



STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR

Volume 3
Edition - 03

March 2024

TECHकी बात

Abhivyakti'24: Innovate, Collaborate, Achieve.

India's Largest Startup Festival

ABHIVYAKTI' 24
IIT KANPUR





Mentor Mantra



Mr. Tarun Bhargava

Strategy, Planning, Financing, Governance, Risk,
Cash Flow Management.

Governance and Ethics

Governance is the cornerstone of a successful company or organization. It involves controlling and managing the entity while making collective decisions and implementing policies.

On the other hand, ethics are the moral principles that guide a person's behaviour. Indian culture and teachings instil these principles in business practices, ensuring that actions and decisions remain above board. However, with growth comes increased stakes and potential conflicts. Therefore, it is crucial to continuously update and revise priorities to maintain integrity and achieve success. Remember, good governance and ethics are essential for a thriving enterprise.

Key points:

- ✓ Every entrepreneur has a unique approach to the business environment, industry norms, and personal experiences.
- ✓ It is essential to adapt and refine ethical priorities to navigate the challenges continually.
- ✓ Businesses must act within the established boundaries and uphold agreements with business partners.
- ✓ An organisation extends beyond its founders, encompassing a network of employees interacting internally and externally.

Contents



New Incubation

New startups with novel and innovative technologies have been incubated at SIIC, IIT Kanpur during March. Read on to learn about the startups.

Refer to the section for more details.

Page No:

01



Monthly Timeline

Take a deeper look into the exhilarating developments within the thriving SIIC-IIT Kanpur ecosystem throughout the month.

Refer to the section for more details.

Page No:

02



Program Highlights

Learn about some outstanding accomplishments in the various program verticals that are currently up and running at SIIC, IIT Kanpur.

Refer to the section for more details.

Page No:

03-04



Success Stories

Know more about the inspiring startups that have elevated our incubation ecosystem with their remarkable accomplishments on a national scale.

Refer to the section for more details.

Page No:

05-06



Innovators se Baat

Discover the unique and advanced technologies that are currently being incubated at SIIC, IIT Kanpur.

Refer to the section for more details.

Page No:

07



Upcoming Grants/Events/ Workshops

Explore upcoming grants, events and workshops scheduled for October at SIIC.

Refer to the section for more details.

Page No:

08



GRIDsentry Pvt. Ltd., founded by Rajesh Rathi, is a company focused on securing electric substations and their communication networks from cyberattacks. This is achieved through a three-pronged approach: deploying cutting-edge defensive deception technology to prevent intrusions, leveraging advanced AI and ML for intrusion detection, and maintaining a team of cybersecurity experts for rapid response.



Flotaa Smart Water Devices, founded by Bhuwan Bhatia and Arun Bhatia, uses AI and IoT technology to create water management solutions. Their devices monitor consumption, prevent leaks, and extend infrastructure lifespan, all while reducing costs and ensuring water quality. This focus on sustainability helps to protect our resources and build a better future.



H2 Power Energy Pvt. Ltd., founded by Ankush Sarkar, this startup is creating pioneering hydrogen conversion technology for vehicles, mitigating CO₂, NO_x, and PM emissions. Their stackable, scalable H₂ electrolyzer design ensures industry-wide adaptability, providing clean energy solutions for fuel cells and diverse applications.



16 Feb 24



Danazir Wealth Management (DWM) Pvt. Ltd. signed a letter of intent with SIIC, FIRST at IIT Kanpur, pledging financial support to startups incubated there. This collaboration, led by distinguished founder David Abikzir and witnessed by Amita Singh (Founder, DWM), Prof. Ankush Sharma (Professor in Charge, SIIC), Dr. Nikhil Agarwal (CEO, SIIC FIRST), and Ankit Saxena (Assistant VP of Investments, SIIC), aims to foster innovation and entrepreneurial success. By providing financial resources, DWM will help create a thriving environment for SIIC FIRST's startups to flourish.



22 March 24



In a bid to boost healthcare innovation, IIT Kanpur's Startup Incubation and Innovation Centre (SIIC) joined forces with Gliders India Limited (GIL), a public sector defence undertaking. Through a signed MoU, GIL will provide financial and strategic backing to MedTech and healthcare-focused startups incubated at SIIC. This collaboration, led by Prof. Ankush Sharma (SIIC) and Mr. V K Tiwari (GIL), aims to harness new technologies to tackle pressing healthcare issues in India.



25 March 24



Kritsnam Technologies, an SIIC IIT Kanpur startup, collaborated with the Telangana State Groundwater Department, Government of Telangana, for groundwater conservation, anticipating significant strides in the water management sector. The focus was on the necessity of proactive measures to manage urban groundwater and combat water crises during summers. This partnership underscores the importance of replicating successful village-level initiatives for sustainable water management, ensuring a positive impact on communities and the environment.



STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR



STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR

Program

highlights



The AIIDE Center of Excellence hosted a roundtable discussion with Ms. Smita Bhagat from HDFC Bank to brainstorm custom banking solutions for startups, aiming to enhance communication among stakeholders and boost business performance.

[Read More](#)



The SIIC-incubated startup, Forensic Cyber Tech, recently unveiled its groundbreaking Cyber Forensic product at Defconnect 2024 in New Delhi. Their innovation attracted the attention of the Defence Minister, Hon'ble Rajnath Singh, highlighting the significant potential of startups to drive innovation.

[Read More](#)



On March 11, 2024, IIT Kanpur launched its new Air Sampling Device, named the "Multiple Slit Nozzle-based High Volume PM2.5 Impactor Assembly," developed by Prof. Tarun Gupta. This device is capable of evaluating air quality parameters such as pollutants, breathability, and ambient conditions. The institute entered into an agreement with Airshed Planning Professionals Pvt. Ltd., a startup, to licence this technology, aiming to replace expensive imported air samplers and impactors. Dignitaries from SIIC and Airshed Planning Professionals Pvt. Ltd. attended the ceremony.

[Read More](#)



Social Innovation Lab by CITI launched its second cohort in collaboration with IIT Kanpur on 7th March 2024, to assist early-stage startups in Agritech and Cleantech. The initiative supported 30 early-stage startups and accelerated 15 growth-stage high-impact startups. Among 900+ applicants, 75 startups received mentoring from CITI’s executive leadership and IIT Kanpur’s industry and academia mentors over 18 months.

SIIC, IIT Kanpur hosted 'Abhivyakti 24', its annual startup festival, on March 15th and 16th. The event featured a grand inaugural ceremony and gathered entrepreneurs, investors, mentors, and officials. SIIC incubated startups showcased their products, highlighting SIIC’s commitment to innovation and entrepreneurship.



[Read More](#)



The MeitY Startup Hub (MSH), in partnership with the Startup Incubation and Innovation Centre (SIIC) at IIT Kanpur, successfully hosted the "Startup-Investor Connect Program" on 15th March 2024. This program convened a dynamic gathering of emerging entrepreneurs and established investors, fostering a day of productive dialogue and insightful exchange.

[Read More](#)



Uneako

a program awardee of the Startup Gateway for Garbage Free Cities (SGGFC), participated in the "Amrit Kaal" Uttar Pradesh Startup & Felicitation Ceremony hosted by Startup in UP on February 21st. They received a grant and support from Startup in UP and had the privilege to indulge in a discussion with Shri Durga Shankar Mishra, Chief Secretary of the UP Government.

[Read More](#)



Life and Limb

won the 'Innovation in Deeptech' category at the 14th Aegis Graham Bell Award on February 21, 2024, supported by MeitY Startup Hub and graced by the presence of the Honourable Minister of Road Transport and Highways, Shri. Nitin Gadkari.

[Read More](#)



NOCCARC

has secured a \$2 million investment from the India Angel Network (IAN). This funding recognizes Noccarc's pioneering work in developing smart ICU equipment specifically designed to improve critical care delivery, marking a significant step forward in raising the standards of critical care.



Krishi Mandi

has been awarded the "Best Startup of Purvanchal Mahotsav" held at KNIT, Sultanpur, Uttar Pradesh. They have been recognised for creating a platform that not only forecasts crop yields and quality but also acts as a bridge between farmers and a diverse range of buyers.

[Read More](#)



Pitch battle (Abhivyakti)

SIIC, IIT Kanpur held a pitch battle during its annual startup festival "Abhivyakti" on March 15, offering a platform for startups to exhibit innovation. The winners were Life and Limb Pvt. Ltd. (1st) for healthcare, Aquafont Infrastructure Pvt. Ltd. (2nd) for sustainability, and Nadi Pulse Prognostics Pvt. Ltd. (3rd) for healthcare diagnostics.



SIL Cohort 2

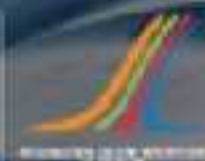
Four startups from The Startup Gateway for Garbage Free Cities Cohort 1 - JalSevak Solutions, Arc Robotics, Uneako, and Jivoule Biofuels - achieved recognition in CITI's competitive Social Innovation Lab Cohort 2. Selected from a pool of 900 applications featuring 75 outstanding startups, Arc Robotics and JalSevak Solutions secured funding of 25 lakh rupees each. Jivoule and Uneako were awarded 12.5 lakh rupees each for their participation in the early-stage program.



BHS Robotics

deployed their Intelligent Multipurpose Disinfection Robots at King George's Medical University, Lucknow, and Sarojini Naidu Medical College, Agra, on March 13th and 17th, 2024, respectively. Supported by Green Gas Limited's CSR initiatives in healthcare, the deployment was graced by Shri Narendra Bhooshan, Principal Secretary, Science & Technology, UP Government alongside Prof. Soniya Nityanand, Vice Chancellor, KGMU in Lucknow; and by Dr. Prashant Gupta, Principal, S.N. Medical College and Prof. Ankush Sharma, Professor in Charge, SIIC in Agra.

[Read More](#)



STARTUP
INCUBATION AND
CENTRE
(SIC)

DREAM

TECHकी बात

INNOVATOR KE SATH

Innovators

Se Baat



[Click Here To
Watch Full Video](#)

Dream Aerospace

Pioneering sustainable propulsion systems, Dream Aerospace is at the forefront of aerospace innovation. This dynamic startup was founded in 2022 to revolutionize the industry with a comprehensive solution for missions ranging from nimble CubeSats to awe-inspiring rockets. We spoke with Hari Krishnan, Co-founder and CEO of Dream Aerospace, and discussed his commitment to sustainable space exploration and how he ensures pushing the boundaries of knowledge while safeguarding our planet.

SIIC: What are your specializations?

Hari Krishnan (HK): We engineer next-generation propulsion systems that push the boundaries of reliability, performance, and efficiency. Our expertise spans the entire spectrum of space exploration, allowing us to tailor cutting-edge thrusters, green propulsion solutions, and rocket engines to exceed your specific mission requirements.

SIIC: How does your product contribute to protecting our planet?

HK: Our HAN-based green propellants offer distinct advantages over traditional chemical propellants for spacecraft. They have a low crystallization point, staying liquid at colder temperatures for easier storage and handling. With higher density and volumetric impulse, they enhance spacecraft efficiency and carrying capacity. Importantly, they're low-toxicity, posing minimal environmental risk and reducing infrastructure costs associated with hazardous materials. This makes them a compelling alternative for the future of space exploration.

SIIC: How does your product meet the safety requirements?

HK: Our propulsion solutions are the product of rigorous research, cutting-edge technology, and an unwavering commitment to innovation. Our team of skilled engineers collaborates closely with clients to ensure every product leaving our facility surpasses our exacting specifications and standards. This collaborative approach fosters a seamless experience, from concept to launch, propelling us all towards new heights in space exploration.

SIIC: What help did you receive from SIIC?

HK: Initially, freelancing rocket-making classes provided funding. We received vital support from SIIC, fostering innovation and entrepreneurship. SIIC recognized our project's potential, providing resources. The Ministry of Science and Technology guided us strategically. Grants from Nidhi Prayas, TANSEED, and CITI propelled us to new heights with groundbreaking prototypes.

“Unwavering dedication and commitment are necessary to propel the dream beyond Earth”
.....**Hari Krishnan**



STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR

Volume - 03 | Edition - 03 | March 2024

UPCOMING

GRANTS/EVENTS/ WORKSHOPS

April 15th 2024

**Developing Winning Products: The Power
of Market Research & Customer Insights**



STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR



DEVELOPING WINNING PRODUCTS

THE POWER OF MARKET RESEARCH & CUSTOMER INSIGHTS



MR ANKIT SAXENA
AVP, INVESTMENT & BUSINESS PROMOTION
SIIC, IIT KANPUR

SPEAKER



12:00 PM
MONDAY 15 APRIL



SCAN TO JOIN

 siicincubator.com



www.siicincubator.com

ECO-SYSTEM ENABLERS

CSR



KNOWLEDGE



INDUSTRY



SERVICE



FUNDING & MONITORING



AI ENABLEMENT



INTERNATIONAL



CLINICAL

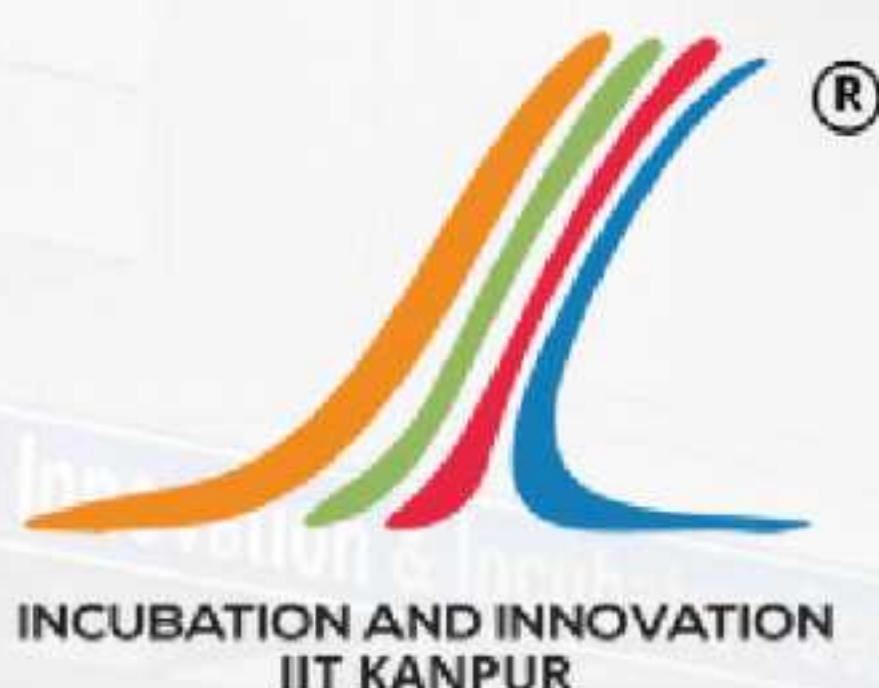


March 2024

TECHकी बात



IIT KANPUR



**STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR**



www.siicincubator.com



SIDBI Building, Sixth Avenue
IIT Kanpur Kalyanpur, Kanpur Uttar
Pradesh 208016

Innovation Hub, IIT Kanpur Outreach
Center, Block C, Sector 62,
Noida