



Supported by



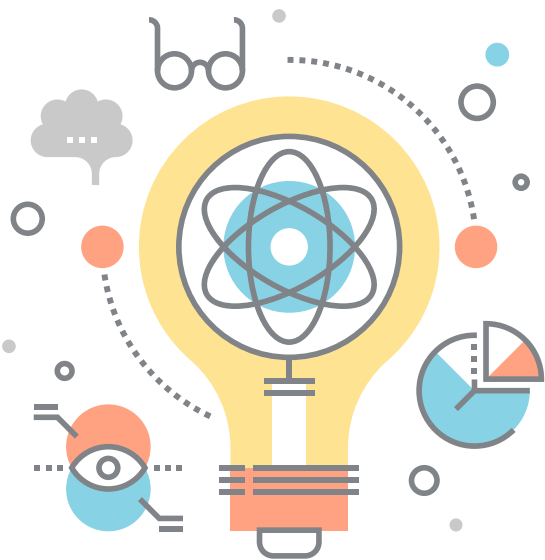
ATAL INNOVATION MISSION



NEWSLETTER OF AIC NIPER- GUWAHATI FOUNDATION



2025



Volume No. 2

Issue No. 2 (June-December 2024)

**AIC NIPER-Guwahati Foundation,
NIPER-Guwahati Campus,
Changsari, Kamrup, Assam-781101**



Chairman's Column



It is a profound pleasure to welcome you to the second edition of our newsletter. As the Chairman of AIC NIPER-Guwahati, I am honoured to address our distinguished community and reflect on the remarkable strides we have made in our journey of innovation and excellence. This newsletter serves as a testament to our unwavering commitment to advancing the frontiers of pharmaceutical research and development while embodying the values of resilience, collaboration, and progress.

NIPER-Guwahati has firmly established itself as a premier institution, renowned for its contributions to both fundamental and applied research in the pharmaceutical sciences. We take immense pride in setting and exceeding benchmarks, particularly in the domains of healthcare, pharmaceutical development, and medical device innovation, with a clear focus on societal impact.

Our mission extends beyond research excellence, as we strive to create a unified platform that leverages cutting-edge infrastructure and a highly dedicated team. Our goal is to foster transformative growth that benefits the Northeast region and the nation as a whole.

A defining achievement of 2023 was the establishment of the Atal Incubation Centre (AIC) at our campus, supported by the Atal Innovation Mission (AIM) under NITI Aayog. This initiative reflects the Government of India's vision of cultivating a robust ecosystem for innovation and entrepreneurship, and we are proud to be at the forefront of this endeavor.

As we forge ahead, I call upon all stakeholders to remain steadfast in their commitment to our shared vision of excellence and innovation. Together, we have the potential to redefine the possibilities within our industry and make a lasting impact on society.

- Dr. USN Murty
Chairman

AIC NIPER-GUWAHATI FOUNDATION

From the desk of Board of Directors



Dr. P. RADHAKRISHNANAND

It is with great pride and enthusiasm that we welcome you to this edition of our newsletter. As members of the Board of Directors of the AIC NIPER-Guwahati Foundation, we are privileged to share the remarkable journey of innovation, collaboration, and excellence that positions us as a catalyst for transformative growth in the fields of Healthcare and Pharmaceuticals, Biotechnology, Agriculture, and Waste Management.

The establishment of the Atal Incubation Centre (AIC) NIPER-Guwahati Foundation in 2023, under the visionary support of the Atal Innovation Mission (AIM) of NITI Aayog, marks a significant milestone in fostering a robust culture of innovation and entrepreneurship in the Northeast region and beyond. This initiative exemplifies the Government of India's steadfast dedication to nurturing creativity, advancing technology, and enabling sustainable solutions.

Our incubation centre provides a world-class platform, offering cutting-edge infrastructure, expert mentorship, and a forward-thinking vision to empower innovators and entrepreneurs. With a strong focus on collaboration, the AIC is driving transformative advancements by fostering synergies among innovators, technologists, policymakers, funding agencies, investors, and other critical stakeholders within the innovation ecosystem.

At AIC NIPER-Guwahati, we do not merely adhere to standards—we establish benchmarks. Through integration with national and international networks, we ensure that our innovators and startups are equipped to excel and thrive alongside their peers in leading incubation centres worldwide.

We are confident that the AIC NIPER-Guwahati Foundation will continue to uphold its mission and serve as a model for innovation and excellence. By setting new standards and fostering impactful collaborations, we are paving the way for groundbreaking achievements, creating enduring value, and driving sustainable progress.

As we advance together, let us embrace a shared vision rooted in excellence, innovation, and inclusivity. Together, we can transform challenges into opportunities and realize a future defined by progress and impact.



Dr. SANJAY K. BANERJEE



Dr. AMIT ALEXANDER

Message from Coordinator & CEO



Dr. KRISHNA UNDELA

I am delighted to share with you the latest developments and accomplishments at the AIC NIPER-Guwahati Foundation. As we advance our mission of fostering innovation, entrepreneurship, and cutting-edge research in the pharmaceutical and healthcare sectors, we remain steadfast in our commitment to providing a robust platform that nurtures and empowers emerging startups and innovators.

In recent months, we have achieved remarkable progress in supporting early-stage ventures through comprehensive mentorship, financial assistance, and access to state-of-the-art infrastructure. By collaborating with industry leaders, academic experts, and investors, we have cultivated a dynamic and supportive ecosystem where creativity, innovation, and entrepreneurship can flourish.

We are optimistic about the potential of the startups at AIC NIPER-Guwahati Foundation to achieve transformative growth and deliver meaningful contributions to society. Your unwavering support continues to be an invaluable asset in this journey, and we look forward to sharing more inspiring success stories with you in the near future.



Dr. B.B.V BINDU

Dear Stakeholders, Partners, and Innovators,

It is my distinct privilege to extend a warm welcome to the AIC NIPER-Guwahati Foundation. As we embark on this transformative journey of fostering entrepreneurship and driving innovation, our foundation is uniquely positioned at the confluence of scientific excellence, industry leadership, and impactful societal contributions.

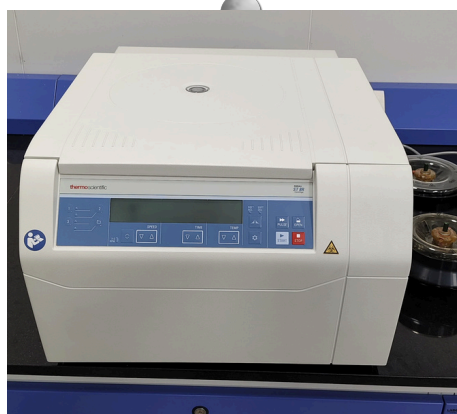
Collaboration will remain the cornerstone of our progress. We are dedicated to forging strong partnerships with industry leaders, academic institutions, and government bodies, while nurturing a dynamic and enabling ecosystem for young innovators and researchers to explore and redefine the boundaries of possibility.

I invite you to join us in this mission to create a future where science, innovation, and entrepreneurship serve as catalysts for enduring progress in healthcare and beyond. Together, we have the opportunity to shape transformative solutions that leave a lasting impact.

Thank you for your continued support and trust in our vision.

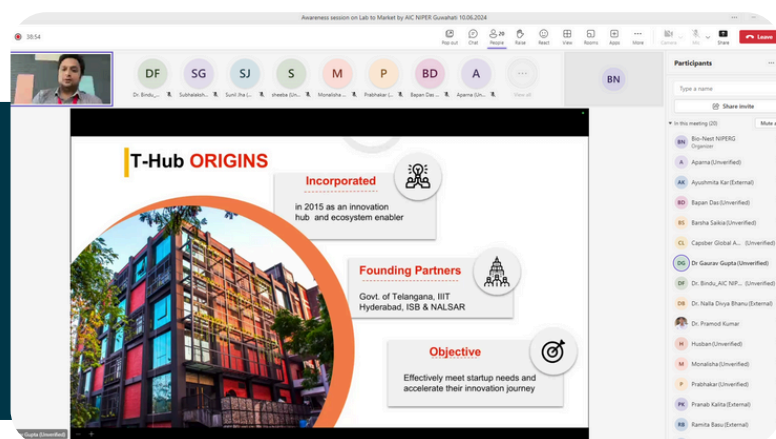


STATE OF THE ART FACILITY





AWARENESS SESSION



AIC NIPER-Guwahati Foundation, in collaboration with AIC T-Hub Foundation organized an online awareness session on **"Lab-To-Market Program"** on 10th June 2024.

The session featured **Dr. Gaurav Gupta, Ph.D.**, Manager at AIC T-Hub Foundation, Hyderabad, as the esteemed speaker.

Dr. Gupta provided valuable insights into the objectives of the program and highlighted the benefits it offers to researchers, students, startups, and entrepreneurs.

AIC NIPER-Guwahati Foundation organized a virtual session titled **"The Legal and Regulatory Framework for Environment Protection in India."** The session featured the esteemed speaker, **Dr. Kameswar Rao AV, Vice President** of EHS at Stelis Biopharma Ltd.

A total of 22 participants attended the webinar, where we collectively explored the intricate legal landscape and regulatory measures designed to safeguard the environment for future generations.





BREAST CANCER AWARENESS PROGRAM' 2024



The “**Breast Cancer Awareness**” rally, organized by AIC NIPER-Guwahati Foundation in collaboration with NIPER Guwahati on the same day, was a comprehensive initiative aimed at raising awareness about breast cancer. This impactful event featured educational segments that provided essential information on early detection, prevention strategies, and the significance of regular screenings. The rally not only fostered a strong sense of community but also emphasized the critical role of solidarity and support in combating breast cancer effectively.

An insightful webinar was held on 29th October 2024. We were honored to have **Dr. Pompi Daimari Buragohain, Asst. Professor** at Dr. B. Barooah Cancer Institute, as our guest speaker. Health experts and oncologists shared their insights, emphasizing the impact of lifestyle choices on breast cancer risk.



INSPIRING AND INSIGHTFUL SESSION ON INTELLECTUAL PROPERTY RIGHTS



The AIC NIPER-Guwahati Foundation organized a webinar titled **“Empowering Innovation: IP and Tech Transfer Insights”** on 19th October, 2024. The guest speaker, **Mr. Shivakumar R., Founder and Managing Attorney** of Shiv & Attorneys, shared his expertise on effective intellectual property (IP) strategies, the fundamentals and types of patents, best practices for patent drafting and prosecution, and real-world case studies of successful IP and technology transfer projects.

His presentation also addressed common challenges in IP management and provided actionable solutions. The event left participants well-informed and inspired, underscoring our commitment to fostering innovation and intellectual growth.



The AIC NIPER-Guwahati organized a webinar on **“Free IP Facilitation Support by ICRISAT’s IPFC,”** targeting start-ups, entrepreneurs, students, faculty, and researchers. The primary objective of the webinar was to educate participants about the IP facilitation services available through government schemes, offering them valuable insights and guidance on accessing free IP filing support. The session, held on 27th September 2024, featured **Ms. Sravanti Vedula, Associate Manager – Innovation Management** at ICRISAT, Hyderabad, Telangana, as the guest speaker. A total of 35 participants from diverse backgrounds attended the session. Ms. Vedula’s expertise helped attendees understand the benefits and processes involved in securing intellectual property rights, empowering them to protect and leverage their innovations effectively.

Webinar on
**Free IP Facilitation Support
by ICRISAT’s IPFC**

Don't miss the opportunity to get expert guidance on IP facilitation services available through Govt. Schemes.

◆ ◆ ◆

27 September, 2024
11:00 AM – 12:00 PM

FREE REGISTRATION

<https://forms.gle/ZV2DW7gNstL8xsaK6>

GUEST SPEAKER
MS. SRAVANTI VEDULA
Associate Manager,
ICRISAT, Hyderabad

<https://aicniperguwahati.in> aic-niper-guwahati-foundation

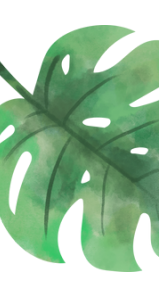
International Plastic Bag Free Day'2024



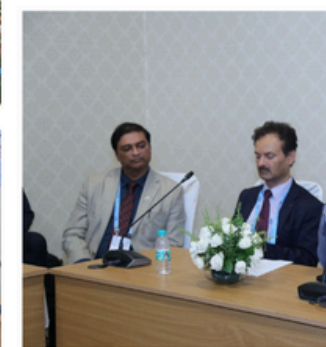
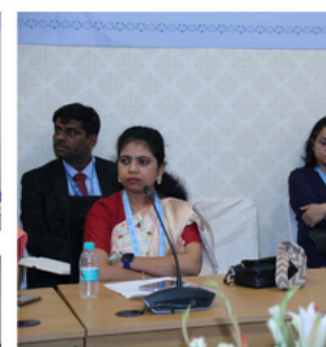
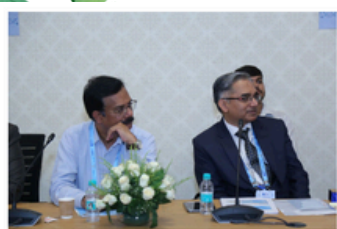
On the occasion of **"International Plastic Bag Free Day"** on 3rd July 2024, the AIC NIPER-Guwahati Foundation, in association with NIPER-Guwahati, organized **a workshop on Solid Waste Management**, starting at 11:00 am at the NIPER Guwahati Campus. During the session, **Mr. Tanu Sonowal** from Feedback Foundation delivered an awareness talk to the participants. His talk primarily focused on various methods of waste segregation and the importance of creating mass mobilization and fostering behavioral change in society to promote a cleaner and greener earth.

In conjunction with this event, the AIC NIPER-Guwahati Foundation hosted **"Ideathon #1.0,"** a competition that brought together students, researchers, and scientists to propose innovative solutions for waste management. The event aimed to encourage ideas that promote sustainability and a plastic bag-free environment, with a focus on effective waste management strategies. Our esteemed judges included **Prof. Ajay Kalamdhad** from IIT Guwahati and **Mr. Tanu Sonowal** from Feedback Foundation. The event concluded with a prize-giving ceremony, where the most promising solutions were recognized and awarded.





Participation @ Global Bio India 2024, New Delhi



Extremely grateful to have represented AIC NIPER-Guwahati Foundation at **Global Bio India 2024**.

The event has truly served as a remarkable platform for strengthening the biotech ecosystem and bringing together entrepreneurs from all corners of the industry. Global Bio India (GBI) acts as a vital hub for the biotech community, fostering innovation, collaboration, and growth. By creating a unified platform, GBI enables entrepreneurs, researchers, and industry leaders to connect, share insights, and explore new opportunities.

We had the privilege of attending the **Registered Technology Transfer Professionals (RTTP) Roundtable** at the Global Bio-India 2024 Event. The discussions were highly insightful and forward-thinking, focusing on value creation and the development of a robust supply chain in Intellectual Property (IP) and Technology Transfer.

A glimpse into Ecosystem Connections & Synergies

Participation in the "**Cardiovascular Research Convergence 2024**" held on 26th - 27th October 2024 at the NIPER Guwahati Campus, organized by NIPER Guwahati in association with AIIMS Delhi & AIIMS Guwahati.



We had an exceptional experience at the **India International Science Festival (IISF) 2024**, held at IIT Guwahati from 30th November to 3rd December 2024. Representing AIC NIPER-Guwahati Foundation as an incubator from NIPER Guwahati, we had the privilege of engaging with a diverse group of experts, scientists, and researchers from various fields.

A special thanks to the 100+ visitors who visited our stall and learned about the innovative works we are undertaking. The interactions and exchange of knowledge were truly inspiring and have provided us with valuable insights to further enhance our projects. Here's to fostering innovation and collaboration for a brighter future.

A Sneak Peek into the Ecosystem Connections



Participation in the two-day Peer Learning Workshop on "**Building Innovation & Startup Ecosystem for North-East,**" held on 12-13th November 2024 in Gangtok, Sikkim. This workshop, the second in its series, provided a valuable platform for fostering innovation and entrepreneurship across the Northeast.

We are enthusiastic about the future of innovation and entrepreneurship in the Northeast and look forward to ongoing collaboration and growth.



Snapshots of Ecosystem Connections Driving Innovation and Growth



A visit to **ASSAM Startup-The Nest**



Technology Transfer & Intellectual Property Symposium 2024

Dr. Suman Kumar Nandy, CEO, and Ms. Alva Margareth Kharkongor, Program Manager of B3I Facility visited AIC NIPER-Guwahati Foundation



Participation at the **Technology Transfer & Intellectual Property Symposium 2024**. Dr. Bindu Byreddi, PhD, CEO of AIC NIPER-Guwahati Foundation, joined as one of the panelists at the "**Technology Transfer & Intellectual Property Symposium 2024**". This insightful panel discussion on "**Funding Mechanisms in Fostering Innovation**" was held at the National Law University, Meghalaya, Shillong on 15th-16th November 2024.

MEET OUR MENTORS



Dr. P. G. Rao



Prof. Dr. N. C. Talukdar



Shri Srinivas Lanka



Prof. Dr. Subhash Khanna



Sri Ravindra Ghooi



Prof. Ajay S. Kalamdhad



Dr. Surya Mani Tripathi



Dr. Sriparna Bhuyan Baruah



Mr. Abhijeet Hazarika



Dr. Sunandan Baruah



Prof. Dr. H. Purushotham



Dr. Probodh Borah



Dr. Pawan Sharma



Mr. Subhas Bhattacharjee



Dr. Rajkumar Halder



Dr. Gajanan Bhogle



Dr. Meena Khwairakpam



Dr. Bhargab Jyoti Sahariah



Sri Dilip Kumar Chekuri

Startups associated with AIC NIPER-Guwahati Foundation



Company:
The Yuni Foods LLP

Project Title:

SnAQIT Momos- An innovative Savory Maida-free Momo

The preparation of Maida-free frozen momos utilizes healthier ingredients, such as millet and multi-grains, as alternative to traditional momos. This initiative aims to cater to health-conscious, yet taste-driven consumers, providing them with convenient, nutritious, and delicious snack options. As one of the most popular snack choices, these momos offer a wholesome alternative without comprising on flavor.



Founder:
Ms. Ayushmita Kar



Founder:
Dr. Subhalakshmi Ghosh
Company:
Alona Life sciences Pvt. Ltd.

Project Title:
Sell the Scale

This startup is primarily focused on the Health and Personal Wellness sectors, developing an innovative fish-scale-derived collagen-peptide dietary supplement. The product aims to address environmental pollution by providing an effective waste management solution for fish scales, while simultaneously offering significant commercial value. Its potential impact extends beyond environmental benefits, positively influencing the socio-economic sector as well.

Achievements:

- **Secure 2nd Runner-up position at TiE Global Women Entrepreneur Pitch Competition for the Eastern Zone, Kolkata Chapter, amongst 1000+ applications.**





Founder:
Ms. Barsha Saikia

Project Title:

Transforming Dairy Byproducts into an Effective Whey-Based Herbal Premix

This project addresses a significant challenge by developing an innovative technology that transforms wasted whey into a functional, health-enhancing beverage. The drink is enriched with medicinal herbs from Northeast India and probiotic Lactic Acid Bacteria, offering a natural and healthy alternative to conventional soft drinks.

Achievements:

- *Receive BIRAC SIIP SPARSH Fellowship*
- *Receive funds in MSME HACKATHON 3.0 (Women)*

Company:
Ayurquench (OPC) Pvt. Ltd.



Founder:
Mr. Krishnarjun Das

Company:
Trifac Agro Pvt. Ltd.

Project Title:

Empowering Communities Through Low GI Rice and its Products

The story of Mairong Low GI Rice began with a profound appreciation for tradition and a dedication to fostering a healthier future. Rooted in the heart of tribal communities, the brand uncovered time-honored farming practices passed down through generations. This inspired the creation of Mairong – a brand committed to honoring these traditional methods while meeting the contemporary demand for healthier food choices. The decision to focus on Low Glycemic Index (GI) rice was driven by its proven ability to support blood sugar management and enhance overall well-being.





Company:

Grdt. Farmers Agrovat Pvt. Ltd.

Project Title:

Low-cost Azolla-based poultry feed pellet (Antibiotics free)

The venture is dedicated to promoting antibiotic-free poultry farming by establishing small-scale layer farms, engaging local farmers, and fostering sustainable practices. With the goal of transforming poultry farming, Graduate Farmer offers innovative feed solutions, including Black Soldier Fly (BSF) larvae and azolla-based feed, while prioritizing holistic animal health and welfare.

The startup has empowered farmers by providing training and resources to help them adopt ethical and profitable farming practices.

Achievements:

- **Receive Bharat Entrepreneur Award by Entrepreneur Association of India.**

Founder:

Mr. Bapan Das



Founder:

Ms. Monalisha Sengupta

Company:

Simhi Foods and Beverages

Project Title:

Fizz Iced Tea with Herbal Formulation

An ayurvedically formulated herbal-infused iced tea, MOAV, has been developed without the use of any artificial sweeteners, making it a calorie-free beverage. Regular consumption of this iced tea offers numerous health benefits, as it is free from artificial sweeteners, ensuring it remains a healthy, calorie-free option.





Company:
Clean Green Biosystems

Project Title:

The Hydrodynamic Extraction of Gallate Catechins

The bioavailability of green tea extracts typically ranges from 10-35%. The current process is designed to produce highly bioavailable gallate catechins, resulting in a full-spectrum extract. Hydyne is an innovative hydrodynamic extraction system that utilizes whole fresh plant materials to preserve the full range of unique phytochemicals and phytonutrient compounds.

Achievements:

- **Featured in Business Connect Magazine, one of India's leading business magazines.**

Founder:
Dr. S. Prem Mathi Maran



**MAA KAMAKHYA
PHYTOCHEMICALS
Laboratories Private Limited**

Founder:
Dr. Pramod Kumar

Company:
**Maa Kamakhya Phytochemicals
Laboratories Pvt. Ltd.**

Project Title:

Ready-to-use Golden Milk Powder production

Golden milk is a recipe that adds turmeric to milk using other herbs. The turmeric-based milk product market is estimated at approximately 146 USD million and is reported to increase by 4.04% CAGR by 2027. It is called golden milk due to its golden color when mixed with milk.

It helps to treat common colds and coughs, immunity booster joint pain, etc.

Turmeric acts as an antioxidant and anti-inflammatory agent.



fssai Approved

Company:
Yug Organic



Founder:
Mr. Yuga Prabha

Project Title:

Stevia Tea (Stevia with Assam tea leaves in a tea bag)

Mijikavik Stevia Tea offers a healthy alternative to sugar in tea. By combining premium Assam CTC tea with dried Stevia leaves in convenient tea bags, it provides tea enthusiasts with a naturally sweetened, guilt-free cup, enriched with the authentic flavors of Assam.



ANVAYA



Founder:
Dr. Sudarshana B. Khanikar

Company:
ANVAYA

Project Title:

Formulation of a chewable dentifrice
First of its kind chewable dentifrice from North-East India. An alternative to toothpaste and travel friendly.



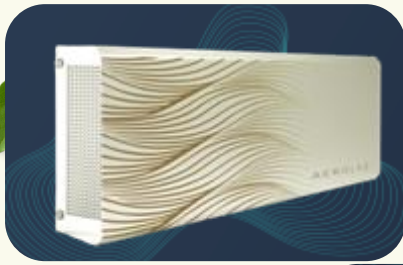
Founder:
Dr. Krishna Prasad
Company:
PlebC Innovations Pvt. Ltd.

Project Title:

TORUS – Tele Operated Robotic
Ultrasound System

A secure technology that enables radiologists to perform ultrasound without even being present onsite and retaining the present habit & feel of it.





Company:
Panlys Nanotech India

Project Title:

Nanoblitz - Sustained surface disinfectant for Hospital ICU

It utilizes photocatalytic nanocoating activated by visible light. Key benefits: Reduces the overall cost of infection control in hospital settings. Eliminates all pathogens present today and those that may develop in the future. Safe for patients and environmentally friendly.

Founder:
Mr. Suraj Sanjeev



Motor System



Company:
Subtlebotic Pvt. Ltd.

Project Title:

Limb Assist - Real-Time Assistive Tech

World's first synthetic wearable Neurotech Robots. They offers an external wearable Neural motor system for people who lost their motor function in human body. They are also developing a non-surgical Neural & brain activity interface sensor to control the Limb Assist motor system.

Founder:
Mr. Sivasanthosh A

Sensor



Founder:
Mr. Suman Kumar

Project Title:

Mineral-enriched oral rehydration salt (ORS) infused with Roselle Flavors

This unique ORS formulation maintains electrolyte balance. This ORS is rich in essential minerals like calcium, magnesium, potassium, and iron, offering significantly higher levels than regular table salt.





Founder:

Ms. Amruta Padakanti & Ms. Lasya Priya Katukam

Project Title:

“Nourish & Renew”- The power of herbal skincare gel

Their initiative proposes a solution to the need for herbal skincare gel that is chemical free and made of completely natural components. By harnessing natural resources from the North East region, they are producing a non-greasy formula for skincare with instant absorption.



Company:

NC Organics Pvt. Ltd.

Founder:

Ms. Srishti Sharma

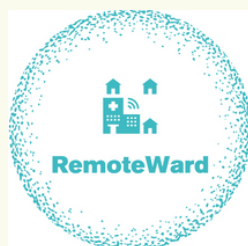
Company:

Shakti Wearables

Project Title:

SHAKTI – India’s first women crime preventive wearable

A light weighted band which on a button press and when comes in physical contact with the attacker electrifies the attacker and sends live location automatically to user’s friends and family.



Founder:

Mr. Kapil Singh Rawat

Company:

RemoteWard Pvt. Ltd.

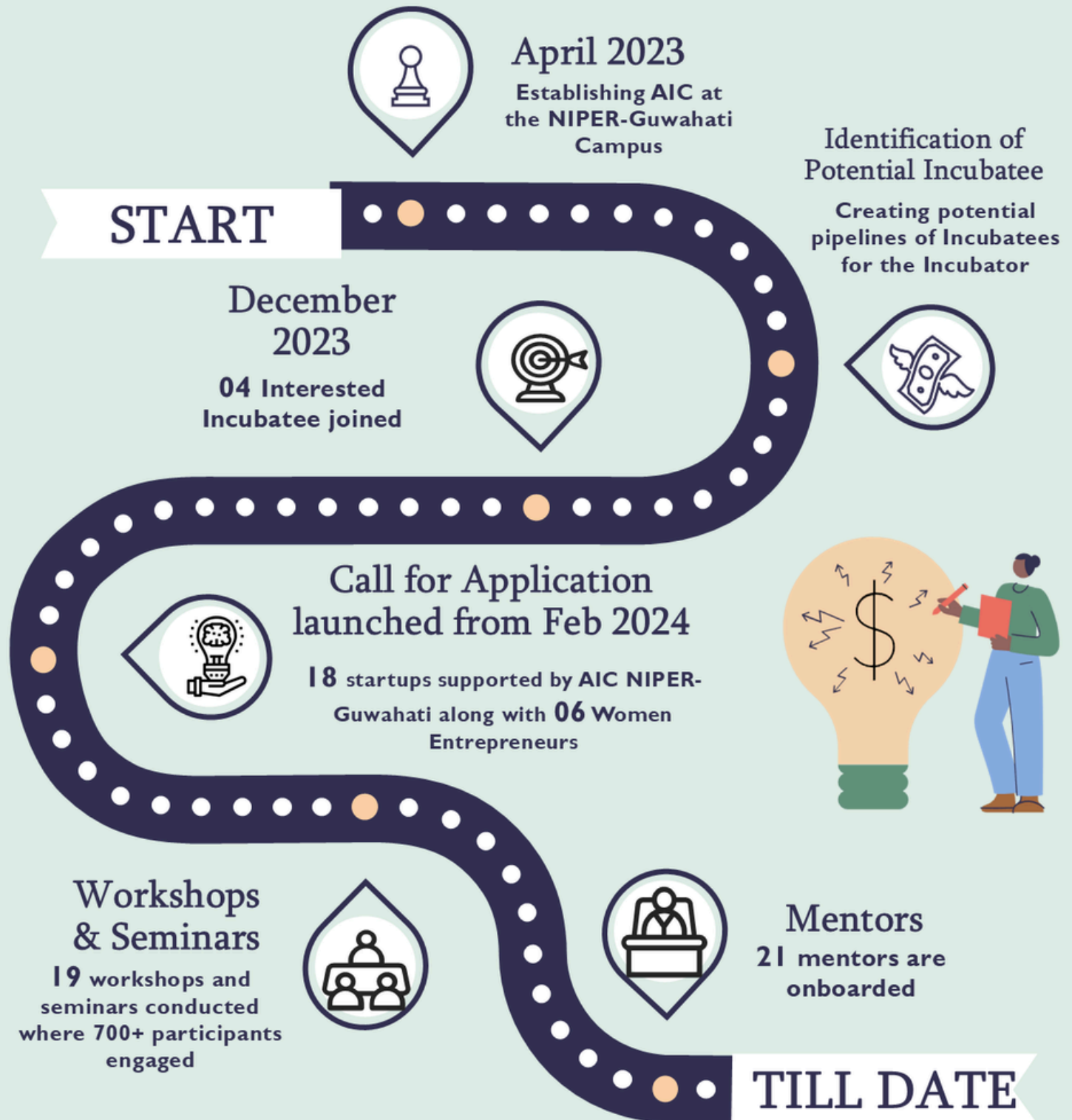
Project Title:

Building Next-Gen Integrated Remote Homecare Platform for aging parents

They are developing an integrated healthcare platform for the elderly ones. It can cater to their healthcare needs at old age such as, medication management and personalized treatment plans.



The Journey of AIC NIPER-Guwahati Foundation



EDITORIAL BOARD

- Concept: Ms. Ramita Basu
- Advisory Team:

Dr. P. Radhakrishnanand, Dr. Sanjay K Banerjee, Dr. Amit Alexander, Dr. Krishna Undela, Dr. B.B.V. Bindu, Dr. Biswadeep Das, Ms. Ramita Basu, Mr. Prabhakar Bhuyan, Mr. Pranab Kalita

- Editors: Dr. Krishna Undela, Dr. B.B.V. Bindu, Dr. Biswadeep Das
- Email: aic@niperguwahati.in



TEAM OF AIC NIPER-G



Reach us at:



www.aicniperguwahati.in



krishna@niperguwahati.in



<https://www.instagram.com/aicniperguwahatifoundation/>



[aic-niper-g](https://www.linkedin.com/company/aic-niper-g)

ATAL INCUBATION CENTRE NIPER-Guwahati Foundation,
Changsari, Kamrup, Assam 781101



aic@niperguwahati.in
ceo@aicniperguwahati.in

incubation.manager@aicniperguwahati.in