



STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR

Volume 3

Edition - 05

MAY 2024

TECHकी बात

World Asthma Day: Every Breath Counts

Mentor Mantra



Mr. Tarun Bhargava

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

Building an Organisation

Company, business, and organisation are interconnected terms, but with distinct nuances. A company is a legal framework established under the Companies Act 2013, acting as a vessel for conducting business activities. The business itself refers to the commercial operations undertaken by the company. Finally, the organisation encompasses everything that makes the business function, including personnel, resources, and structures. In essence, the company provides the legal foundation, the business defines the commercial activity, and the organisation brings everything together to make it happen.

Key points:



Build the foundation: A strong organisational culture with a clear purpose and goals is essential to unite your team.



Structure the team: Group people by function (e.g., finance, marketing) and define roles, responsibilities, and reporting lines.



Establish clear processes: Define policies and procedures to guide behavior, ensure coordinated effort, and manage stakeholders.



Empower your people: Provide the necessary with the resources they need to succeed and invest in their development.



Track performance: Set clear goals for individuals and teams, and implement systems to measure progress towards achieving them.

While resources can be acquired, a successful organization thrives on adaptability and evolution. It needs a clear purpose, a goal-aligned culture, and leadership that fosters innovation. As the business grows, the organization must adapt and empower its people to face a changing environment. This adaptability is key to survival, growth, and positive societal impact. Strong leadership is crucial, especially for startups with multiple founders, where a unified vision is essential for navigating challenges and achieving full potential.



New Incubation

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

Refer to the section for more details.

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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.

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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.

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05



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.

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Upcoming Grants/Events/ Workshops

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

Refer to the section for more details.

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New Incubation



Cyber Chakra Technology Private Limited, founded by Abhishek Waghmare and Shubham Pandey, specializes in crafting cutting-edge software solutions and cyber security tools. Their expertise positions them at the forefront of cyber forensics innovation, with leading-edge tools like "Vortex" at their disposal.



Sarvshixiit Private Limited, founded by Amey Karkare and Anshi Pandey, helps bridge the gap between skill development and educational outcomes. They achieve this by using toy-based, hands-on pedagogy for students in grades 6 through 12. The company's founders are also interested in offering licensing opportunities for their intellectual property.



Hythane Technologies Private Limited, led by Pushkar Prabhakar Deo and Aparna Pushkar Deo, specializes in manufacturing high-accuracy gas sensors for industrial safety applications.



CyberUltron Consulting Private Limited, founded by Suman Goyal and Mukesh Goyal, offers advanced cybersecurity solutions. Their flagship product, APISecurityEngine, safeguards digital assets against unauthorized access, breaches, and attacks, ensuring data integrity and secure operations.

New Incubation



Vettedcode

Vettedcode Technologies India Private Limited, led by Himanshu Gautam and Abhishek Singh, secures blockchain infrastructures. Their advanced solutions shield against evolving threats, guaranteeing safe and reliable digital transactions.



Engaiz GRC Solutions Private Limited, Founded by Rangarajan Narayanan and Anil Kumar Gutta, specializes in digital risk management. The company offers advanced solutions to help organizations manage and mitigate digital risks effectively, ensuring robust protection and compliance in an increasingly digital world.



Innovative Grid Services Private Limited, initiated by Prof. Ankush Sharma and Prof. Saikat Chakrabarti, specializes in the commercialization of power equipment. The company delivers cutting-edge solutions to optimize power infrastructure, enhancing efficiency and reliability for commercial applications.

Program

highlights



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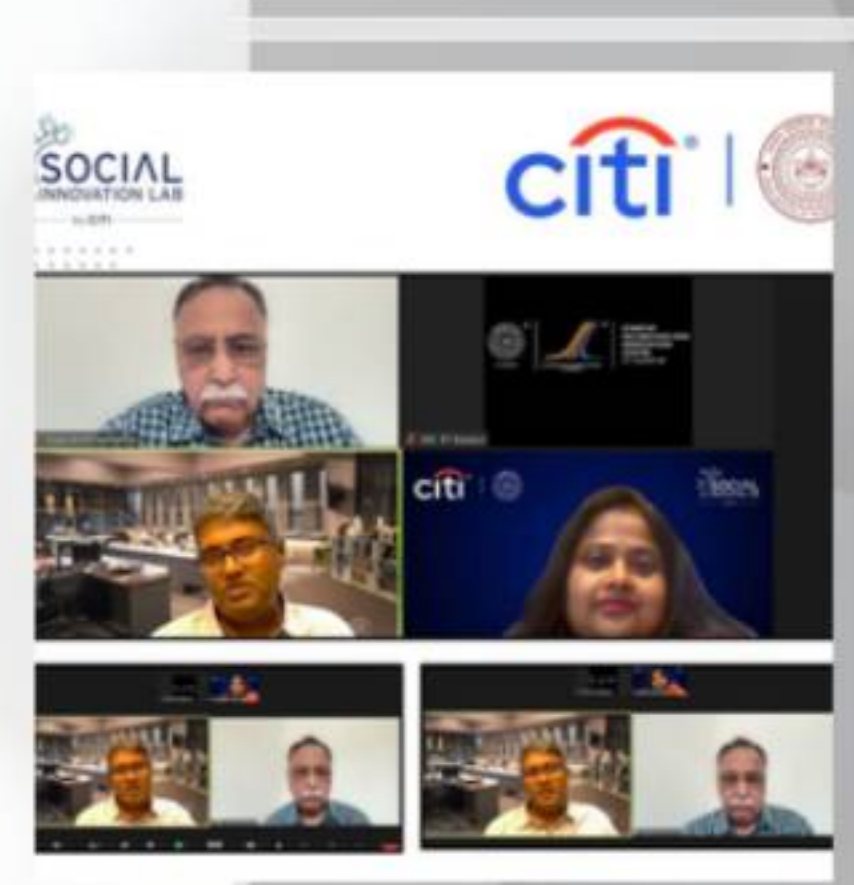
SIIC, IIT Kanpur, hosted a webinar on April 23rd to introduce the 24th Call for the Biotechnology Ignition Grant to fund early-stage ventures in MedTech, BioTech, and HealthTech. Dr. Anukriti Singh from SIIC, IIT Kanpur provided details on eligibility, application process, and success stories, making the webinar a valuable resource for researchers and entrepreneurs seeking funding.

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The Social Innovation Lab by CITI, in collaboration with SIIC, IIT Kanpur, hosted a fireside chat on April 25th with Mr. Girichandra Kuchangi, partner at 1 Crowd. With 17 years of experience in investment banking, software engineering, and leading tech startups, Mr. Kuchangi shared insights on investment planning strategies for scaling businesses. The session was moderated by Mr. Vijay Krishnamurthy, a mentor at SIIC specializing in fundraising and strategic operations for startups.

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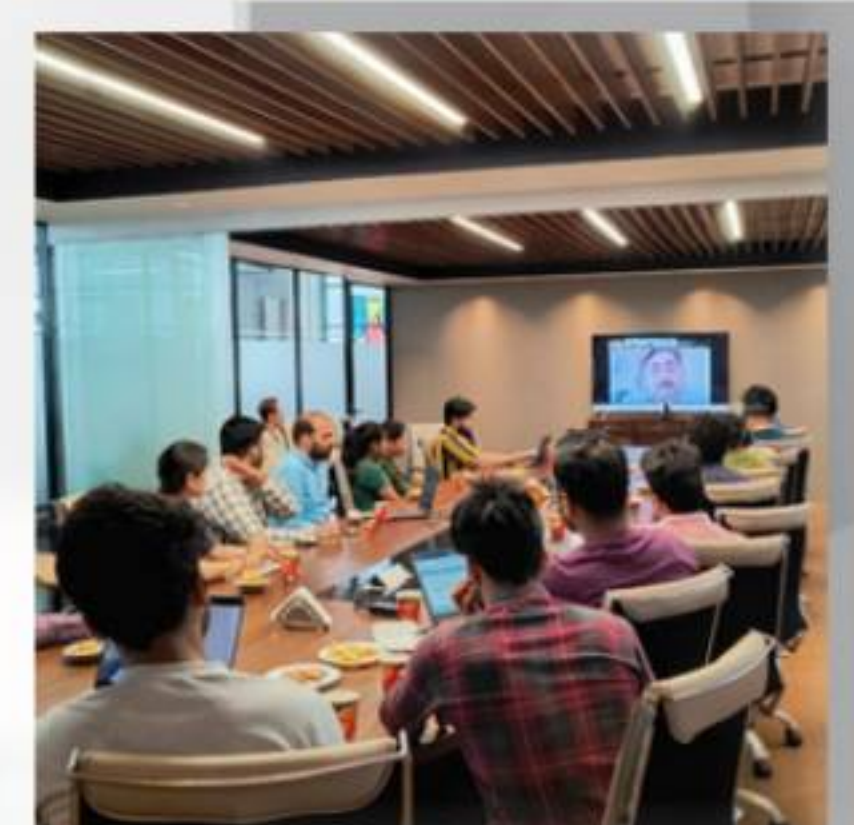
On April 29th, a Design Thinking workshop provided emerging MedTech innovators from the SIB SHInE and HII programs with valuable insights from Dr. Avijit Bansal of Windmill Health Technologies. The hands-on learning experience ignited their creative problem-solving skills, empowering them to revolutionize healthcare.

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SIIC hosted an insightful webinar titled "Essentials of Grant Writing for Biotechnology Ignition Grant" on 2nd May with over 200 attendees. Prof. Amitabha Bandyopadhyay, Co-PIC at SIIC and Head of the BSBE Department at IIT Kanpur, and Ms Taranjeet Kaur, Manager of the Entrepreneurship Development Cell at BIRAC, Government of India, provided expert guidance on crafting grant proposals and securing funding for biotech innovations.

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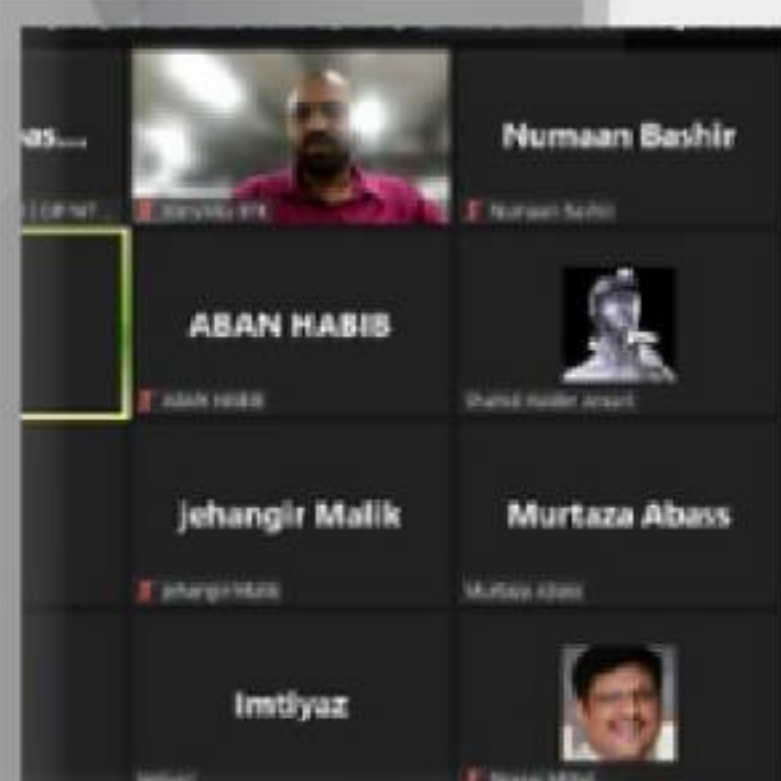
Dr. Ashish Dubey from the Defence Materials & Stores Research & Development Establishment (DMRDE), DRDO, visited SIIC on May 3rd and engaged with founders of startups such as RF Nanocomposites Pvt. Ltd., SkyAI Technologies, DREAM AEROSPACE, and Aethrone Aerospace. This interaction, focusing on aerospace, UAVs, and advanced materials, proved exceptionally fruitful, fostering valuable guidance and idea exchange between the startups and DRDO.

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The inaugural Bio-Connect Series session on May 9th successfully brought together young MedTech entrepreneurs and industry experts. Dr. Pankaj Chhatrala, a former Biodesign fellow turned entrepreneur, shared valuable insights and his entrepreneurial experiences, making the session both engaging and informative.

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On May 13th, SIIC hosted a webinar titled "Pathway to Commercialization: Empowering BIG Grant Awardees," featuring insights from Dr. Prujal Parekh, Dr. Dhanabal Kumarasamy, and Dr. Barkat Hussain. Moderated by Ms. Shreya Sanghvi Malik, Assistant Vice President at SIIC, IIT-Kanpur, the session included expert experiences and an interactive Q&A.

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SIIC, IIT Kanpur, in collaboration with Greenovator Incubation Foundation and NIT Srinagar, hosted an enlightening session on the Biotechnology Ignition Grant (BIG) '24 on May 14th. Dr. Arijit Bhattacharjee's insightful talk stimulated entrepreneurial interest among participants, while Shahid Abbas Mir, CEO of iTBI, expertly moderated the session. SIIC IIT Kanpur looks forward to future collaborations with iTBI-GIF and NIT Srinagar.

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BBBS Cyber Security

hosted Lt. Gen. Upendra Dwivedi, Vice Chief of Army Staff, Lt. Gen. Karanbir Singh Brar, General Officer Commanding (GOC), Dakshin Bharat Area, and Major General C. S. Mann, Additional Director General, Army Design Bureau (ADB) at their Chennai office. The meeting featured significant discussions on the importance of cybersecurity and innovation in the contemporary digital world, with special appreciation for the valuable support extended by IIT Kanpur for upcoming ventures.

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Treacle Technologies

a cybersecurity startup incubated by SIIC, secured Rs 4 crore in pre-seed funding led by Inflection Point Ventures. Their AI-powered deception technology offers advanced protection and early threat warnings, keeping businesses ahead of cyberattacks.

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Fruvtech Private Limited

an agri-based start-up incubated by SIIC, focuses on developing innovative, cost-effective storage technologies for fruits and vegetables. Recently featured on DD Kisan in collaboration with Prasar Bharati, Fruvtech is dedicated to enhancing agricultural efficiency and reducing post-harvest losses.

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Medantrik Medtech

organised a health camp on World Asthma Day (7th May) this year, offering free health checkups to IIT Kanpur campus residents. In collaboration with GSVM and Kcare Hospital, the camp aimed to promote awareness and knowledge about lung health in India. This significant healthcare initiative provided a wide range of vital medical services, such as lung function tests, chest consultations, and physiotherapy consultations. This commendable effort of Medantrik Medtech upholds their unwavering commitment to deliver accessible healthcare solutions.

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TECHकी बात

INNOVATOR KE SATH

Innovators

Se Baat

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Watch Full Video](#)

Medantrik Medtech

Medantrik Medtech Private Limited, a healthcare startup nurtured by SIIC, is actively transforming the Indian lungcare landscape by developing innovative medical devices. The company prioritizes the creation of affordable equipment and services, with its initial offerings focused on novel oxygen analyzers. Priya Ranjan, representing Medantrik, recently engaged in a discussion with Rishabh Pandey from SIIC, where they delved into the unique features and benefits of their latest product, Nodex.

SIIC: What inspired the creation of Medantrik Medtech?

Priyaranjan Tiwari (PT): Medantrik Medtech, born from the "Oxygen Man" WhatsApp community during the COVID crisis, officially registered in June 2022. We focus on affordable lungcare solutions, developing a versatile circuit board priced at Rs. 1,500, adaptable for oxygen concentrators and oxygen plants, and an indigenous oxygen purity analyzer priced at only Rs. 8,000, replacing expensive imports.

SIIC: What inspired the lung health monitor and why is tracking lung health important?

PT: Air pollution's impact on lung health, especially in developing countries, motivated us to create a home-based lung health monitoring device, similar to how people monitor blood pressure or oxygen levels. With its high levels of particulate matter and chemicals, traffic-related air pollution significantly harms health and can even lead to lung cancer. Since 90% of Indians rely on public transport, exposure is inevitable, potentially reducing life expectancy. Hence, we developed a user-friendly device for at-home lung health assessment.

SIIC: How do you use Nodex?

PT: Nodex is a user-friendly, AI-powered lung health monitor. Nodex usage is quite simple. Everyone has an ideal lung condition based on factors like age, weight, and height, alongside their current lung health status. To assess your current lung condition, simply exhale into the device, and it analyzes your vital signs to assess your lung condition. It even includes attachments for both regular testing and monitoring lung health during exercise.

SIIC: What is your marketing plan for Nodex in India?

PT: Nodex is set to launch in September 2024. To promote it in India, we are organizing health check-up camps to raise awareness about lung health. For example, at a recent camp for Kanpur traffic police, Nodex data helped doctors prescribe medication and lung exercises. Once people understand the importance of monitoring their lung health regularly, they will find Nodex invaluable. We have also received numerous pre-bookings for Nodex from these camps and aim to meet the demand successfully.

*"The right incubator can turn your
innovative ideas into reality."*

..... Priyaranjan Tiwari



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Upcoming

Grants/Events/ Workshops

June 10th 2024

Biotechnology Ignition Grant (BIG)
application

June 20th 2024

Call for Applications for UDAAN

The poster for the Biotechnology Ignition Grant (BIG) 24. It features a purple background with a DNA helix and a hand holding a glowing sphere. The text includes: 'DEADLINE EXTENDED', 'Application closes on June 10th, 5:30 PM', 'BIOTECHNOLOGY IGNITION GRANT Call 24', 'FUNDING GRANT of upto INR 50 Lakhs for 18 Months', and a large 'Apply Now!' button. Logos for Birac, BIG-24, and the Startup Incubation and Innovation Centre IIT Kanpur are at the top. Contact information and a link to generate an LOI are at the bottom.

Click Here to Apply

The poster for the UDAAN (UAV/UA/Drone Acceleration and Networking Program) call for applications. It features a dark blue background with a glowing drone. The text includes: 'Call for Applications', 'UDAAN', 'UAV/UA/DRONE ACCELERATION AND NETWORKING PROGRAM', 'Funding Support upto INR 10 Lakhs under UDAAN Program', 'Registrations are open from 1ST JUNE TO 20TH JUNE', and a large 'Apply Now!' button. A QR code labeled 'SCAN TO APPLY' is also present. Logos for IIT Kanpur, the Startup Incubation and Innovation Centre, the Drone Federation of India, and other partners are at the top and bottom.

Click Here to Apply



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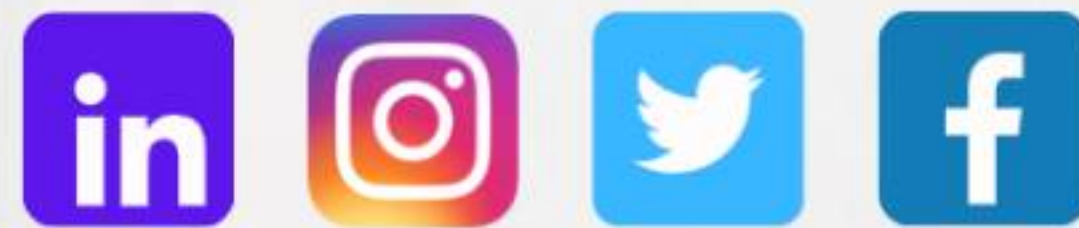
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