of the standout benefits of the solution is its water-saving capability. By implementing this technology, can save liters of water with every urinal. This not only contributes to significant cost savings but also supports environmental conservation efforts.The protective coating reduces the buildup of grime and limescale, making maintenance quicker and less labor-intensive for cleaning staff. By minimizing corrosion and residue accumulation, the solution helps prolong the lifespan of washroom fixtures, reducing the need for frequent replacements.

www.ecovia-pro.com

virmani1996@gmail.com

Advance Nano Materials

AVINYA INFINITY SOLUTIONS

Avinya Infinity Solutions

A smart disinfection device combining ultrasonic mist and UV-C light to enhance hygiene and reduce infections in healthcare facilities

Mr. Arijit Majumdar

Mr. Brajogopal Chakraborty

About the Startup :

Avinya Infinity Solutions is a technology-driven startup focused on transforming the sanitation sector through IoT-based smart sanitization solutions. The company develops advanced systems to address key challenges in sanitation management, with an emphasis on improving operational efficiency and hygiene standards. Its efforts have been recognized at the national level, including receiving the National Startup Award from Startup India. Avinya Infinity Solutions continues to innovate and deploy technologies that support more effective and sustainable sanitation practices.

About the Innovation :

Avinya's innovation was driven by the development of the next-generation automated disinfection system, known as UVM+. The UVM+ is an advanced disinfection device designed to enhance hygiene standards in healthcare facilities. It combines ultrasonic dry mist technology and UV-C light to provide comprehensive air and surface sanitization. Key features include automated operation, human detection safety sensors, low liquid consumption. The system is optimized for rapid deployment across various clinics and hospital environments. Its compact design and smart scheduling capabilities make it an ideal solution for continuous infection control without disrupting routine medical operations. By integrating cutting-edge technologies, UVM+ not only ensures superior disinfection but also supports hospitals in maintaining high safety standards efficiently.

www.avinyainfinitysolutions.com

office@avinyainfinitysolutions.com

JOHNYSILVESTER
CHIEF DENTAL SURGEON

MULTI SPECIALITY
DENTAL CLINIC

COSMODENT

Winner
SOLUTIONS
Founder
Arijit Majumdar,
Brajgopal Chakraborty
SMT. SUMITA DAWRA
SPECIAL SECRETARY, DPIIT
SHRI SANJIV
JOINT SECRETARY, DPIIT

MUNNARIVAN TECHNOLOGIES
PREDICTING HEALTH OF ENGINEERED SYSTEMS

Munnarivan Technologies

IoT devices on sanitary wares that can monitor, sense and diagnose early-stage renal, inflammatory and urinal diseases

Mr. U. Pirabu Kannan

Dr. S. Boominatha Sellarajan

Mr. Deep Singh

About the Startup :

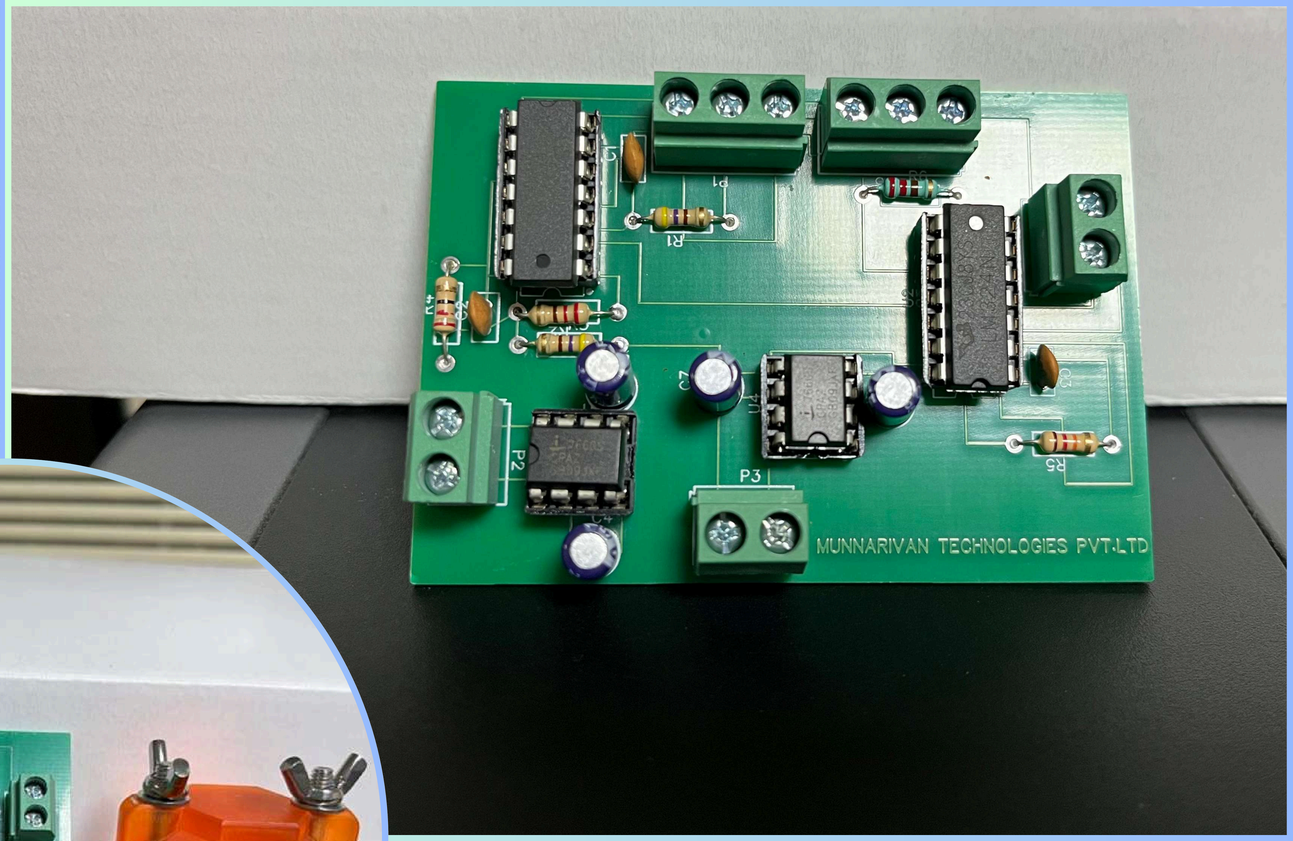
Munnarivan Technologies develops advanced digital twin technologies for health and performance monitoring. The company focuses on providing real-time, precise information to industries and individuals for proactive decision-making. Specializing in portable IoT-enabled devices for heavy metal detection, it addresses health risks associated with heavy metals such as lead, mercury, arsenic, and cadmium. The technology is designed to enhance monitoring and mitigation efforts in various environments.

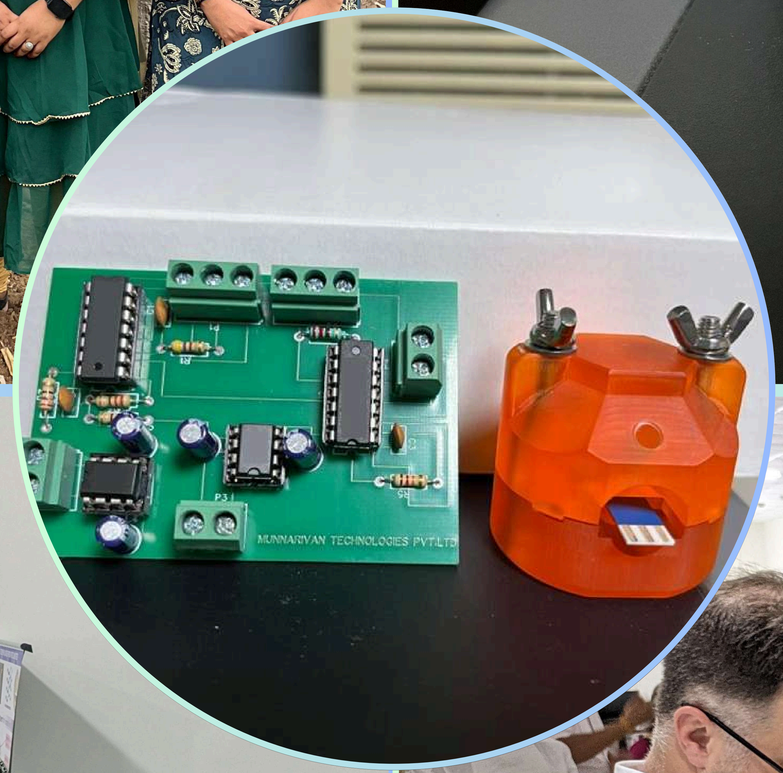
About the Innovation :

Munnarivan Technologies is developing an innovative solution for monitoring heavy metal content in the human body with their Portable IoT-enabled heavy metal detection device. This technology can enhance public health and individual well-being. Heavy metals such as lead, mercury, arsenic, and cadmium are highly toxic, even at low concentrations. Prolonged exposure to these metals can cause severe health issues, including neurological damage, organ failure, immune system suppression, and an increased risk of chronic diseases like cancer. By accurately monitoring the levels of heavy metals within the human body, this device enables early detection and intervention, potentially preventing the onset of these serious health problems. Furthermore, understanding and mitigating the risks associated with heavy metal exposure can lead to a substantial reduction in related health issues and improve overall quality of life. Munnarivan Technologies' Portable IoT-enabled heavy metal detection device represents a critical advancement in public health measures, offering a proactive approach to safeguarding individuals from the dangers of heavy metal toxicity.

munnarivan-technologies-private-limited

munnarivan.tech@gmail.com
deepsingh.0318@gmail.com


MUNNARIVAN TECHNOLOGIES PVT-LTD


MUNNARIVAN TECHNOLOGIES PVT-LTD

NIRGANDH

NIRGANDH

SR Assistive Technologies

Safe and comfortable toilet enablers
and support accessories for the elderly
and disabled

Dr. V. Sampath Kumar

Mr.V. Veera Kumar

About the Startup :

SR Assistive Technologies Pvt. Ltd. focuses on developing assistive solutions for the elderly and individuals with mobility challenges. The startup designs products such as the Exercise Chair and Squwalker, integrating safety-focused features to support functional independence in daily life. By addressing the practical needs associated with aging and limited mobility, SR Assistive Technologies contributes to improving accessibility, supporting home-based care, and enabling inclusive living environments.

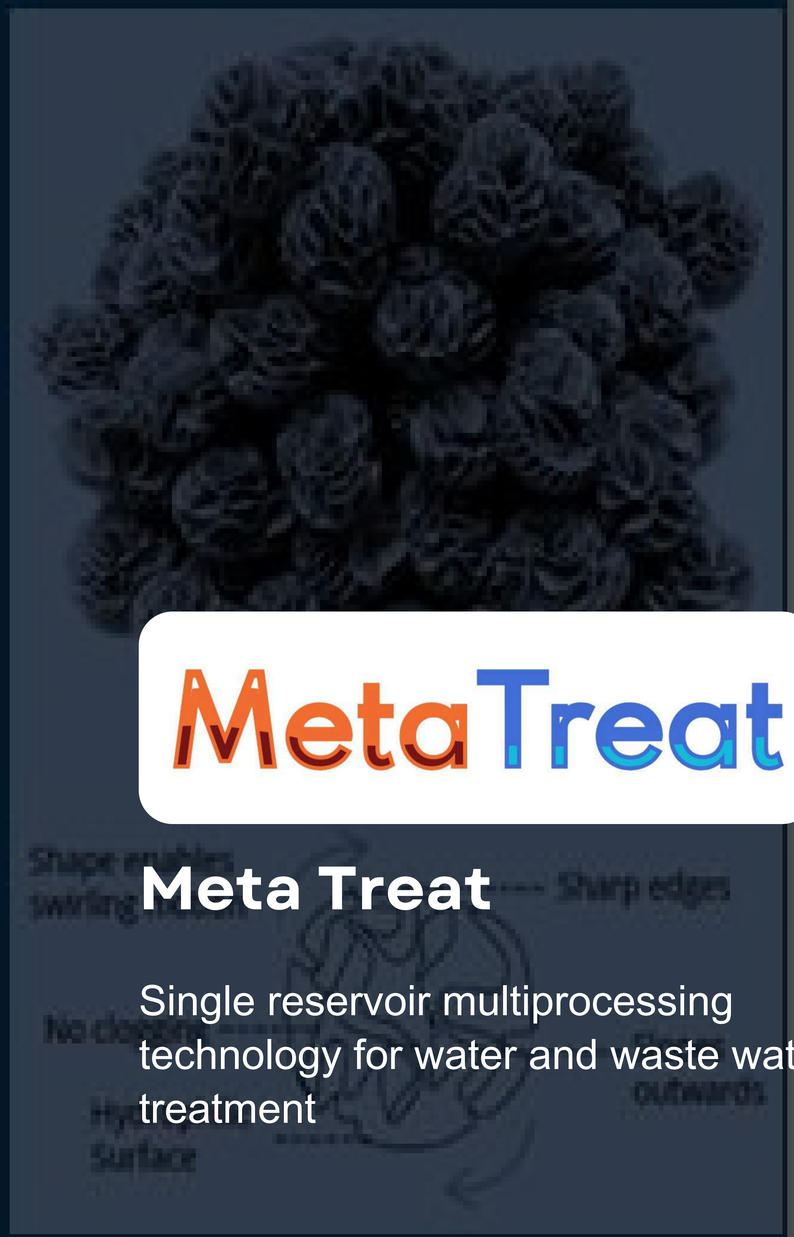
About the Innovation :

SR Assistive Technologies innovated the SquWalker Chair, an assistive device that integrates the functionality of both a walker and a chair to offer superior stability and support for individuals with mobility challenges. This innovative device facilitates seamless transitions between its role as a walking aid and its function as toilet support, thereby enhancing independence and ease of movement for its users. The SquWalker Chair's design ensures maximum comfort and accessibility without requiring any modifications for toilet use. It also provides secure and safe support for bathing, accommodating traditional Indian squatting positions and eliminating the need for additional handrails.The device has been well-received in rehabilitation centers and among home care providers. SR Assistive Technologies continues to refine the design based on user feedback, ensuring inclusivity and user-centered innovation.

www.srassistive.com

srassistive@gmail.com

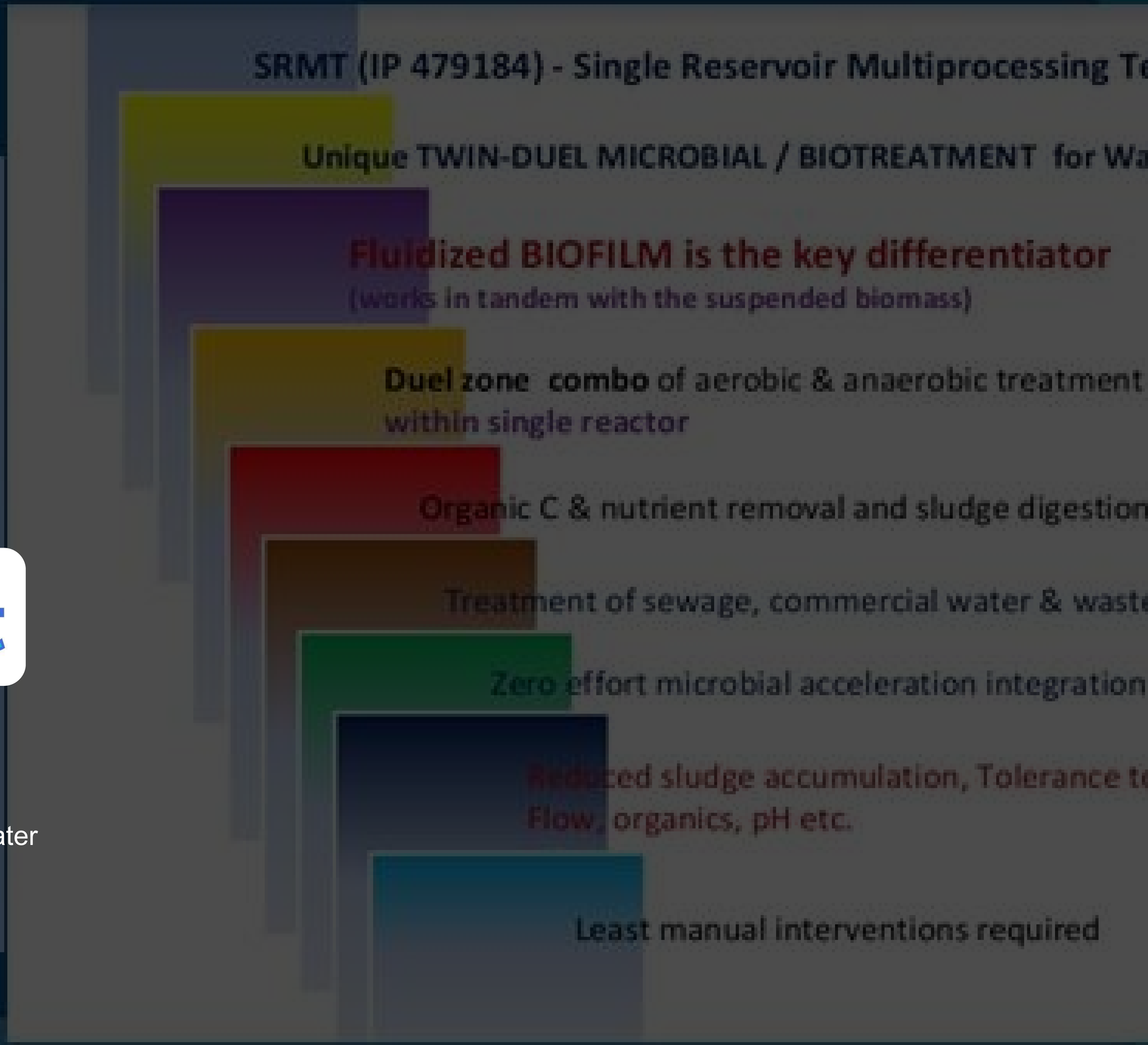
SR ASSISTIVE TECHNOLOGIES PVT LTD
Incubated at TECHIN of IIT Palakkad
"Where health care is taken care "
SQUWALKER CHAIR
Contact us:
Ph No: +91-9842709720
Web: srassistive.com



MetaTreat

Meta Treat

Single reservoir multiprocessing technology for water and waste water treatment



Mr. Kishore Krishna Murthy

Dr. K.Balakrishnan

Ms. A.Lydia

About the Startup :

Meta Treat reimagines wastewater treatment through a biological approach, moving away from conventional automation-centric methods. By integrating innovative biofilm technologies with established processes like the Activated Sludge Process, the company enhances treatment plant performance by promoting active biomass and minimizing sludge production. Its fluidized biofilm technology provides robust and cost-effective treatment strategies that meet stringent regulatory standards. The company's patented Single Reservoir Multi-Process Technology (SRMT) enables seamless transitions to biofilm-based systems, ensuring reliable, high-quality treatment outcomes.

About the Innovation :

The Single Reservoir Multi-process Technology (SRMT) integrates three processes–carbonaceous BOD removal, nutrient removal (BNR), and sludge digestion–into a single-stage operation. Unlike systems that require multiple reactors and extensive equipment, SRMT combines all unit operations and processes in a single reactor. It employs a dual microbial activity approach, where biofilm microbial consortia function alongside a viable suspended population. The biofilm is established on a matrix material, called the bio-swirl, dynamically deployed across oxic and anoxic zones within the reactor. The biofilm consortia move back and forth within the designated zones of the reactor to facilitate the treatment process.

www.metatreat.in

lydia@metatreat.in

BIOFILM is unique biomass

Area: Volume of Matrix high

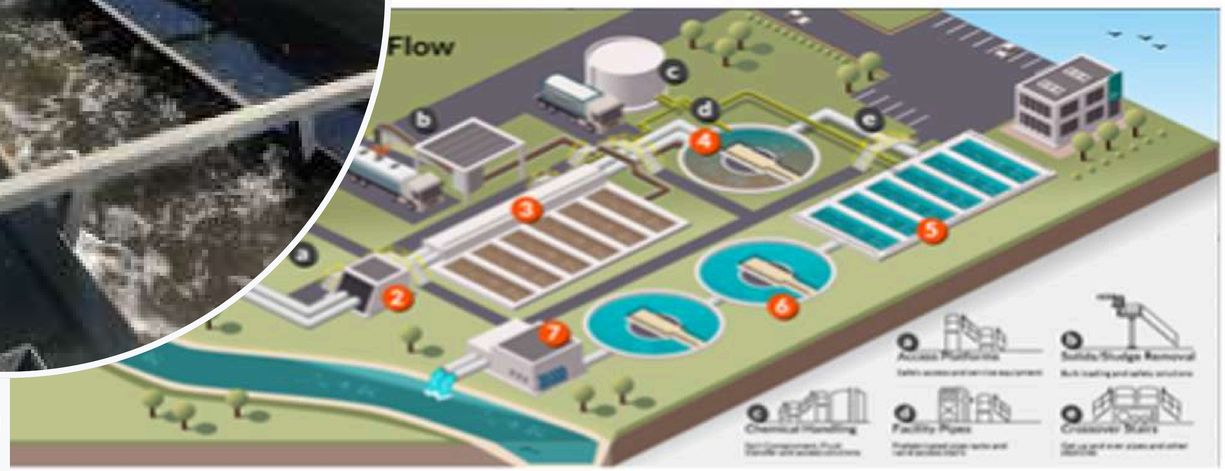
- Increased cell count and cell viability
- Reduction of HRT resulting in higher throughput.
- Operational throughput flexibility
- No requirement of bacterial replenishment
- High efficiency mass transfer ensures viable population of bacteria

Matrix specific gravity match

- Low sludge production
- Thin bio film on media maintained always due to swirling
- Eliminates sludge recirculation
- Swirling shears dead bacteria from the media
- Process Guarantee*
- Hydrophilic Surface

Coexistence of 04 consortia

Collection tank itself is Reactor



Features

SRMT (IP 479184) - Single Reservo

Unique TWIN-DUEL MICROBIAL / BI

Fluidized BIOFILM is the key d

(works in tandem with the suspended bioma

Duel zone combo of aerobic & anaerobic tre within single reactor

Organic C & nutrient removal and sludge digestion in single

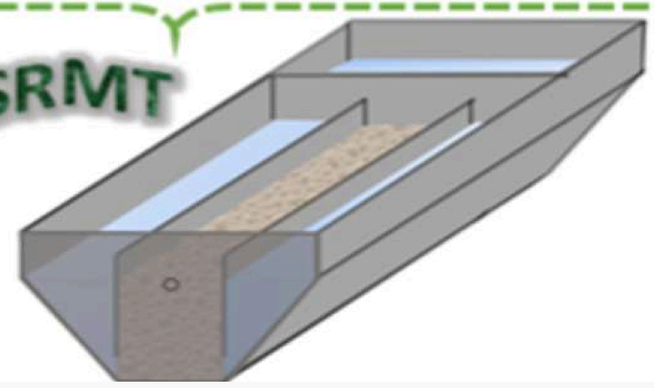
Treatment of sewage, commercial water & wastewater @

Zero effort microbial acceleration integration

Reduced sludge accumulation, Tolerance to fluctuat Flow, organics, pH etc.

Least manual interventions required

SRMT



Agrifacture

Odorless flush-less retrofittable toilets with minimal water that ensures quality sanitation

Mr. Ravi Senji

Mr. Shakthi Pandiyan

About the Startup :

Agrifacture is a startup focused on innovative and sustainable waste management and sanitation solutions. Its product, FeNix, offers a complete, odorless, non-sewered sanitation system designed to eliminate the need for fresh water in flushing and prevent sewer-related hazards. Committed to delivering global solutions with cost-effective Indian innovation, Agrifacture aims to expand its product line, scale production, and advance research in waste reduction technologies. The company is dedicated to building strategic partnerships that support a cleaner, healthier, and more sustainable future.

About the Innovation :

Agrifacture's FeNix is a toilet system designed to manage waste efficiently and sustainably. It separates solid waste from liquids, with solids undergoing drying and air-based treatment for sanitization and volume reduction. Liquids are treated anaerobically to break down organic matter, followed by sterilization at boiling temperatures to eliminate pathogens. The vapor produced during sterilization is captured and reused as a flushing agent, significantly reducing water consumption. Suitable for both sewered and non-sewered settings, FeNix provides a contactless, odor-free waste management solution by converting black water and fecal sludge into water vapor, covering the entire process from collection to exhaust.

www.linkedin.com/in/ravisenji

ravikasravisenji@gmail.com

Fixed Mindset
Growth Mindset
FIXED MINDSET
GROWTH MINDSET
CHANGE your WORDS

Fixed Mindset
Growth Mindset
CHANGE your MINDSET

Fixed Mindset
Growth Mindset
FIXED MINDSET
GROWTH MINDSET
CHANGE your WORDS

ENSECT FARM
PRIVATE LIMITED

Ensect Farm

Converts municipal solid waste into sustainable animal feed ingredients and compost using native, non-pest insects in an eco-friendly, low-resource process

Mr. Anup TV

Mr. Rohit Shrikant Korvi

About the Startup :

Ensect Farm specializes in organic waste management and protein sourcing through innovative insect-based solutions. The company focuses on converting organic waste into valuable resources using Black Soldier Fly technology. This bio-conversion process transforms waste into compost, protein, and chitin, addressing environmental and health risks associated with untreated waste. Ensect Farm's byproducts serve sectors such as animal feed and agriculture. Operating on both business-to-business (B2B) and business-to-consumer (B2C) models, the company generates revenue through product sales and waste management services.

About the Innovation :

Ensect Farm utilizes insect rearing to convert Municipal Solid Waste (MSW) into natural ingredients for animal nutrition. The process focuses on producing proteins and lipids to meet the dietary requirements of farmed and domestic animals while also generating compost and chitin from organic waste. The process employs native detritivorous insects from tropical and subtropical regions between latitudes 40°S and 45°N, which efficiently convert waste into resources. The insects are reared passively, and the fly adults used do not bite, sting, or spread diseases, categorizing them as non-pests. This approach requires less water and generates fewer greenhouse gases compared to conventional animal farming practices.

www.ensectfarm.com

anup@ensectfarm.com

Valedictory session of
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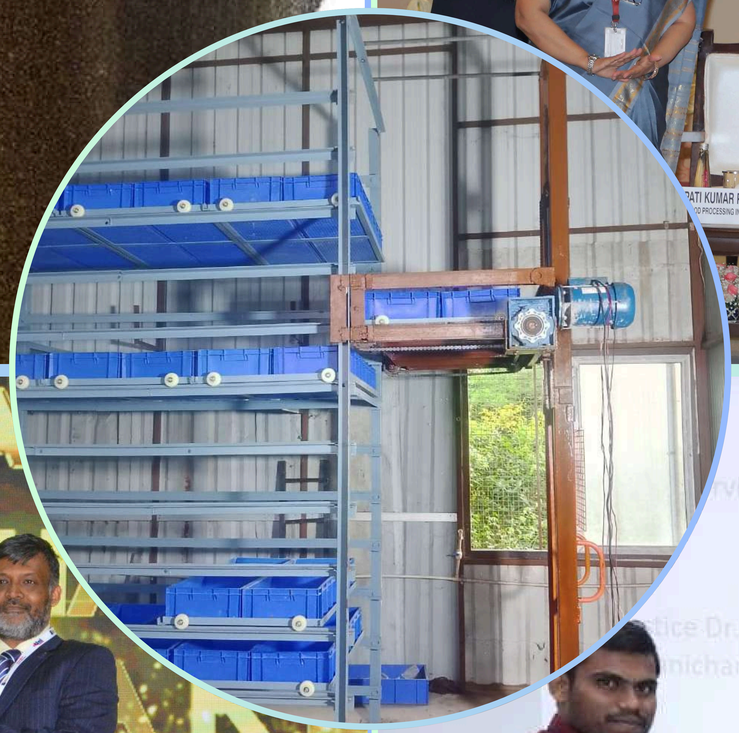
FOOD INDIA
2023
Processing for Prosp



Proposed innovation
Affordable & nutritious Chicken feed produced by volarization of MSW using Black Soldier Fly Larvae
Prototype
Carbon Zero Challenge 2022
Circularity in Resources Conservation
CONGRATULATIONS TEAM INSECT FARM PVT LTD
You are selected for prototype funding upto
₹5 Lakhs

NIMBLE VISION

NI-SENSU

Nimble Vision

Integrates IoT platforms to manholes that provide easy options for quick responsive sewage treatment infrastructure

Mr. Chinnayya Math

Ms. Vaishali Chinnayya

About the Startup :

Nimble Vision specializes in tech innovation for water and sewage management, utilizing Internet of Things (IoT) and Artificial Intelligence (AI) solutions. The company addresses water scarcity and sanitation challenges through its platform, "Ni-," which provides real-time analytics on water levels, consumption, leakage, and quality. This enhances system efficiency and optimizes energy usage. Operating in both B2B and B2C markets, including Smart Cities initiatives, the company's flexible business model ensures scalability. Founded in 2017 and commercialized in 2019, Nimble Vision is poised for further expansion, driving positive change in water management.

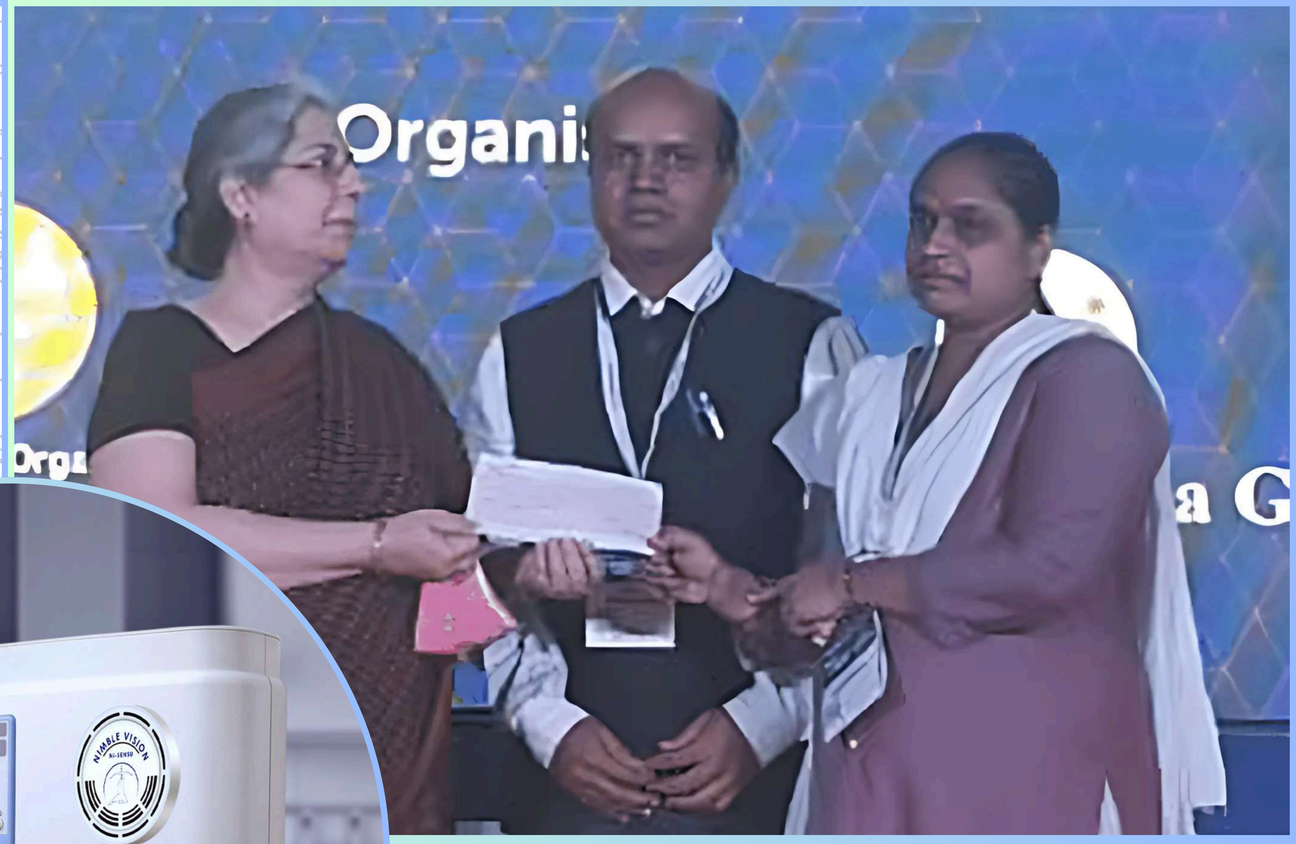
About the Innovation :

Ni by Nimble Vision is an IoT-based platform designed to make water and sewage infrastructure smart, affordable, and easy to manage. It addresses the lack of automation in large-scale water and sewer systems by offering a Smart Manhole solution that includes both hardware and a Platform-as-a-Service model. This enables cities and organizations to upgrade existing infrastructure, reduce operational costs, and improve efficiency. The platform supports real-time monitoring of flow rates, blockages, and leaks through strategically placed sensors. Data is transmitted securely to the cloud for analysis using advanced analytics and machine learning, allowing quick response to issues. Compatible with SCADA systems and API integrations, the solution is highly flexible–supporting various power sources (battery, solar, DC) and communication protocols (4G, 5G, low-bandwidth options). Built for scalability and security, Ni provides a complete, intuitive ecosystem for smart water and waste management.

www.nimblevision.io

ceo@nimblevision.io

Ni - The Water Saviour
600 Ltr
500 ltr
400 Ltr
300 Ltr
200 Ltr
100 Ltr
250 Ltr
300 Ltr
500 Ltr
250 Ltr
380 Ltr
323 Ltr
08/11/19
09/11/19
10/11/19
Ni - The Water Saviour
₹267
₹492
₹383
₹783
₹213
₹514
₹500
₹964
₹327
₹658
Mar 19
Apr 19
May 19
WATER CONSUMPTIO
CONSUMPTION &
ILL DETAILS
Hello,
Ni
THE WATER SAVIOUR
Dashboard
Invoice
Service
Support
Dashboard
WATER CONSUMPTION
WATER CONSUMPTION & BILL DETAILS


Organi

NIMBLE VISION
Ni-SENSU

Aggreg
Water Meter

(TECHIN)
Synergetic Catalyst to Innovate
IIT PALAKKAD
Technology Innovation Center(TIC)
SANITATION EXCELLENCE
MedTe

T-Con Uniflow

A novel ferrule device with flow control and a non-return valve (FFCV) is designed to efficiently regulate water flow while preventing backflow within a single, unified system

Mr. P Guruvayurappan

Mr. Dhaneesh

About the Startup :

T-Con Uniflow, incorporated on 25th April 2024, is engaged in the design and manufacturing of a Ferrule with Flow Control Non-Return Valve (FFCV) for water supply connections. This 4-in-1 device combines a ferrule, flow control valve, stop-cock, and non-return valve into a single unit. It is designed to support equitable water distribution, precise flow regulation, and protection of water meters, while eliminating the need for multiple separate components.

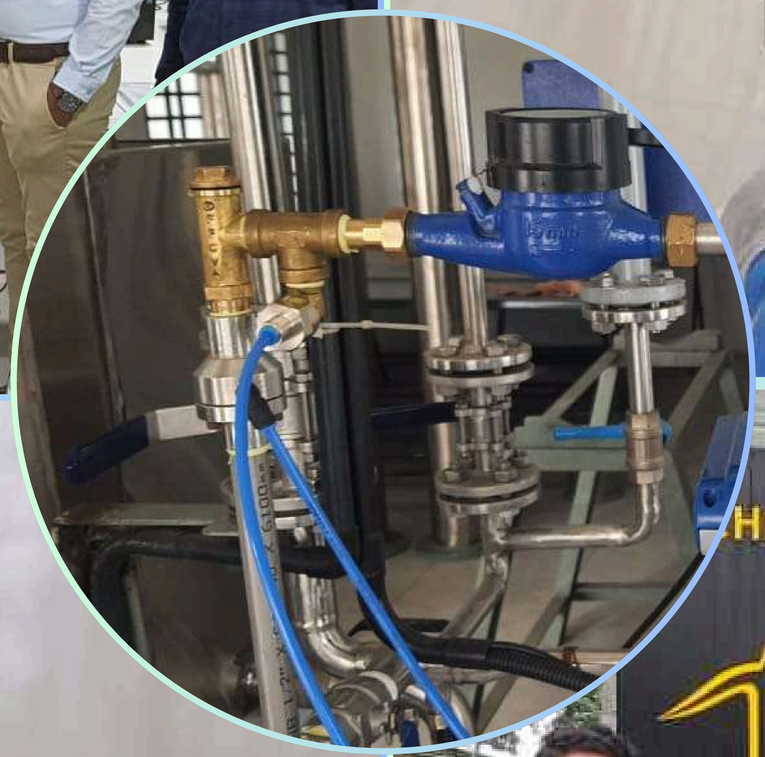
About the Innovation :

T-Con Uniflow's Ferrule with Flow Control & Non-Return Valve (FFCV) combines the functions of a flow control valve and a ferrule into a single unit for use in hydraulic systems. Traditional water supply systems require separate components to regulate fluid pressure and flow, which increases installation complexity and maintenance effort. The FFCV simplifies these processes by integrating both functions into a compact design, reducing installation time and labor costs. It ensures precise regulation of fluid pressure and flow while incorporating a non-return valve to prevent backflow and protect the system. The device is suitable for all water supply connections provided by water boards and utilities and is particularly useful in areas with limited installation space.

www.tconuniflow.com

tconuniflow@gmail.com

T-CON UNIFLOW
PRIVATE LTD



HNOLOGY INNOVATION FOUNDATION
OF IIT PALAKKAD
(TECHIN)
A Synergetic Catalyst to Innovate
TECHIN
IIT PALAKKAD

HARICKEN PROCESS
INTENSIFICATION PRIVATE LIMITED

Haricken Process Intensification

Integrated ceramic membrane-based treatment technique and hydrodynamic cavitation technique for the treatment of greywater

Dr. Shirish Hari Sonawane

Ms.Kiran Shirish Sonawane

About the Startup :

Haricken Process Intensification (HPIPL) emerged from the vibrant innovation ecosystem of NIT Warangal with a mission to tackle global water challenges.The company specializes in hydrodynamic cavitation, ceramic membranes, and advanced oxidation methods to enhance treatment efficiency for various contaminants. By leveraging strategic partnerships, HPIPL continues to advance its technological capabilities and develop innovative solutions for sustainable water management.

About the Innovation :

Haricken Process Intensification focuses on greywater treatment using techniques that combine hydrodynamic cavitation and ceramic membranes. Operating in the environmental and clean technology sector, the company addresses water management challenges by utilizing an integrated method capable of handling a wide range of contaminants, including suspended solids, microorganisms, and organic pollutants. This approach offers improved treatment efficiency, versatility, and reduced energy consumption compared to traditional biological and membrane separation processes.The system is compact and modular, making it suitable for decentralized installations in both urban and rural settings. Pilot projects have demonstrated consistent performance with minimal maintenance requirements. Haricken is committed to advancing sustainable water solutions through continuous R&D and collaborative partnerships.

www.haricken.com

patilyogeshnitw@gmail.com

Revolutionising Wastewater Management: Greywater
Treatment through Integrated Ceramic Membrane Technology
Why Grey water treatment?
Our solution is sustainable Greywater treatment
Integrated Nano Ceramic Membrane with Hydrodynamic Cavitation
Hybrid HC & CM Setup
Advantages of our Technology
Feature
Integrated Ceramic Filtration
Traditional Technologies
Efficiency
Highly efficient, Reduces and water recovery
Limited scalability
Sensitivity
Flexible design allows easy scalability
Maintenance
Low maintenance requirements and long lifespan
High maintenance costs and frequent repairs
Environmental Impact
Significantly reduces water pollution and energy usage
Wastewater reduction in minimum world impact
Result

BLUE MOUNT Originals
WATER QUALITY ASSOCIATION
5 Micron
Sediment
ACTIVATED CARBON
BLUE MOUNT

HARICKEN PROCESS INTENSIFICATION PVT LTD.
(An emerging start-up in greywater recycling)
Founders
Prof. Shirish H. Sonawane, Mr.Yogesh Patil, Mr. Dilip P
Department of Chemical Engineering
National Institute of Technology Warangal
Supported by:
NIT WARANGAL
HARICKEN PROCESS INTENSIFICATION PVT LTD.
(An emerging start-up in greywater treatment)
Founders:
Prof. Shirish H. Sonawane

FemiCura™

FemiCura HealthTech

Develops safest and effective sustainable hygiene products for women and babies

Ms. Meenatchi U

Mr. Madhan Sivasubramanian

About the Startup :

FemiCura HealthTech is a health and hygiene startup focused on improving the lives of women and babies through innovative, sustainable products. The company develops safe, effective, and eco-friendly hygiene solutions that meet the standards for both human and environmental health. FemiCura uses advanced technology and understands the needs of women and babies to create high-quality products for postpartum care and baby hygiene. Their mission is to make these important products affordable and easy to access, helping women and families with practical and reliable solutions designed just for them.

About the Innovation :

FemiCura develops eco-friendly hygiene products for women and babies using innovative, sustainable technologies. Their range includes 100% biodegradable, plant-based baby wet wipes and chitosan-based maternity disposable pads. Focused on safety, effectiveness, and environmental care, FemiCura designs products to meet the unique needs of women and infants while supporting informed choices for better health and hygiene.

www.femicura.com

meena.femicura@gmail.com

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UNSCENTED | PLANT FABRIC
'4X THICK FABRIC'
80
WIPES
PLANT BASED
100%
BIODEGRADABLE

Meena new
sample for check

Certificate of Achievement

PRITVICHAKR
Innovations

PritviChakr Innovations

An energy-neutral closed-loop system
for decentralized resource recovery
from source-separated urine

Dr. Praveena Gangadharan

About the Startup :

PritviChakr Innovations is committed to developing cutting-edge technologies that harness renewable resources, minimize waste, and promote environmental stewardship.Through innovation, collaboration, and a focus on sustainability, they aim to create scalable solutions that contribute to a regenerative economy, improve quality of life, and preserve the Earth for future generations. They build state-of-the-art technologies with a minimal footprint to recover nutrients, water, and energy from source-separated urine.They aim to develop technologies that serve as decentralized resource recovery units downstream from urinals and UDTs. Through their technologies, they adopt circular economic approaches to integrate waste into the resource value chain, driving sustainable innovation and empowering communities for a cleaner and greener planet.

Ms. Sangeetha V

About the Innovation :

PritviChakr Innovations has developed a compact, easy-to-use system for treating wastewater collected separately from toilets. The system recovers clean water, nutrients, and energy without relying on an external power source, making it ideal for remote or underserved areas. Treated water can be reused for applications like toilet flushing, reducing the demand for fresh water. At the core of the technology is an innovative electrochemical cell that generates energy during the treatment process, enhancing sustainability and efficiency. Designed for homes, villages, and larger buildings, this solution empowers communities to manage their own water and energy needs while promoting a cleaner environment.

www.pritvichakrinnovations.com

praveenag@iitpkd.ac.in

KSR
KSR01

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PARIVARTAN
Welcome Onboard
PRITVICHAKR
SAMAVESH | समावेश
Women Entrepreneurship Program
Welcome Onboard
PrithviChakr Innovations
PRITVICHAKR

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TECHNOLOGY
INNOVATION
FOUNDATION OF
IIT PALAKKAD (TECHIN)
TECHNOLOGY BUSINESS INCUBATOR (TBI) OF IIT PALAKKAD
MedTech

RITVICHAKR
Innovation
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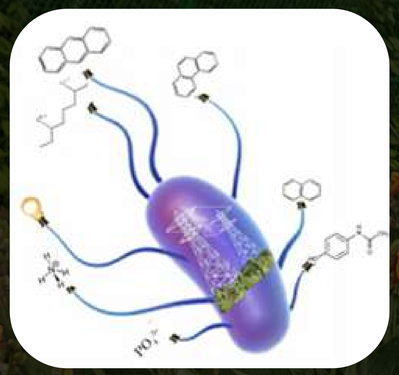
CIRCULAR
ECONOMY
SUSTAINABLE TECHNOLOGIES FOR RESOURCE RECOVERY & WATER AND WASTEWATER TREATMENT



BacTreat Environmental Solutions

Develops vertical flow constructed wetlands as decentralized, nature-based wastewater treatment systems

Prof. Srikanth Mutnuri

About the Startup :

Focus of BacTreat Environmental Solutions is on decentralized systems both for wastewater treatment and solid organic waste treatment. Approach for Decentralized wastewater treatment system is by vertical wetlands wherein they had installed for a single household, for a community (100 people equivalent) and also for a school in Goa. They also had established Faecal sludge management plant wherein everyday one septic tanker (8000L) of septage is treated by recovering nutrients from Septage. Septage solids are processed in a two step process namely Lactic acid fermentation followed by Vermicomposting to prepare a type of compost called as Terra Preta. Terra Preta is much better than compost that is available as it retains nutrients for a longer period and releases nutrients to plants slowly. Organic solid waste is managed by anaerobic digestion. Anaerobic digestion of organic waste produces biogas and biofertilizers.

Prof. Anasuya Ganguly

About the Innovation :

Constructed wetlands (CWs) are engineered water treatment systems that optimize the treatment processes found in natural environments. Constructed wetlands are generally made of an impermeabilized hole, filled with a growing media (sand/gravel) and planted with rooted macrophytes (the most common one is reed phragmites australis). Due to their simplicity and robustness constructed treatment wetlands are an appropriate solution for rural areas. CWs are popular systems that efficiently treat various types of polluted water, making them environmentally friendly and sustainable solutions.

www.bactreat.com

bactreat@gmail.com

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PARIVARTAN
A step towards sustainable progress
Technology Innovati ation of IIT Palakkad (TECHIN)
st to Innovate
SAMĀVESH
Women Entrepreneurship
Prof. Anasuya Ganguly
Prof. Srikanth Mutnuri
Welcome Onbo
BacTreat E
Solution
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treatment
recovery
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BacTreat Environmental Solutions
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Eastern Environmental Solutions Pvt Ltd
W H L U 42809
42G1

BIOVIDHAN

Manufacturer of bio-enzyme based natural cleaners and bio cultures

Ms. Pooja Deshpande

Mr. Dheeraj Dinesh Hulekal

About the Startup :

Founded in 2021, Biovidhan operates in the cleaning solutions industry, offering a range of products for household and workplace hygiene. Its product line includes laundry liquid, toilet cleaner, dish wash, water tank cleaner, and kitchen and fridge cleaner. The company focuses on manufacturing cleaning solutions that meet quality and sustainability standards.

About the Innovation :

The startup originated from the need to find alternatives to chemical-based products after identifying skin issues linked to toxic exposure. This led to the exploration of sustainable solutions utilizing locally available fresh fruit and vegetable waste. The company developed bioenzymes and introduced a range of bioenzyme-based natural cleaning products under the brand name "BioVidhan." These products are designed to offer an alternative to conventional cleaning solutions. They are biodegradable, safe for children and pets, and free from harmful synthetic ingredients. The startup has also initiated community awareness programs to promote eco-friendly living. With growing demand, BioVidhan is expanding its product line and distribution network across urban and semi-urban markets.

www.dharanibiotech.com

dharaninaturals1@gmail.com

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LAUNDRY LIQUID
NON VEG WASH
WATER TANK CLEANER

100% NATURAL
We convert local agri waste & produce like citrus peels soapnuts etc into Bio-Enzyme as raw material
NON TOXIC
No harmful chemicals - Acids like HC bleach,chlorine etc makes it safe for users workers
ECO FRIENDLY
Beneficiary microorganisims help in organic breakdown in STPs, speeding up treatment and saving time, effort, and money.
KID & PET SAFE
HAND CR
Choosing
TOILET CLEANER
100% NATURAL
NON TOXIC
ECO MATERIALS

biovidhān
Celebrating Earthday Everyday
NON TOXIC
DISH WASH LIQUID

G20 SUMMIT
ON
ONMENT SUSTAINABILITY AND BIOENZYME

Powerfull
Jet Spray for
deep cleansing.

Sahayatha
REDEFINING MOBILITY FOR THE IMPAIRED

Dhanvantri Biomedical

Advanced Mobility Solution With
Defecation-Cleansing Support

3 Ltr.
Water
Storage

Mrs.Sruthi Babu

Mrs. Priyankaa Babu

About the Startup :

Dhanvantri Biomedical, operating under the brand name Sahayatha Healthcare, is committed to enhancing the quality of life for mobility-impaired individuals through assistive solutions. Their innovation, the Sahayatha Wheelchair, is thoughtfully designed with an inbuilt commode and advanced self-cleaning technology, ensuring both comfort and hygiene. By blending functionality with dignity, they offer greater independence and ease of use for the users. Their mission is to drive positive change through accessible, user-centric, and affordable healthcare innovations that empower individuals and foster inclusivity.

About the Innovation :

Sahayatha Wheelchair is an innovative assistive device designed to enhance the dignity and independence of individuals with mobility challenges. It features an integrated commode for improved hygiene and convenience, along with a self-cleaning system that reduces dependency on caregivers and promotes user dignity. The adjustable reclining backrest offers superior comfort and adaptability, empowering users with greater functionality and self-reliance. Its foldable frame ensures easy portability and storage, making it ideal for both home and travel use. The wheelchair is crafted with durable, rust-resistant materials to withstand long-term usage. Sahayatha continues to evolve its design through user feedback, focusing on accessibility and comfort for all age groups.

www.sahayathahealthcare.com

sruthi.b840@gmail.com

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Jet Spray for
deep cleansing.
3 Ltr.
Water
Storage

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of a deep clean with the power of
a smart cleansing device.
Switch
Operated
Jet Spray
3 Ltr.
Water
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Backward
Commode
Collection

3 Ltr.
Water
Storage
Backward
Commode
Collection

INCUBATED IN
Nominated for 2025
THE EARTHSHOT PRIZE
SOCIAL ENTERPRISE CHALLENGE

COSMOVEND
automations private limited

Cosmovend Automations

Smart toilets coexist with small utiity shop and making them off grid creates a self- sustaining ecosystem

Mr. Stanly C G

Dr. Mohankumar K

About the Startup :

Cosmovend Automations specializes in product engineering for WASH (Water, Sanitation, and Hygiene) and sanitation automation. The company develops solutions such as robotic hands for cleaning toilets, roadways, and remote monitoring systems. With expertise in IoT, mobile platforms, and field automation, Cosmovend focuses on delivering practical and technology-driven solutions. Its product engineering team designs systems that address real-world challenges while maintaining commercial viability.

About the Innovation :

The Pathway Smart Toilet is designed to address sanitation challenges while incorporating economic opportunities for the local community. This facility integrates sanitation technology with a commercial kiosk, creating a dual-purpose model that serves public hygiene needs and supports small-scale businesses. The system features smart toilet technology with remote monitoring and automated maintenance to ensure operational efficiency. The attached shop provides space for commercial activities, contributing to economic sustainability. By combining sanitation and business infrastructure, the model enhances public convenience and optimizes urban space utilization.

www.cosmovend.com

nandana@cosmovend.com

JSW Foundation
INTELLIGENT PUBLIC SANITATION

JSW Foundation
INTELLIGENT PUBLIC SANITATION

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JSW
Better Everyday

PATHWAY
JSW Foundation

ReHumus
Technology Pvt Ltd

ReHumus Technology

Recycling Carbon and Nutrients by
Land Application of Biosolids

Dr. Deepak Jaiswal

Ms. Jayalekshmi T R

About the Startup :

ReHumus Technology is dedicated to transforming waste into valuable resources. Focused on sustainable solutions in waste management, sanitation, and resource utilization, they specializes in converting bio-solid waste into Eco-friendly fertilizers that support sustainable agriculture. By leveraging cutting-edge technologies such as modeling and machine learning, they optimizes sludge management systems to enhance soil health, reduce reliance on chemical fertilizers, and improve soil carbon sequestration, contributing to climate change mitigation.

About the Innovation :

ReHumus provides sustainable solutions through its innovative biosolid-based fertilizers and resource recovery services. Their products transform treated biosolid waste into nutrient-rich, eco-friendly fertilizers that enhance soil health, improve crop productivity, and reduce reliance on chemical inputs. Leveraging advanced technologies like modeling and machine learning, ReHumus ensures efficient waste management, optimized agricultural practices, and environmental conservation, contributing to a circular economy and sustainable agriculture.The company collaborates with local municipalities and farming communities to scale its impact. Field trials have demonstrated consistent improvements in yield and soil quality. ReHumus continues to drive innovation in regenerative agriculture by aligning technology with ecological responsibility.

jay.ReHumus@gmail.com

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GLOBAL SANITATION CENTER OF EXCELLENCE

A Synergetic Catalyst to Innovate
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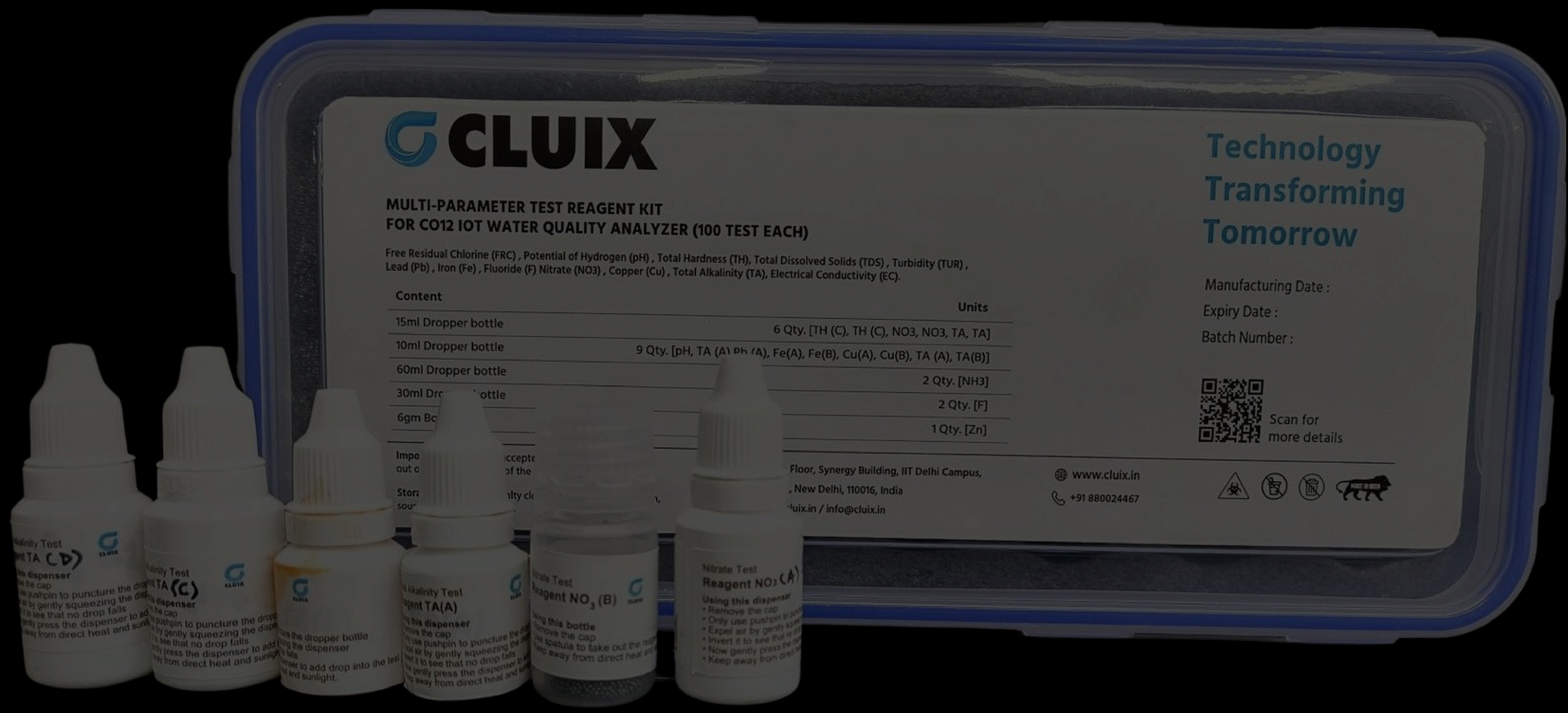
Technology Innovation Center(TIC)
edTech
Research Center of Excellence

CLUIX

Digital multiparameter water quality analyzer powered by IoT



Mr. Robin Singh

About the Startup :

CLUIX is a cutting-edge deep-tech company dedicated to revolutionizing water quality monitoring through innovative, IoT-enabled solutions. Founded with the mission of addressing the global water crisis, CLUIX has developed advanced technologies to empower communities, industries, and governments with real-time, reliable, and actionable water quality insights. Their product, a portable multi-parameter water quality analyzer, is designed to test 13 critical water quality parameters and seamlessly transmit data to a centralized platform for immediate analysis and decision-making. CLUIX leverages advanced technology to address challenges faced by underserved rural areas and urban communities alike, ensuring that access to clean and safe drinking water becomes a reality for millions.

Mr. Chitranjan Singh

About the Innovation :

CLUIX C012 is a multiparameter water quality analyzer designed for efficient and modernized water quality testing. The device is compact, portable, and equipped with a touchscreen interface for ease of use. It operates on a rechargeable battery, making it suitable for remote locations. With Wi-Fi and Bluetooth connectivity, the analyzer enables real-time data transmission and integrates with the Water Quality Monitoring and Surveillance (WQMS) system under the Jal Jeevan Mission. The device currently measures over 12 critical water parameters as per IS 10500 standards, with future upgrades planned to expand testing capabilities through firmware updates at the user's location.

www.cluix.in

rajesh@cluix.in

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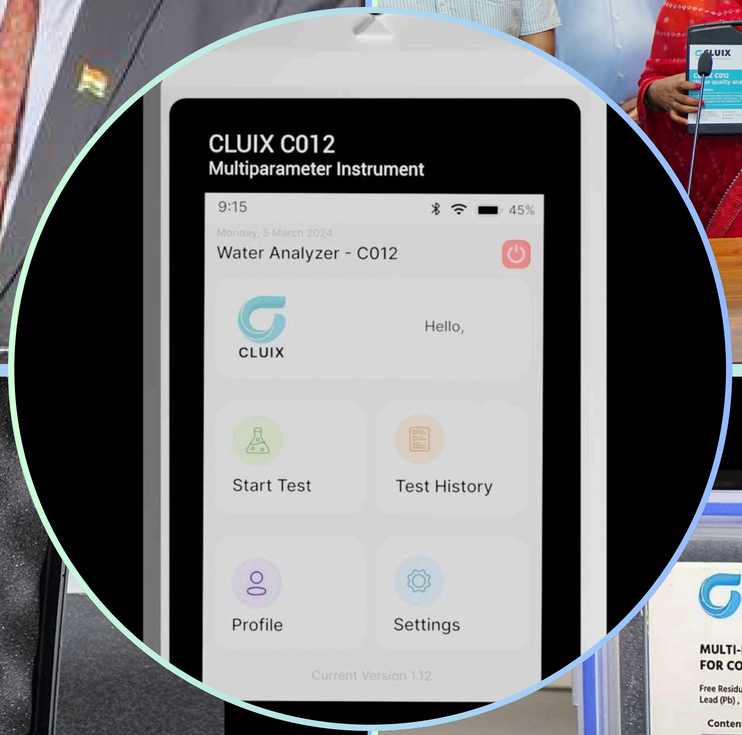
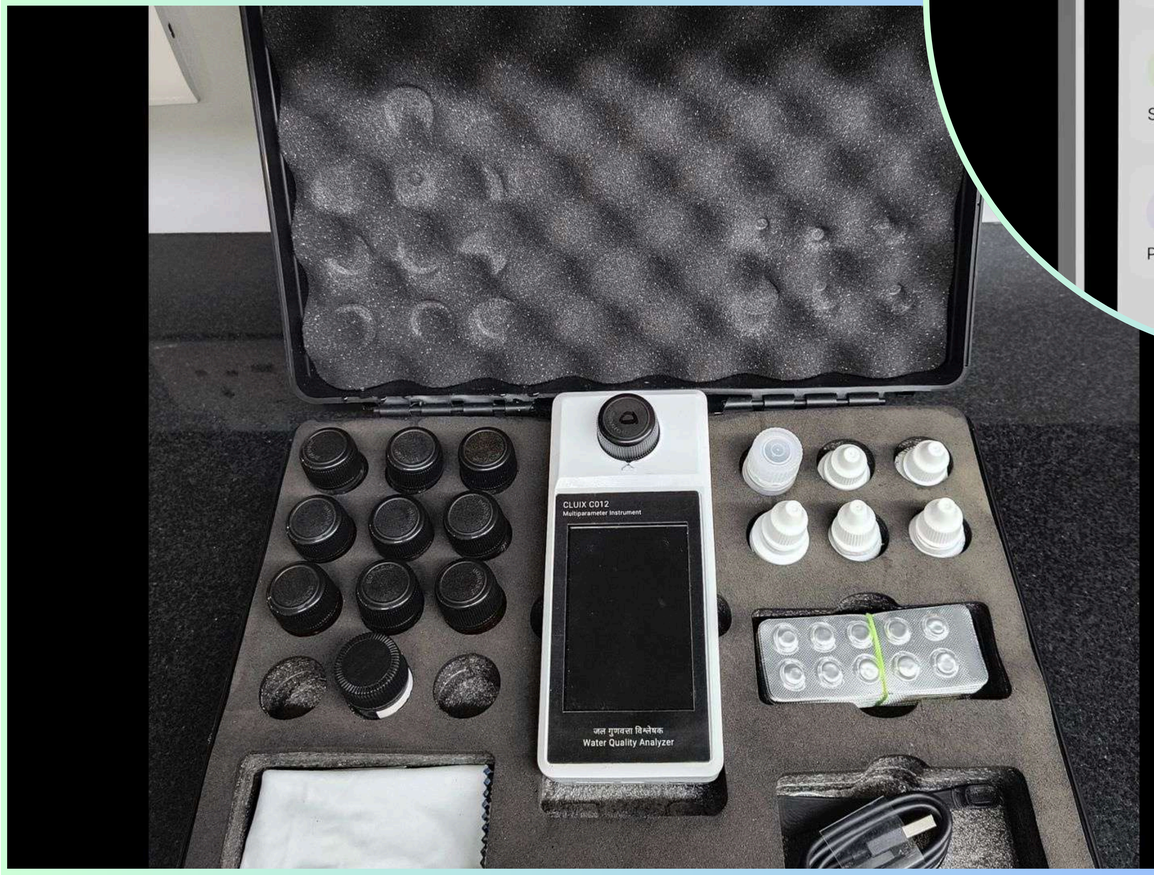
NATIONAL AWARD
FOR EXCELLENCE IN
WATER MANAGEMENT
2023

CLUIX
CLUIX C012
Water quality analyzer


CLUIX C012
Multiparameter Instrument
9:15
45%
Monday, 5 March 2024
Water Analyzer - C012
CLUIX
Hello,
Start Test
Test History
Profile
Settings
Current Version 1.12


CLUIX C012
Multiparameter Instrument
जल गुणवत्ता विश्लेषक
Water Quality Analyzer

CLUIX
MULTI-PARAMETER TEST REAGENT KIT
FOR C012 IOT WATER QUALITY ANALYZER (100 TEST EACH)
Free Residual Chlorine (FRC) , Potential of Hydrogen (pH) , Total Hardness (TH), Total Dissolved Solids (TDS) , Turbidity (TUR) , Lead (Pb) , Iron (Fe) , Fluoride (F) Nitrate (NO3) , Copper (Cu) , Total Alkalinity (TA), Electrical Conductivity (EC).
Content
Units
15ml Dropper bottle
6 Qty. [TH (C), TH (C), NO3, NO3, TA, TA]
10ml Dropper bottle
9 Qty. [pH, TA (A) Ph (A), Fe(A), Fe(B), Cu(A), Cu(B), TA (A), TA(B)]
60ml Dropper bottle
2 Qty. [NH3]
2 Qty. [F]
1 Qty. [Zn]
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Transforming
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Batch Number :
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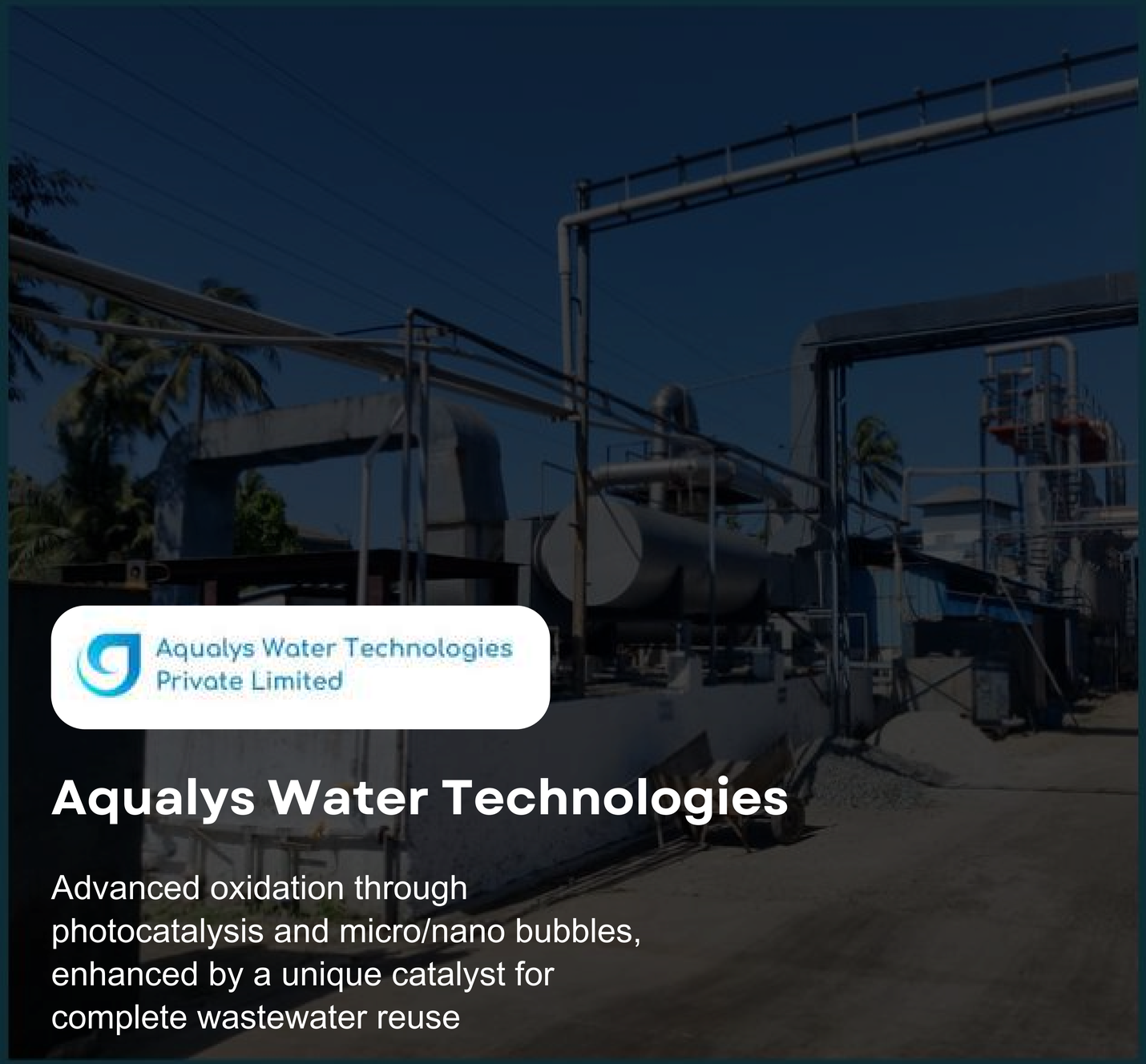

Aqualys Water Technologies Private Limited

Aqualys Water Technologies

Advanced oxidation through photocatalysis and micro/nano bubbles, enhanced by a unique catalyst for complete wastewater reuse

Mr. Boney Antony

Dr. Syriac Joseph Palackal

Mr. Tony Sebastian

About the Startup :

Aqualys Water Technologies specializes in developing advanced water treatment solutions aimed at removing chemical contaminants such as heavy metals, fertilizers, pesticides, antibiotics, and PFAS (per- and polyfluoroalkyl substances). Their innovative technologies focus on purifying and recycling water, ensuring it meets safety and environmental standards. By targeting both industrial and agricultural pollutants, Aqualys promotes sustainable water management practices. Their solutions contribute to reducing water scarcity and environmental pollution, supporting industries and communities in achieving cleaner and safer water usage.

About the Innovation :

Aqualys has developed a solution for industrial wastewater treatment using its proprietary Catalyst-Enhanced Treatment technology. Conventional treatment methods often struggle to manage harsh chemical contaminants and come with high capital costs, making complete water reuse challenging. Aqualys' technology efficiently treats water containing heavy metals, fertilizers, pesticides, PFAS, and other chemical pollutants, enabling industries to achieve sustainable water reuse while reducing both environmental impact and operational costs. The system is modular and scalable, allowing easy integration into existing industrial setups. Successful deployments have shown a significant reduction in sludge generation and energy consumption. Aqualys is also working with regulatory bodies to help industries meet stringent discharge norms through its eco-efficient solutions.

www.aqualys.co

boney@aqualys.co

Aqualys

Aqualys
Aqualys

Sundarban Chemicals

Electro Coagulation/ Electro Oxidation based effluent treatment system

Dr. Sashanka Sekhar Mandal

Mr. Suvadeep Panty

Mr. Surajit Kundu

About the Startup :

Sundarban Chemicals, founded in 2022, is specializing in innovative biohazard liquid waste management solutions. The company's product, Herfom, is a plug-and-play system designed to address the critical needs of healthcare facilities by neutralizing hazardous liquid waste efficiently and sustainably. Backed by a multidisciplinary team with expertise in chemical engineering, product design, and water treatment, Sundarban Chemicals combines advanced technologies like EAOPs, automation, and compact design to deliver cutting-edge solutions. Operating across India, the company is committed to ensuring environmental compliance, enhancing public health safety, and contributing to sustainable development.

About the Innovation :

Herfom is an innovative, plug-and-play biohazard liquid waste treatment system designed specifically for healthcare facilities, including hospitals, pathology labs, and medical clinics. The system utilizes electrochemical advanced oxidation processes (EAOP) and cutting-edge automation to neutralize biohazardous waste safely, ensuring it meets environmental compliance standards before disposal. Herfom stands out for its ease of use, compact design, and cost-effectiveness, making it accessible to facilities of all sizes. It addresses the critical need for safe and efficient waste treatment, reducing the risk of contamination and environmental harm.

www.sbplindia.com

chemicals.sundarban@gmail.com

SUNDARBAN
SBPL
FEMICURA HEALTHTECH
Chemicals Pvt.
#MAKING THE PLANET B
Pvt. Ltd.

herfom

Chemicals Pvt. Ltd.
MAKING THE PLANET BLUE
Sundarban
ageio
nextgen electrodes
+91 9564876600

fom
1000
GeniusFlow
CONTROL SYSTEM
V/A METER
EMRGCY STOP
START/STOP
TIMER
POWER INDICATOR
LCS LOW
MAIN PUMP
POWER BACKWASH
BACKWASH INDICATOR
DOSING PUMP
DOSING BYPASS
BUZZER
SBPL
WARNING
1. READ THE USER MANUAL BEFORE HANDLING.
2. DO NOT DISMANTLE.
3. NO USER SERVICEABLE PARTS INSIDE.
4. TO BE HANDLED BY TRAINED PERSONNEL ONLY.
5. DO NOT SMOKE.
6. SHOCK HAZARD.
7. HANDLE CHEMICALS WITH CARE.
8. USE PROPER PPE.
CAUTION
Not Drinking Water

VIOMAX

Viomax Enviro Solutions

A ceramic-based dielectric barrier discharge ozone generator, used for wastewater treatment

Mr. Hariharan Muthusamy

Mr. Karthikeyan Dhanasekaran

About the Startup :

VIOMAX ENVIRO SOLUTION is a startup focused on innovative, eco-friendly, and chemical-free solutions for wastewater treatment. Its mission is to innovate and manufacture advanced ozone generators that enhance water treatment processes and develop effective, efficient, and sustainable solutions. VIOMAX aims to be an industry leader in sustainable water treatment by harnessing ozone technology to provide clean, safe, and accessible water for all.

About the Innovation :

VIOMAX's advanced ceramic-based ozone generator system transforms wastewater treatment by delivering a highly efficient and sustainable solution for STPs and ETPs. Its innovative design ensures superior oxidation, effectively breaking down complex organic compounds to eliminate color and odor while significantly reducing COD and BOD levels. This technology enhances overall treatment efficiency, ensuring compliance with environmental regulations and improving water quality for safe discharge or reuse. The system operates with low energy consumption and minimal maintenance, making it cost-effective for long-term use. It is also compatible with existing treatment infrastructure, enabling easy upgrades without major overhauls. VIOMAX continues to invest in R&D to expand its applications across diverse industrial sectors.

www.viomax.in

karthikeyan@viomax.in

StartupTN
PRESENTS
StartupTN
Madurai Edi
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Transformi
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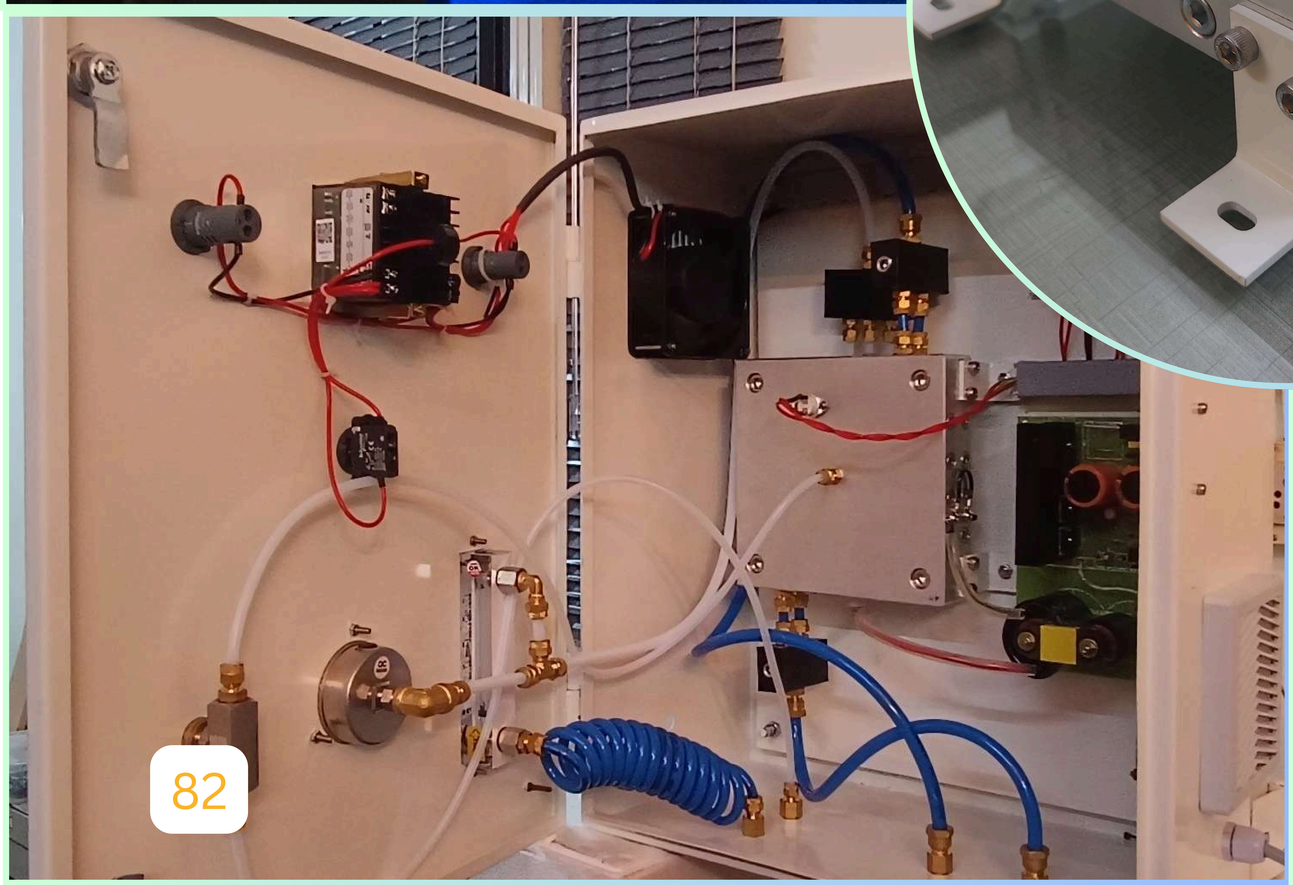
What is Ozone
Why Choose
for Wastew
Applicat



VertoX

VertoX Labs

Implements robotics and in-house build sensors & cyber physical systems to implement a range of solutions in wastewater management & water quality monitoring

Ms. Salomi Dabral

Ms. Sheetal Priyadarshini

About the Startup :

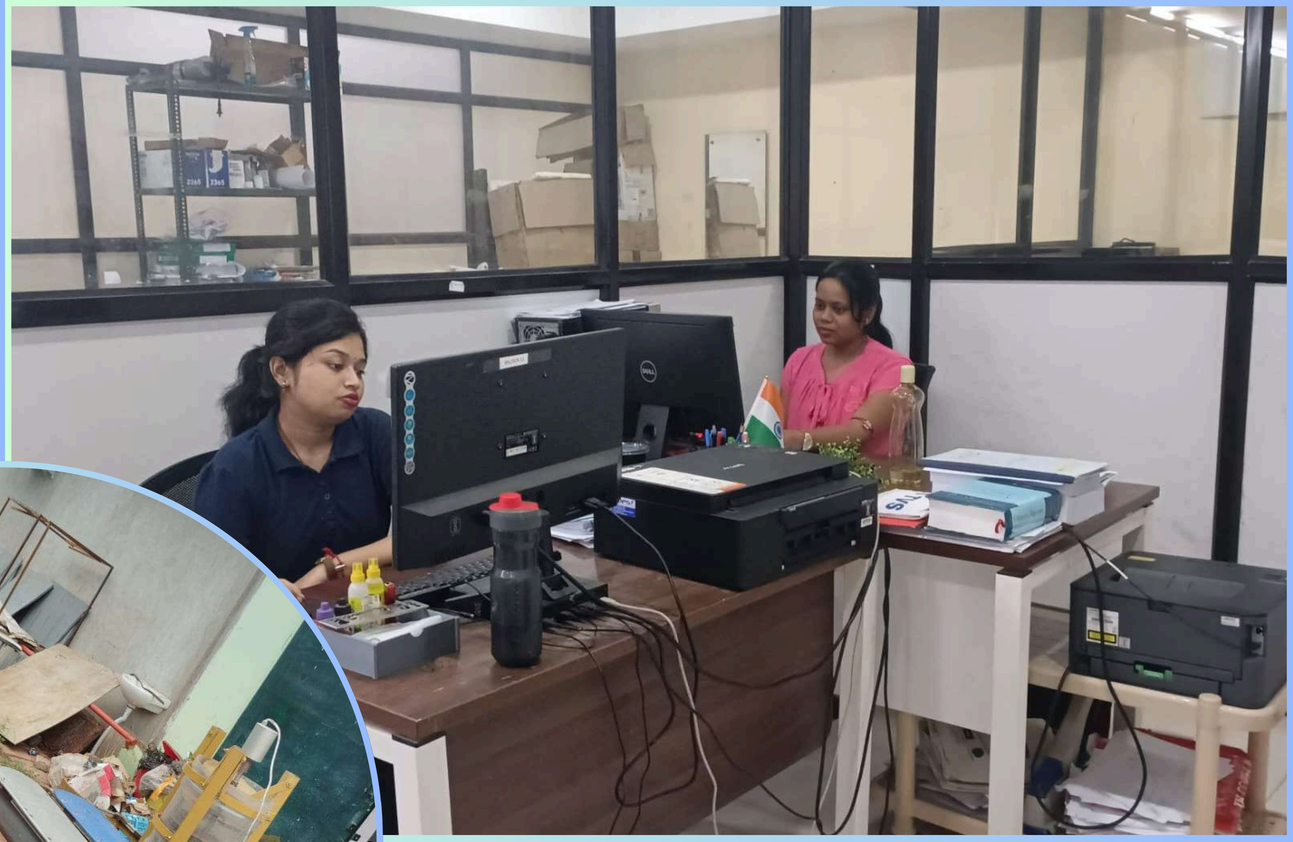
VertoX Labs implements robotics, in-house-built sensors, and cyber-physical systems to provide a range of solutions for wastewater management and water quality monitoring.
It helps customers simplify accurate measurement, monitoring, and reporting of changes in environmental parameters in water bodies. By leveraging real-time data monitoring, customers can make informed decisions on corrective actions and reduce operational costs by 30% compared to the business-as-usual (BAU) approach.

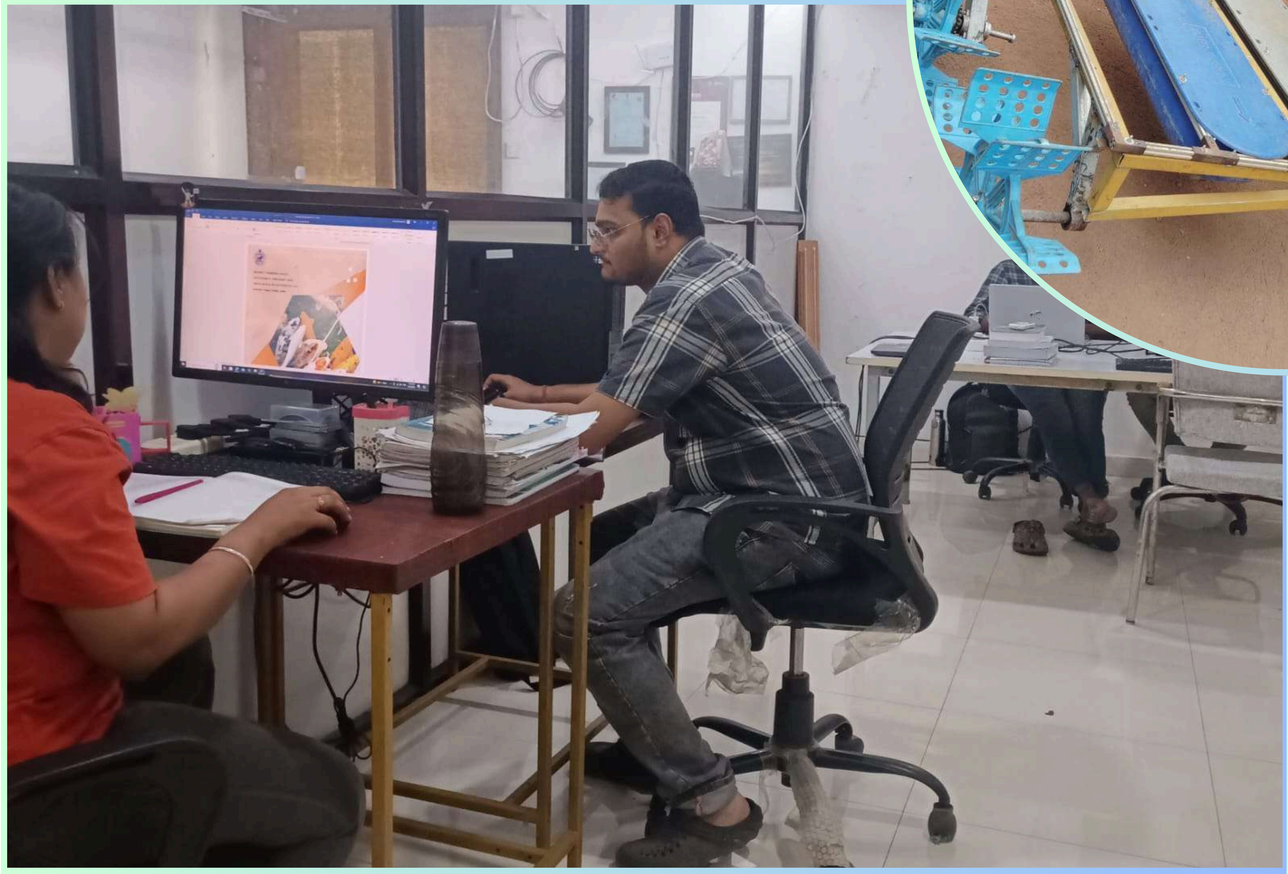
About the Innovation :

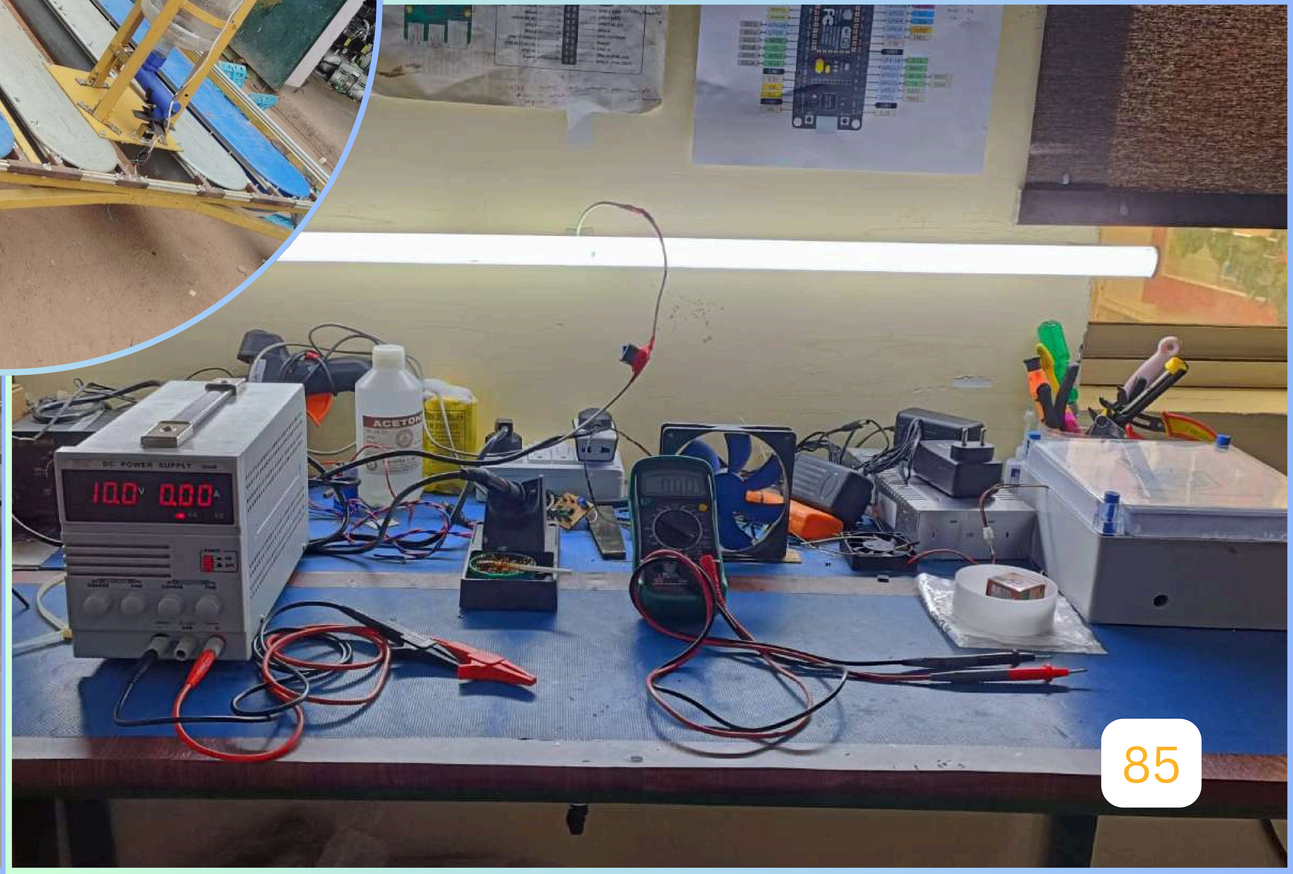
VertoX Labs provide a range of technology solutions for municipal water bodies, MSMEs, hospitals, Food & Beverage and other industries. One of their USP is the ability to provide Robotics-as-a-service that enables integration of in-situ sensors, AI based prediction algorithms to provide automated MRV (monitoring ,reporting and verification) and certification by verification agencies so that municipal agencies can avail green bonds under the Sovereign Green Bonds of GoI. Their modular and customizable platforms allow seamless deployment across varied environmental and industrial settings. VertoX Labs has successfully implemented pilot projects that demonstrated improved compliance, operational transparency, and faster access to green financing. The company is now scaling its impact through strategic partnerships with civic bodies and sustainability-focused organizations.

www.vertoxlabs.com

salomi@vertoxlabs.com







Forward Osmosis Unit

Draw Solution Tank

Pressure Gauge-1

Pressure Gauge-2

FO Membrane Cell

Aarvi Energy Filtrex & Environmental Solutions

Sustainable Electroconductive Moving Bed Membrane Bioreactor for Wastewater Treatment

Dr. Amol Vijay Sonawane

About the Startup :

Aarvi Energy Filtrex and Environmental Solutions is engaged in the manufacturing of advanced products for filtration, separation, and purification. The company also provides intellectual property (IPR) consulting and develops solutions to address environmental challenges. By integrating scientific and technological advancements, Aarvi Energy produces components for hydrogen fuel cells and electrolysis, serving a wide range of global industries. The company offers a comprehensive portfolio of filtration, energy, and environmental solutions designed to enhance industrial efficiency while minimizing environmental impact. Its portfolio includes membrane separation products and specialized environmental services, catering to the specific needs of various industries with a focus on reliability and sustainability.

Mr. Yogesh V. Sonawane

About the Innovation :

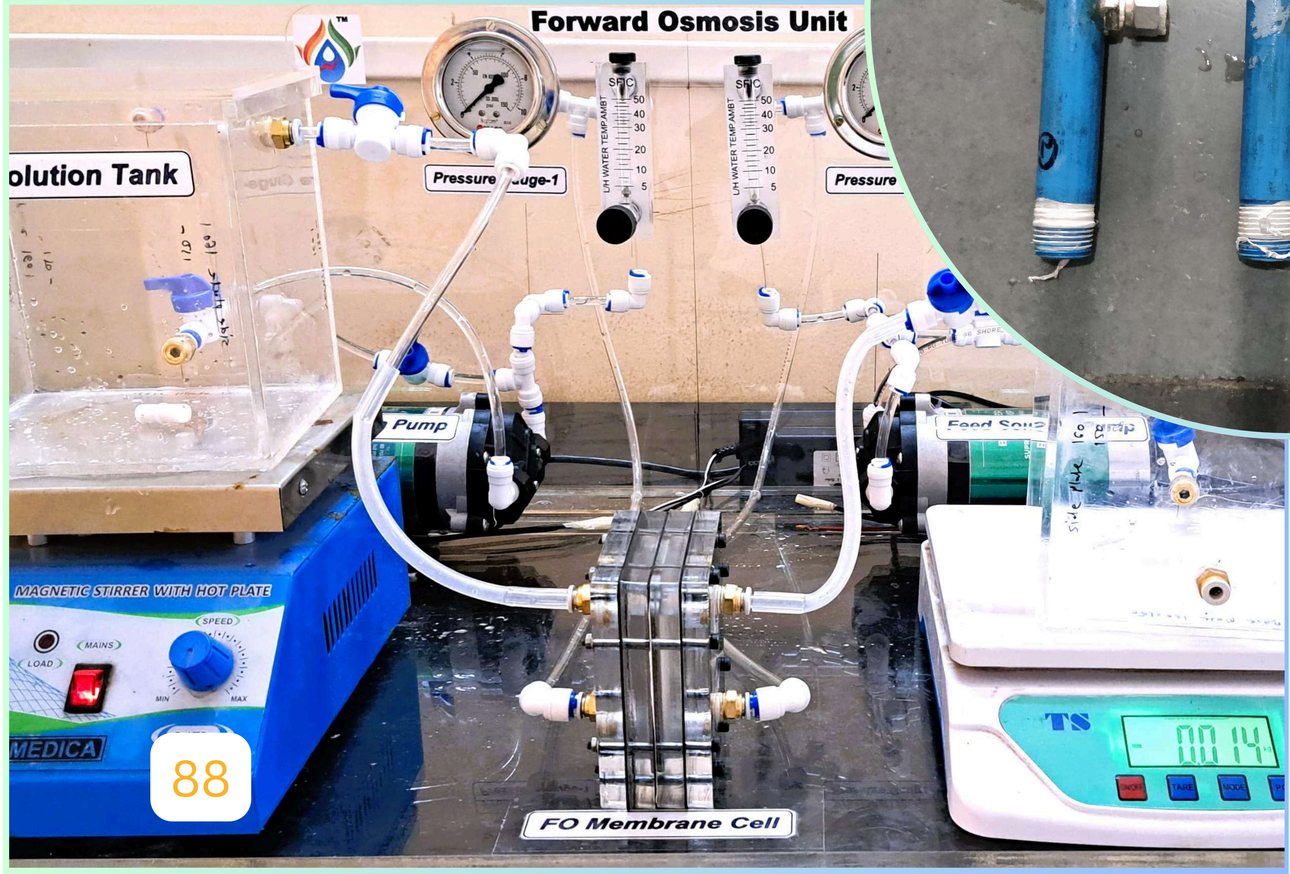
Aarvi Energy Filtrex & Environmental Solutions specializes in membrane separation technology and environmental solutions. As an equipment manufacturer, the company develops a range of membrane separation systems, including membrane bioreactor systems, polymeric flat sheet and hollow fiber membranes, membrane distillation units, forward osmosis units, and ceramic membrane units. In addition to its product offerings, the company provides environmental consultancy services, addressing pollutant challenges in various chemical industries.

www.aarvienergy.com

aarvienergy@gmail.com

OFF
ON
STOP
START

Equalization Tank
Aeration Tank
Permeate Tank
Electro-Conductive Moving Bed
Membrane Bioreactor System
Peristaltic Pump
Rainbow
10A/24V

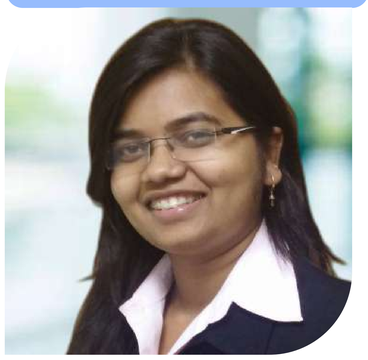

Forward Osmosis Unit
olution Tank
Pressure Gauge-1
Pressure
Pump
Feed Solu2
MAGNETIC STIRRER WITH HOT PLATE
MAINS
LOAD
SPEED
MIN
MAX
MEDICA
FO Membrane Cell
88

Aqua

Robo Bionics

Providing robotic and bionic solutions to improve the quality of human lives

Mr. Llewellyn Dsa



Ms. Priyanka Dsa

Mr. Anil Nair

About the Startup :

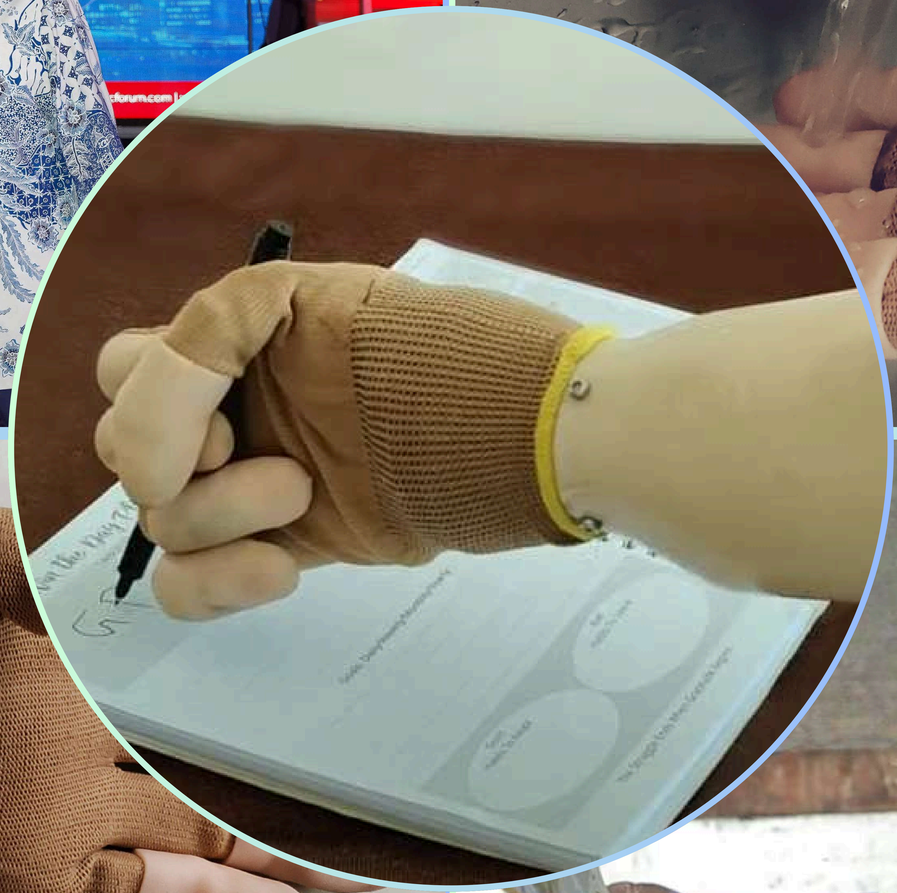
Robo Bionics is enhancing human lives through robotic and bionic technologies. Their mission is to ensure that individuals can thrive despite their circumstances by leveraging innovation and advanced technology. The company focuses on overcoming several barriers in rehabilitation, including limited awareness, accessibility challenges, technological gaps, and portability issues. One of its key innovations, Grippy, is a 3D-printed prosthetic hand designed for individuals with below-elbow amputations aged 15 years and older. Certified in a NABL-accredited laboratory, it incorporates MMG sensors and bionic technology to provide users with a sense of touch and multi-grip control.

About the Innovation :

Robo Bionics' “Grippy IoT” is a prosthetic hand that incorporates IoT connectivity to enhance the experience for individuals with upper limb prosthetic needs. The device integrates with digital platforms, allowing users to access improved functionality and control. Its IoT connectivity facilitates communication with various devices, enabling real-time adjustments and monitoring. This feature supports users in performing daily activities with greater ease. Additionally, Grippy IoT can receive remote updates and improvements, ensuring the prosthetic hand remains current with technological advancements.

www.robobionics.in

director@robobionics.in



Light Weight

Happy 60 plus

Happy60plus

Providing holistic services and solutions for independent living, social engagement and emotional well-being

Ms. Sunita Dube

Mr. Vinay Mishra

About the Startup :

Happy60plus is a social impact venture focused on supporting the elderly. The company aims to empower elderly individuals to lead independent lives while promoting healthy aging. Happy60plus provides well-trained services that address the diverse needs of the elderly and their caregivers, acting as an extended family and support system. The startup is committed to creating a nurturing environment that ensures aging individuals and their families receive the care and attention they need.

About the Innovation :

Happy60plus is an innovative holistic wellness platform tailored to meet the unique emotional, psychological, and physical needs of senior citizens. Addressing significant gaps in the current market, Happy60plus offers a comprehensive solution to support independent living for the elderly. Central to this innovation is the concept of "Happiness Buddies," a service designed to make aging in place both easy and comfortable. These Happiness Buddies are available on demand and provide personalized assistance as helpers and companions to seniors, ensuring they receive the support they need on an hourly basis.

www.happy60plus.com

vinay.mishra@happy60plus.com

Happy
60 plus

EDx Youth
dependently organized even

CARE GAP:
There is Lack of Holistic Wellness Solutions for Elderly in India
2
WHAT MANY THINK IS ENOUGH
Meals
Health Checkups
TV
CARING FOR OUR ELDERS
WHAT ELDERS TRULY WANT
Personalized care
Social Interaction
Safe space to retire
Well-being
Easy access to essentials
Independence to pursue interest
Source : #UNIDOP2021

Innovati Med Solutions

Building easy-to-use health tools for speech therapy, transplant care, and newborn glucose monitoring

Dr. Abdul Rasheed P

Dr.TCR Ramakrishnan

Dr. Saleem Akhtar

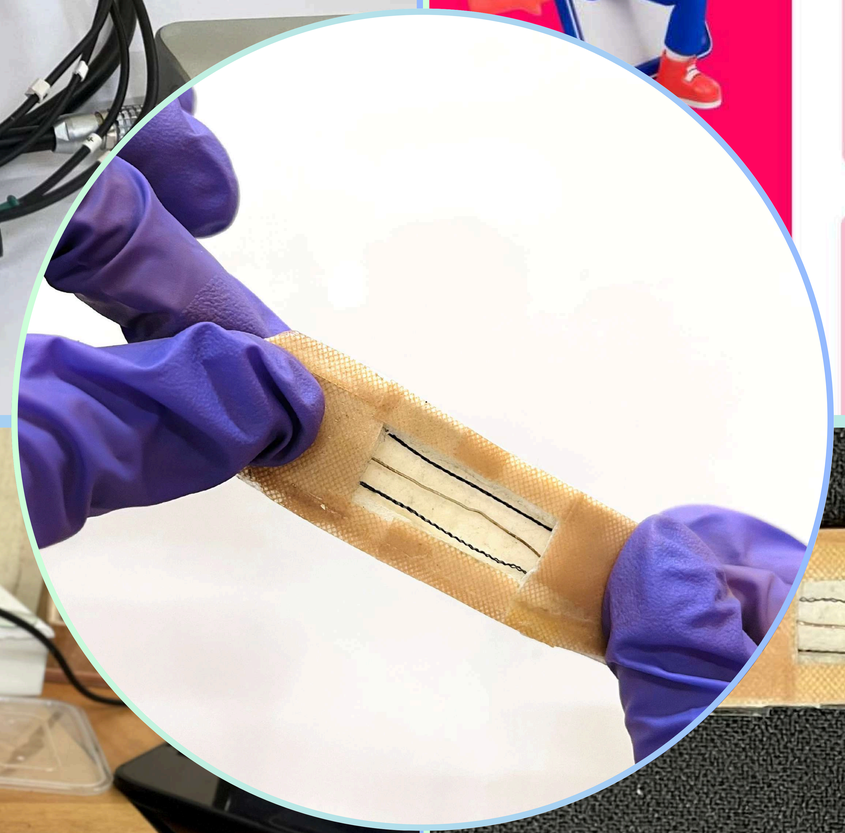
About the Startup :

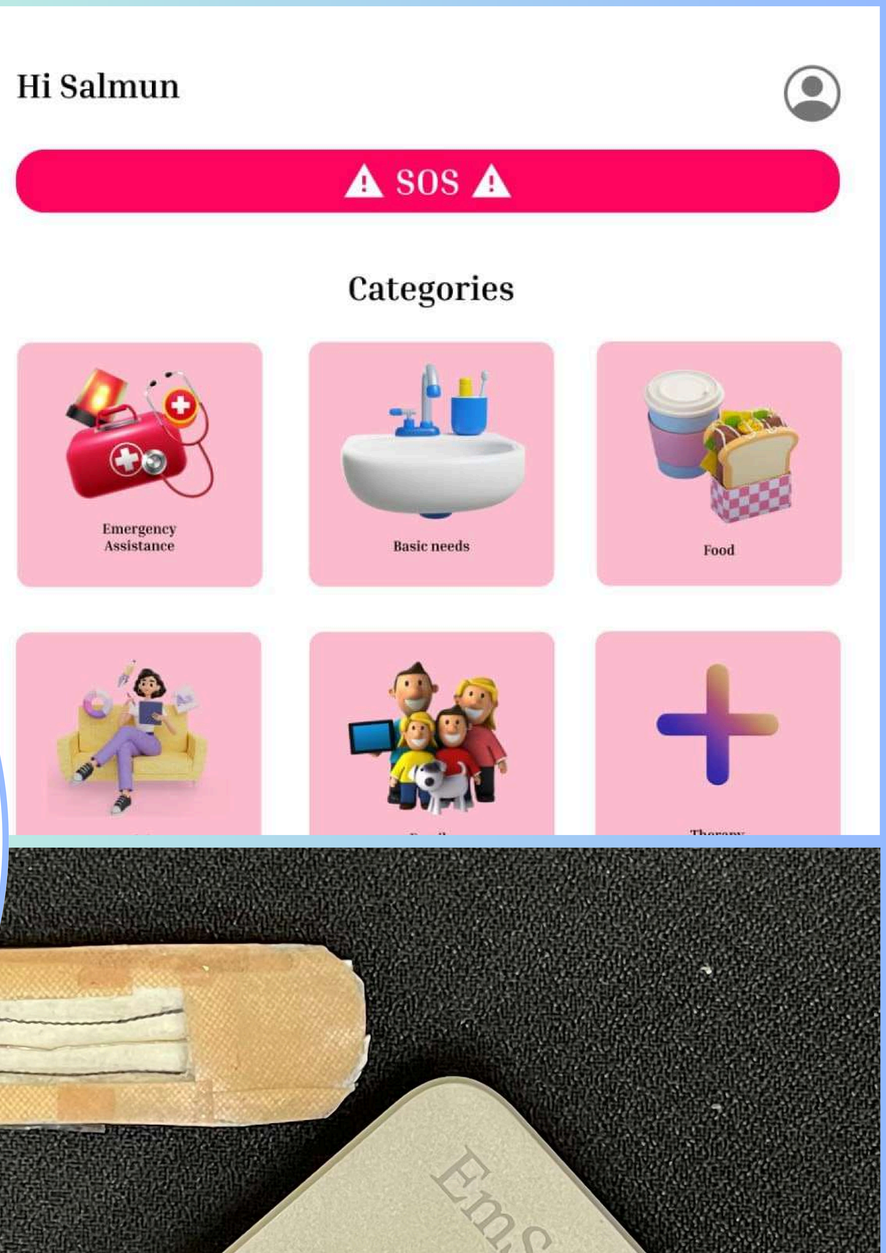
Innovati Med Solutions was established in 2022, the company is an innovative entity driven by a strong mission led by two medical doctors and a nanotechnologist to provide medical solutions for the general public. The company is engaged in various projects, including the fabrication of a prototype device for the detection of Tacrolimus, the Wonder Box (a neurological rehabilitation tool using games), Melodious (an app designed to assist aphasia patients), and the development of a wearable patch for glucose monitoring.

About the Innovation :

Innovati Med Solutions is focused on creating advanced yet user-friendly healthcare technologies to improve the lives of patients. The team is working on three key innovations. Melodious is a mobile app that helps people with aphasia by supporting their speech therapy and communication. The Tacrolimus sensor is a medical device that allows organ transplant patients to easily check their drug levels, helping doctors adjust treatment and avoid complications. Gluco-easy is a non-invasive strip developed to monitor blood glucose levels in newborn babies without causing pain. These innovative solutions aim to make healthcare more accessible and effective in the areas of rehabilitation, post-transplant care, and neonatal health.

abdulrasheed@iitpkd.ac.in

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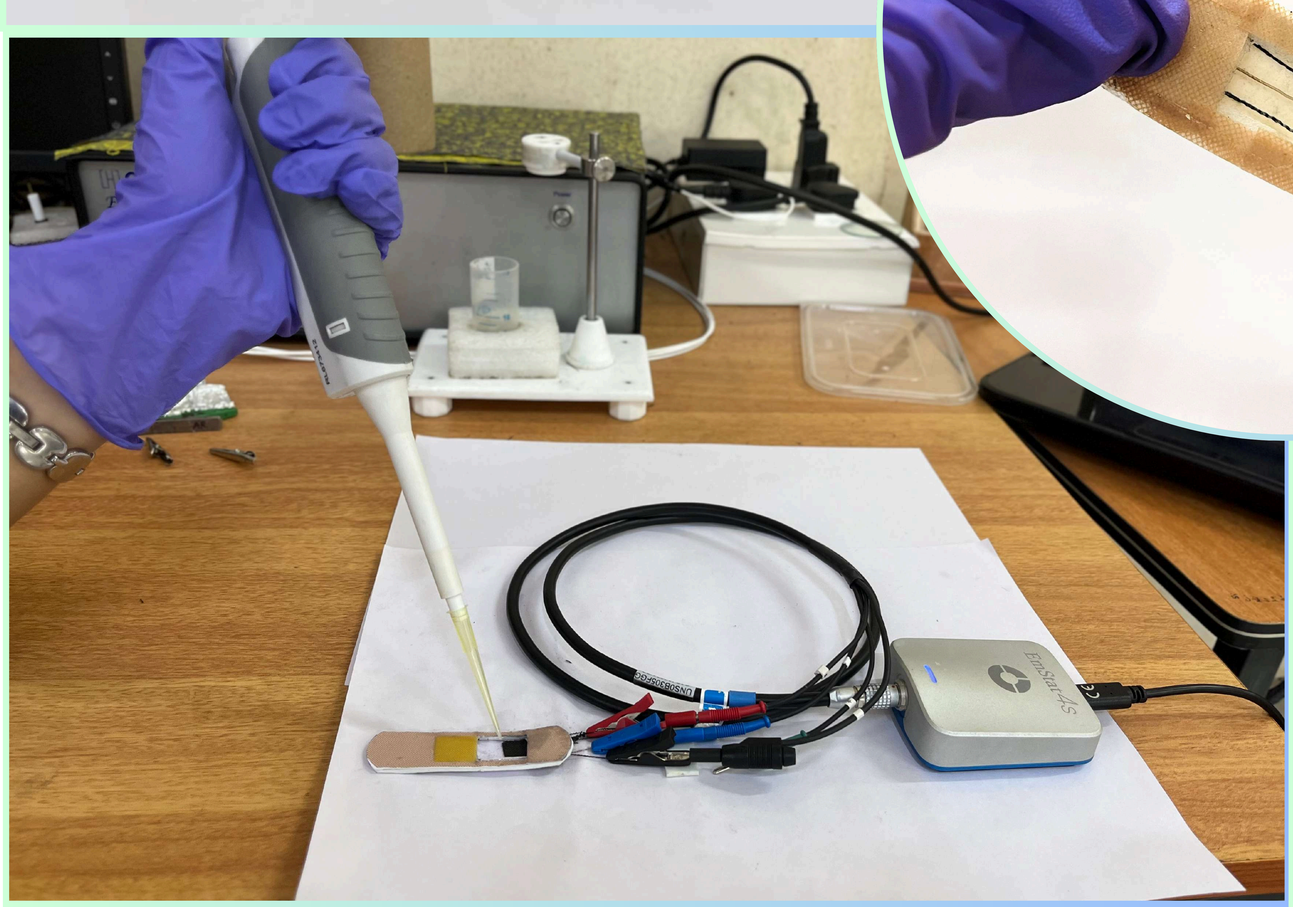
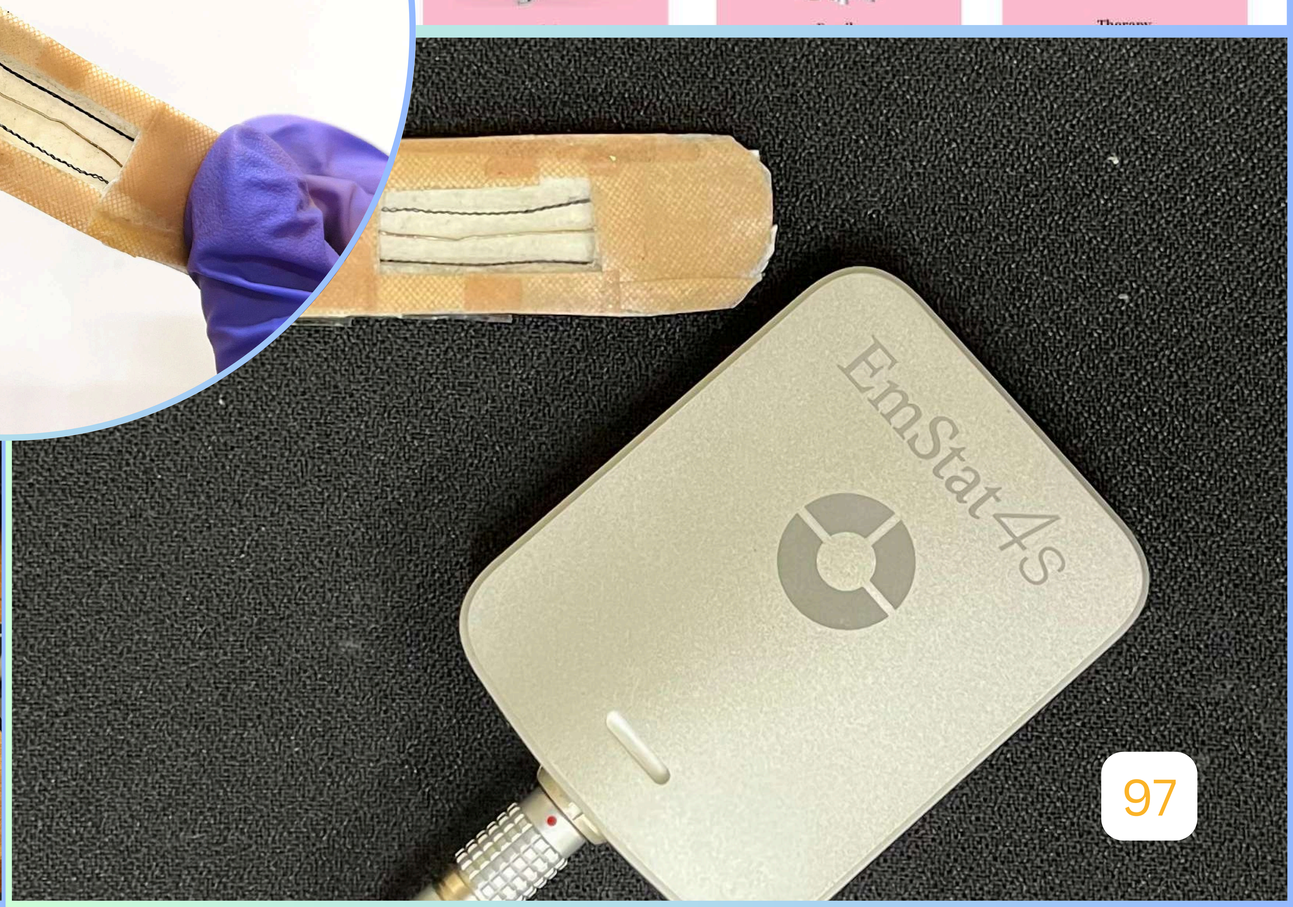
SOS
Categories
Emergency Assistance
Basic needs
Food




EmStat4S

Amrit Meditech

Develops innovative solutions through dynamic InfraRed Thermography for diagnostics

Dr. Amrit Dixit

About the Startup :

AMRIT MediTech (AMPL) specializes in developing cutting-edge, affordable, and non-invasive medical devices. The company focuses on creating medical solutions for surgical procedures, particularly in areas like free flap reconstruction for head and neck surgery, burns, plastic surgery, and breast cancer. Monitoring tissue health and perfusion is essential in these procedures. AMPL strives to enhance global quality of life by providing advanced, accessible solutions that empower patients, doctors, and healthcare professionals worldwide. The company is committed to making healthcare more accessible, affordable, and compassionate.

Dr. Fatima Electricwala

About the Innovation :

Amrit MediTech is advancing in diagnostic solutions through its innovative use of Dynamic Infrared Thermography. This technology is designed to enhance the efficiency and success rates of surgical flaps by providing early detection and accurate prediction of flap vascular compromise. By identifying potential issues at the initial stage, the solution allows for timely intervention to salvage failing flaps, ultimately improving surgical outcomes. The core of Amrit MediTech’s innovation is a handheld Dynamic Infrared Thermography device. This device captures high-resolution thermal images of the skin paddle used in microvascular reconstruction. It plays a vital role in the postoperative phase, aiding in the interpretation of circulation and offering real-time analysis of blood flow. This is particularly beneficial for surgeries such as Head and Neck Tumor resection, where precise monitoring is crucial.

www.amritmedtech.com

amritdixit108@gmail.com

MainWindow
Image Analysis Tool
MENU
DASHBOARD
Point
Circle
Line
Box
CMTR
Zoom IN
Zoom OUT
Reset Modifications
Back
Save
jet
HSV
Gray
Rainbow
Winter
Cool
Hot
Inferno

Revin Techno Solutions

Develop data-driven IoT solutions for alternate farming, including sensing, automation and traceability

Mr. Sreehari V

Dr. Satyajit Das

Dr. Sreenath Vijayakumar

About the Startup :

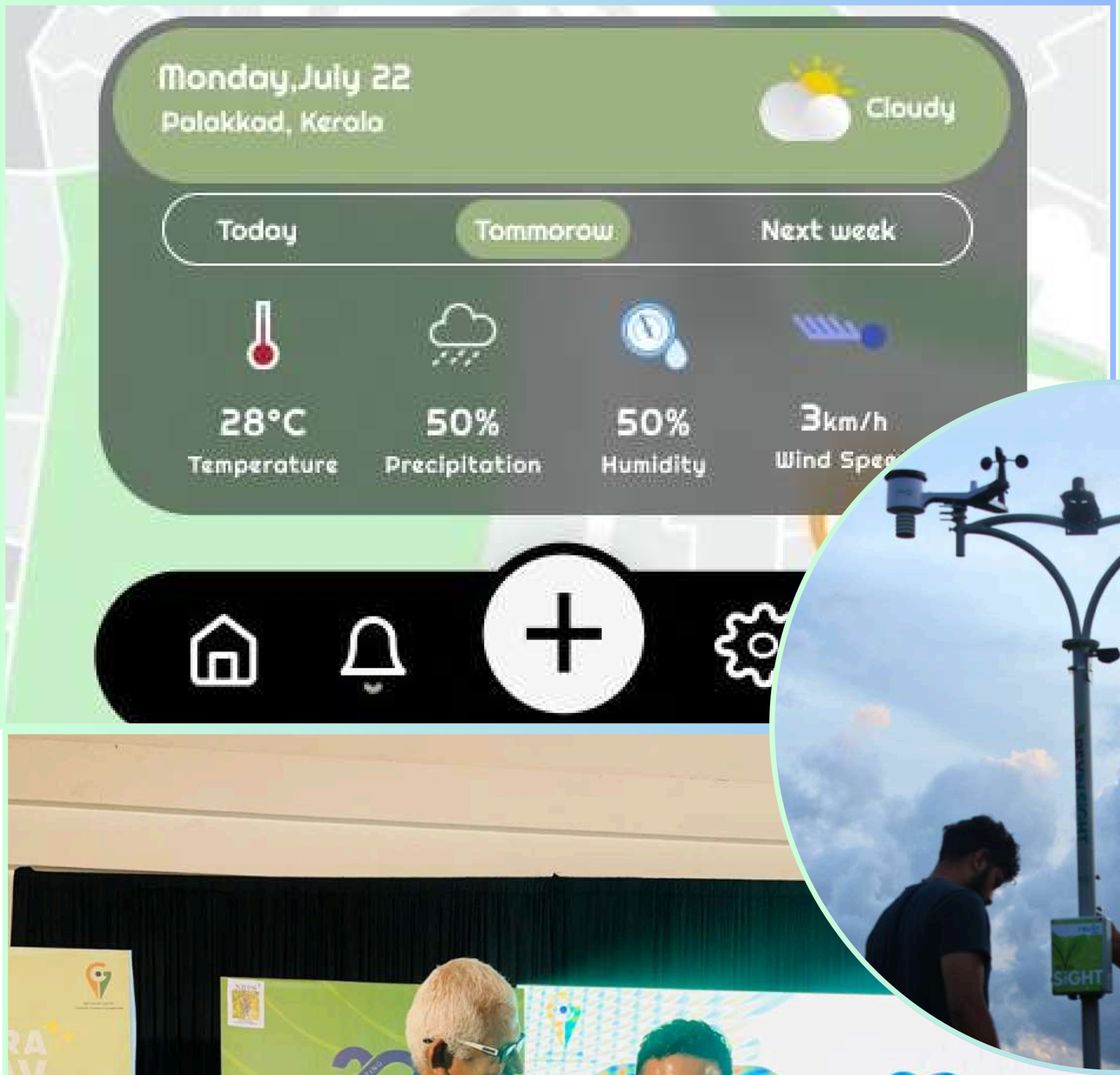
Revin Techno Solutions is an Agritech startup focused on democratizing data-driven agriculture using IoT and Big Data. The company develops integrated full-stack solutions for alternative farming, including sensing, automation, and traceability solutions for smart farming. Revin Techno Solutions ensures reliable and sustainable food production at scale. The startup's mission is to build engineering solutions that enhance human lives, aiming to cultivate the right crops with best practices while leveraging relevant technologies at the appropriate locations and scale for sustainable global food production.

About the Innovation :

Revin Krishi offers a comprehensive suite of services, including cutting-edge sensing, automation, and traceability solutions, empowering farmers to optimize yields, enhance sustainability, and ensure food safety. The flagship product, Revin Sight, is the customer's farm personal assistant–an intelligent in-field monitoring device that provides real-time insights into crops. By combining weather, plant, and soil data with advanced analytics, Revin Sight provides actionable recommendations to boost productivity and profitability. This robust device helps farmers make informed decisions, optimize resource utilization, and reduce risks. Revin Log is a comprehensive farm management platform designed to streamline operations and improve efficiency. With features like climate-smart advisory, AI-powered quality analysis, and pest/disease detection, farmers can make data-driven decisions to enhance crop health, optimize yields, and ensure food safety. The platform also facilitates traceability, enabling farmers to meet the increasing demands of global markets.

www.revinkrishi.com

sreehari@revinkrishi.com


Monday,July 22
Palakkad, Kerala
Cloudy
Today
Tommorow
Next week
28°C
Temperature
50%
Precipitation
50%
Humidity
3km/h

SIGHT

2024 NAVARA UTSAV
TECHNICAL SESSION

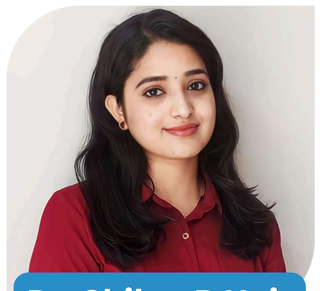
SIGHT

DromoLys Research and Development

Innovation in the transportation sector, dedicated to transforming systems and infrastructure through cutting-edge research and technology

Dr. Suvin P. V

Mr. Praveen M P



Dr. Shilpa R Nair

Mr. Ishant Bonde

About the Startup :

DromoLys Research and Development dedicated to advancing transportation systems and infrastructure through innovative research, state-of-the-art technology, and comprehensive solutions. Their mission is to revolutionize the field of transportation by enhancing safety, efficiency, and sustainability. With a strong focus on Intelligent Transportation Systems (ITS), urban infrastructure, and environmental resilience, DromoLys aims to set new industry standards and contribute to developing smart cities and sustainable communities.

About the Innovation :

DromoLys Research and Development collaborates with academic institutions, industry partners, and government agencies to advance transportation innovation through joint research proposals, co-authored publications, and shared intellectual property rights. The company provides comprehensive data services utilizing drones and AI-driven techniques, including field data collection, processing, predictive modeling, and advanced visualization to generate actionable insights. Its tailored software and hardware solutions cater to various transportation needs, such as traffic management systems, real-time monitoring tools, and automated data collection technologies. Additionally, the company offers consultancy services in intelligent transportation systems (ITS), autonomous vehicle technologies, green mobility, public transport design, road safety evaluations, audits, and the preparation of detailed project reports.

www.dromolys.com

dromolys@gmail.com

(TECHIN)
IIT PALAKKAD
MedTech

Safety Buffer and its Association with Vehicle Type and Speed: an Empirical Evaluation Using Unma
TRB
METHODOLOG
INTRODUCTION
SAFETY BUFFER
Unmanned Aerial Vehicle Data
Challenges
RESULTS & DISCUSSION

106

IT PALAKKAD
102
Technology Development

BumbleBee
INSTRUMENTS PRIVATE LIMITED
An IIT Palakkad Incubated Company

Bumblebee Instruments

Specialized in developing state-of-the-art instrumentation, catering to a wide range of research and development

Dr. Arvind Ajoy

Mr. Ananthu Sasikumar

Mr. Abhinav R

About the Startup :

Bumblebee Instruments specializes in the development of advanced scientific instrumentation, supporting a wide range of research and development applications. The company's expertise extends across multiple domains, including cell characterization, solar-powered appliances, OPU-based Micro-Electro-Mechanical Systems (MEMS), XY stages, lock-in amplifiers, and specialized kits for STEM education. These solutions are designed to enhance precision, efficiency, and accessibility in scientific research and technological innovation.

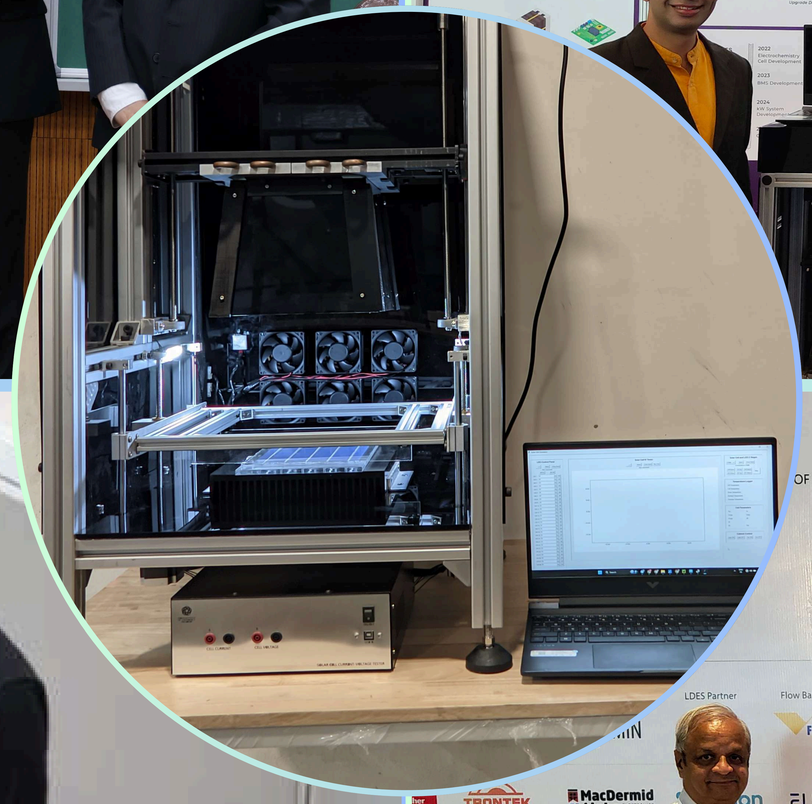
About the Innovation :

The project focuses on developing a market-ready solar simulator, integrating bifacial cell capability and securing the required certifications. This initiative aligns with the establishment of Bumblebee Instruments, a company dedicated to the design and manufacturing of scientific instruments. The solar simulator will be one of the initial products introduced, aimed at advancing solar energy research and testing by providing precise and reliable performance evaluation for photovoltaic technologies. Its compact and modular design makes it suitable for both laboratory and industrial applications. The team is also working on incorporating advanced data acquisition and analysis features to enhance research capabilities. Bumblebee Instruments envisions expanding its product line to support broader applications in renewable energy and material sciences.

www.bumblebeeinstruments.in

abhinavr212@ieee.org

Certificate



KAD TECHNOLOGY
UNDATION (IPTIF)
22A
ARKLE
Energy Solutions
UTILITY SCALE ENERGY STORAGE SOLUTIONS
Robust Chemistry
High Performance Stack
AI Based BMS
ARKLE
ENERGY SOLUTIONS
LDES ENERGY STORAGE SOLUTION
Driving Value Creation Across Power Sector Channels
RURAL ELECTRIFICATION
MICROGRIDS
TRANSMISSION UTILITIES
IIT Palakkad Technology IHub Foundation

IIT PALAKKAD TEC
IHUB FOUNDATI
IIT Palakkad Technology IHub Foundation
ELEXO ENERGY
EXO
EXO THERMAL BLOCK
INTELLIGENT
EFFICIENT
POWERFUL
APPLICATIONS
OUR ENABLERS

India Energy Storage Week 2024
July 1st - 5th 2024 | New Delhi
विद्युत मंत्रालय
MINISTRY OF POWER
Country Partner
AUSTRALIA
BUSINESS FINLAND
Global State Partner
GOVERNMENT OF WESTERN AUSTRALIA
GRIDCO
EXPO PARTNER
LDES Partner
Flow Battrey Partner
Silver Partner
Schneider Electric
TRONTEK
MacDermid Alpha ELECTRONICS SOLUTIONS
MathWorks
exicom
Edina
SUPPORTING PA
MEDIA PARTNE
SEMCO INFRATECH
mahindra LAST MILE MOBILITY
MelSynth
Malvern Panalytical
GODI

Skill Development

Entrepreneurship Development Program (EDP)

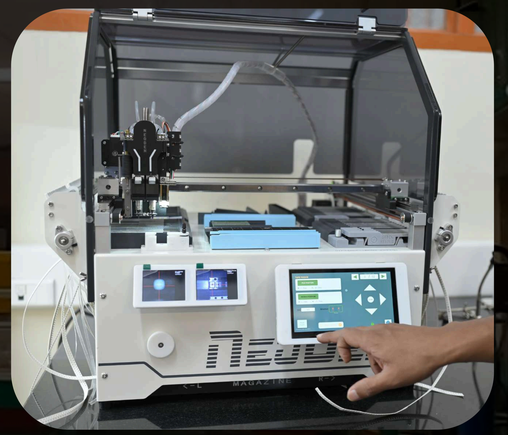
TECHIN conducts Entrepreneurship Development Programs (EDPs) to nurture an entrepreneurial mindset among students, women, and aspiring entrepreneurs. These programs also play a vital role in supporting TECHIN-incubated startups by helping them refine their products and achieve product-market fit. One such EDP was conducted in collaboration with the Indian Institute of Management Kozhikode (IIMK), funded by HDFC Bank Parivartan. Through this initiative, around 50 startup founders received certification and gained valuable insights to strengthen their entrepreneurial journey.

Certified Plumbing Technician Program

The Certified Plumbing Technician Programme is a key initiative focused on raising plumbing standards and developing skilled professionals in the Palakkad region and beyond. This comprehensive upskilling program is jointly recognized and certified by the Centre for Continuing Education, IIT Palakkad (CCE) and the Technology Innovation Foundation of IIT Palakkad (TECHIN) , in collaboration with the International Association of Plumbing and Mechanical Officials (IAPMO), India. It equips participants with essential knowledge and practical skills in advanced plumbing techniques, including the installation, repair, and maintenance of piping systems and fixtures used in water distribution and wastewater management. By understanding the fundamental principles of plumbing systems, participants are prepared to effectively apply their skills in real-world settings.

GLOBAL SANITATION CENTER OF EXCELLENCE (GSCOE)

Global Sanitation Center of Excellence (GSCOE) at IIT Palakkad, initiated and facilitated through the Office of Principal Scientific Advisor, Government of India, focuses on developing and validating innovative, non-sewered sanitation technologies. The state-of-the-art laboratory offers comprehensive testing services for wastewater, biosolids, and septage to support research, innovation, and solution validation in the Water, Sanitation & Hygiene sector.



https://gscoe.iitpkd.ac.in/

Testimonial

Mr. Ashish Mehrotra

Co-founder, Nirgandh

TECHIN is a remarkable incubator that has truly transformed our entrepreneurial journey. The guidance and mentoring provided by the team have been nothing short of exceptional. Their support has played a pivotal role in shaping our enterprise, and what it is today. The mentoring has gone above and beyond to provide valuable insights, strategic direction, and actionable advice that have helped me navigate the complexities of the startup ecosystem with confidence. Their support and encouragement have been instrumental in overcoming challenges and seizing opportunities.Thanks to TECHIN, we have not only gained valuable knowledge and skills but also forged meaningful connections within the industry.

Mr. Robin Singh

Founder, Cluix

Our engagement with TECHIN has been a truly transformative experience under HDFC Parivartan Project. We had received exceptional mentorship, strategic guidance, and access to a vibrant ecosystem of innovators. The EDP certification from IIM Kozhikode was a great learning experience, enriching our strategic thinking and business acumen. Additionally, the Samagra 2-day program was a wonderful platform to connect with fellow social innovators and exchange impactful ideas. We’re grateful to be part of a community that genuinely fosters deep-tech entrepreneurship.

Testimonial

Ms. Sruthi Babu

Founder, Dhanvantri Biomedical

Techin has been an incredible enabler for startups like Sahayatha Wheelchair, providing the perfect platform to innovate and grow. Their unwavering support and mentorship have been instrumental in turning ideas into impactful solutions. Grateful for their commitment to fostering innovation.

Prof. Srikanth Mutnuri

Founder, BacTreat Environmental Solutions

As an incubatee at TECHIN, BacTreat Environmental Solutions Pvt Ltd has witnessed tremendous growth and support. Techin's state-of-the-art infrastructure, mentorship, and networking opportunities have been instrumental in helping us scale our innovative environmental solutions. We're grateful for the nurturing ecosystem that TECHIN has provided, enabling us to succeed and make a meaningful impact.

Testimonial

Mr. Stanley C G

Founder, Cosmovend Automations

Cosmovend has received valuable mentorship from TECHIN, the Technology Innovation Foundation of IIT Palakkad, to advance its Pathway model–a shop with a smart toilet designed for self-sustainability. With the expertise of the TECHIN team, Cosmovend is enhancing its solutions by integrating solar energy, water reuse systems, and advanced automation to ensure efficient and eco-friendly public sanitation. This collaboration strengthens Cosmovend's mission to create self-sustaining sanitation infrastructure that operates independently while generating revenue, making clean and accessible public toilets a reality across urban India.

Dr. Shirish Hari Sonawane

Founder, Haricken Process Intensification

Our journey with TECHIN has been nothing short of transformative. The grant received from their online pitch event gave us the initial boost we needed to scale our operations and refine our product offerings. Beyond funding, the mentorship, networking opportunities, and business guidance we received throughout the year-long incubation period were invaluable.What truly stood out was TECHIN's incredibly supportive, approachable, and proactive team. Their support went beyond funding; it empowered us to scale with confidence.We're deeply grateful for their trust in our start-up This compendium reflects their dedication to nurturing innovation–we're proud to be part of their story.

Testimonial

Dr. Praveena Gangadharan
Founder, PritviChakr Innovations

TECHIN played a pivotal role in shaping our startup, PritviChakr Innovations Private Limited – from establishment to periodic, rigorous business mentoring sessions that provided crucial insights for our entrepreneurial journey. Their generous funding support and facilitation of numerous platforms to showcase our technology and build valuable networks were truly commendable. The entire TECHIN team was supportive, and their consistent encouragement enabled us to create a strong platform for our growth. They have truly sown the seeds for a strong and impactful future for our startup, and I deeply appreciate their unwavering support.

Dr. Deepak Jaiswal
Founder, ReHumus Technology

My experience with TECHIN has been incredibly enriching and inspiring. The TECHIN team was especially helpful at various stages of ReHumus Technology Pvt Ltd's application in response to the Samastha 6.0 call. Their guidance and suggestions were invaluable during the registration process, particularly since ReHumus Technology was not a registered company at the time of applying. Additionally, the mentors shared insightful advice on market reach, which has been instrumental in shaping our strategic direction.

Testimonial

Mr. Llewellyn Dsa
Founder, Robo Bionics

TECHIN of IIT Palakkad has been a game-changer for our startup, Robo Bionics. The access to state-of-the-art facilities and equipment has allowed us to push the boundaries of our research and development. The support from the highly knowledgeable staff and mentors has been crucial in helping us navigate the complexities of the medical technology industry.

Dr. Abdul Rasheed
Founder, Innovati

TECHIN truly lives up to its name by providing an ecosystem that nurtures innovation and entrepreneurship. I am deeply grateful for the support and opportunities it has provided, and I am confident that it will continue to be a catalyst for success for many more startups in the future.

GALLERY

12th KMTC Stakeholders Connect Meet (SCM)
In Collaboration with IIT Palakkad &TECHIN
FOSTERING MEDTECH BREA OUGHS: THE POWER
DUSTRY-A DEMIA-RE RCH PART SHIPS

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INDIAN INSTITUTE OF TECHNOLOGY PALAKKAD
TECH
CONF
Bridging Industry, Research
MSME'24 @ IIT P
9th November

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OF IIT PALAKKAD
A Synergetic Catalyst to Innovate
Collaborators
HDFC BANK PARIVARTAN
West
TOILET
IAPMO

TECHNOLOGY INNOVATION FOUNDATION OF IIT PALAKKAD (TECHIN)
Global Sanitation Centre of Excellence (GSCoE)
Technology Innovation Foundation Of IIT Palakkad (TECHIN)

Plumbing Apprentice Programme (PAP)
Technology Innovation Foundation of IIT Palakkad (TECHIN)

GALLERY

TECHNOLOGY INNOVATION FOUNDATION
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GALLERY

SUNDARBAN CHEMICALS
FEMCURA HEALTHTECH
Chemicals Pvt. Ltd.
#MAKING THE PLANET BLUE

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(TECHIN)
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HDFC BANK
PARIVARTAN
Samagra-2025
समग्र
TECHIN
SaniTech Startup
Conclave

Bill Gates
Ajay Kumar Sood
Parvinder Maini

GALLERY

ANVANTRI BIOMEDICAL
EXIT

TECHNOLOGY INNOVATION FOUNDATION OF ST PALAKKAD

IIT PALAKKAD
HDFC BANK
PARIVARTAN
A step towards sustainable progress

KRISHI
YPULSE

EXIT

REHUMUS TECHNOLOGY
ReHumus

JOIN US AS A FUNDING PARTNER

As a Section 8 non-profit company, TECHIN is eligible to receive CSR funding under Schedule VII of the Companies Act, 2013. Here's why partnering with TECHIN is a valuable CSR opportunity:

- Direct alignment with Sustainable Development Goals (SDGs) and national development priorities
- Proven track record in supporting impactful, innovation-driven startups
- Transparent fund utilization and measurable social impact
- Focus on high-impact sectors such as WaSH, MedTech, FoodTech & AgriTech etc.
- Strong governance and institutional credibility, backed by IIT Palakkad

+91 9400060382, +91 8848875281

office@techin-iitpkd.org

TECHIN
IIT PALAKKAD
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IIT PALAKKAD

Technology Innovation Foundation of IIT Palakkad (TECHIN), V Square Commercial Complex
Ground floor, Near HDFC Bank (Opposite to ITI Ltd.), Kanjikode (Post), Palakkad (District), Kerala-678623

office@techin-iitpkd.org 8848875281 www.techin-iitpkd.org