



STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR

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July 2024

TECHकी बात

SIIC at ASEAN ScaleHub 2024: Innovate, Aspire, Empower



www.siicincubator.com

Mentor

Mantra



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Advisor, EY

Opportunities for Food Tech Start-ups in Budget 2024-25

The Union Budget 2024-25 has unveiled a series of initiatives that position India as a fertile ground for food technology start-ups. By focusing on food processing, infrastructure, and technology, the government aims to boost the sector and contribute to a self-reliant India.

The establishment of food irradiation units and large-scale vegetable clusters are key steps towards improving food safety, reducing waste, and streamlining supply chains. These initiatives offer immense potential for start-ups to develop innovative solutions.

Key points:

- ✓ Building digital platforms to connect farmers, FPOs, cooperatives, and retailers can optimize the supply chain, reduce wastage, and ensure fair pricing.
- ✓ Utilizing Digital Public Infrastructure in agriculture can enhance traceability, improve post-harvest management, and facilitate data-driven decision-making.
- ✓ The development of industrial parks will attract investments and create a conducive environment for start-ups to focus on research, development, and production.
- ✓ Developing financial technology solutions can simplify access to credit for small and medium food processing enterprises, fostering growth and job creation.
- ✓ Investing in eco-friendly packaging materials can enhance the sustainability profile of food products and contribute to a circular economy.

By capitalizing on these opportunities, food tech start-ups can play a pivotal role in modernizing the food processing industry, ensuring food security, and creating a sustainable food system. The Budget 2024-25 has laid the foundation for a thriving food tech ecosystem in India.

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

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New Incubation

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iLearnovate Tek, founded by Raj Agnihotri and Aparna Tiwari, revolutionizes self and community learning with cutting-edge technology. Their flagship product, i-Labs, virtualizes STEM labs, providing unprecedented access to lab resources and unlocking potential in rural areas.



Jeevatva Biosciences Pvt. Ltd., founded by Pawan Kumar, focuses on microbiome-based therapeutics for metabolic reprogramming, insulin resensitization, and reducing inflammation.



Eupheliity, founded by Mr. Anant Vaish and Mohammed Mujtaba M Mulla, empowers specially-abled students up to class 5 with an accessible curriculum using mind maps, podcasts, GIFs, animations, quizzes, and games, featuring speech recognition for the blind.



Technorchard Farming Pvt. Ltd., founded by Dr. Rafiya Mushtaq and Dr. Ab Raouf Malik, develops AI-based technology to simplify orchard operations. Their cost-effective, mechanized solutions aim to boost apple productivity and protect the economic returns of small and marginal farmers.



Indespace Robotics Pvt. Ltd., founded by Dr. Abhishek Verma, addresses medical and biotech challenges through innovative solutions in animal husbandry and medical robotics. The company received a BIG grant to develop a dilation device for dairy cattle suffering from dystocia and operates on the philosophy of solving problems through robotics.



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19 June 24



On World MSME Day, SIIC IIT Kanpur and the Associated Chambers of Commerce and Industry of India (ASSOCHAM) signed an MoU to foster innovation, support MSMEs, and empower the entrepreneurial ecosystem in Uttar Pradesh and beyond. The collaboration was attended by Mrs. Pooja Ahluwalia, Assistant Secretary General of ASSOCHAM, and Professor Ankush Sharma, Prof-in-Charge of SIIC, IIT Kanpur.



24 June 24



SIIC IIT Kanpur and G.B. Pant University of Agriculture and Technology signed an MoU to foster agricultural entrepreneurship. The event was attended by Dr. Ajeet Singh Nain and Dr. Manmohan Singh Chauhan from GBPUAT, Prof. Amitabha Bandyopadhyay from SIIC IIT Kanpur, and Dr. Amita Joshi from BIRAC. This collaboration will provide technical guidance and support to startups, enhancing the regional agricultural ecosystem.



5 July 24



At the India-ASEAN ScaleHub Programme 2024 in Bali, Indonesia, F.I.R.S.T. IIT Kanpur signed an MoU with the ASEAN Economic Forum. The signing was attended by Professor Ankush Sharma, Professor In-charge of SIIC (F.I.R.S.T.), IIT Kanpur, and Mr. Sachin Vijaya Gopalan, Director of the ASEAN Economic Forum. This collaboration aims to enhance access to technology, market opportunities, and business connections for startups in ASEAN countries.



11 July 24



SIIC IIT Kanpur partnered with Boehringer Ingelheim, a global pharmaceutical leader, to support healthcare innovations. This collaboration includes a CSR grant for Manastik, a startup developing India's first tele-neurorehabilitation app for dementia patients and caregivers. In 2023, Boehringer supported Lenek Technologies, another SIIC incubated startup, developing an innovative handheld X-ray device to combat TB.



**STARTUP
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Program

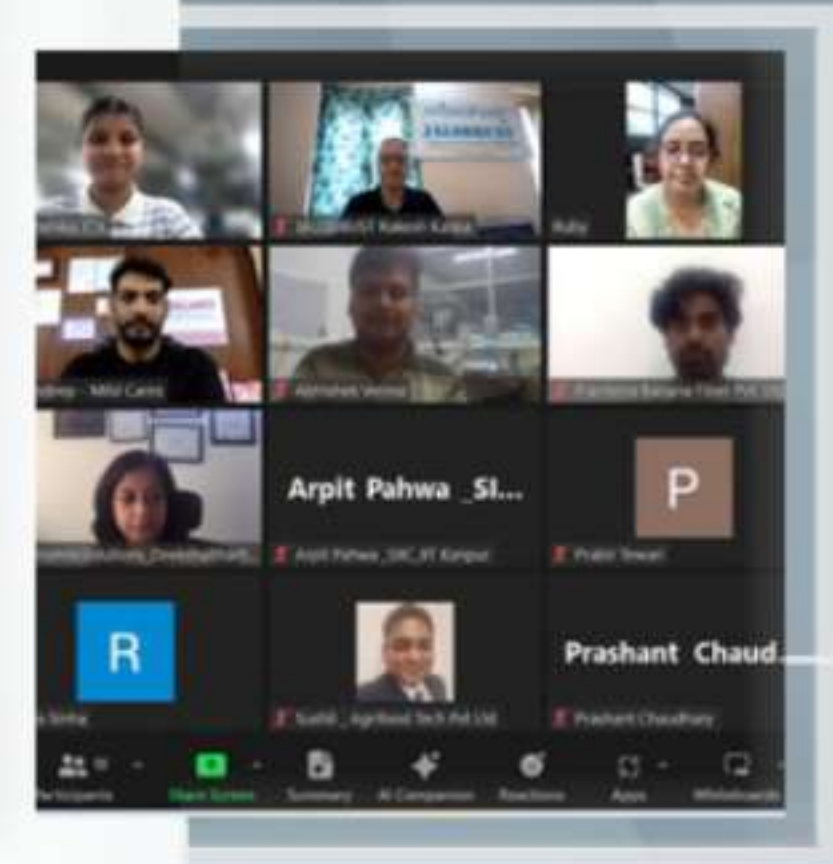
highlights



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On June 21st, SIIC IIT Kanpur hosted a Virtual Mixer for bio-entrepreneurs, bringing together innovators from Agritech and medical devices. The event showcased cutting-edge technologies and explored potential collaborations. Participants engaged in discussions and formed valuable connections within the SIIC bio-startup ecosystem, fostering a vibrant community dedicated to advancing bio-entrepreneurship.

[Read More](#)



On June 24th, SIIC IIT Kanpur and G.B. Pant University of Agriculture and Technology co-hosted the "AgriTech Innovation and Startup Meet" in Pantnagar, Uttarakhand. The event aimed to ignite innovation and entrepreneurship in the agricultural sector. Prominent figures from both institutions attended, providing a platform for startups to showcase their groundbreaking ventures, paving the way for a more sustainable and productive agricultural future.

[Read More](#)



On June 27th, SIIC IIT Kanpur hosted Prof. R. Chandrababu, President of the Executive Council of the Indian Society for Plant Physiology and former Vice Chancellor of Kerala Agricultural University, for a tour of our advanced lab facilities. He engaged in discussions with Prof. Amitabha Bandyopadhyay, Co-Prof.-In-charge at SIIC. Our agricultural startups benefited from his extensive experience and expertise, enhancing their growth and success.

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SIIC IIT Kanpur led India's participation in ASEAN ScaleHub 2024 in Bali. This event, held from July 3-5, aimed to boost economic ties, innovation, and sustainability between India and ASEAN. Forty Indian startups showcased their solutions to investors and industry experts, facilitating collaboration and knowledge sharing. The event was backed by India, ASEAN, and its member states, launching alongside the GATES Enterprise Tech Channel Summit.

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Program

highlights



On July 4th, HDFC Bank and National Securities Depository Limited (NSDL) co-hosted a session at IIT Kanpur's Outreach Center in Noida on "Understanding the Process of Dematerialization from an Issuer's Perspective." The event covered market insights, the corporate account opening process, benefits and procedures, trading account insights, and included a dynamic Q&A session.

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On July 5th, Shri Rahul Singh, IAS, Special Secretary of the Department of IT in the UP Government, visited the AIIDE Centre of Excellence at SIIC, IIT Kanpur. He discussed the challenges faced by startups in the state and aimed to create a more supportive environment for them. During his visit, he interacted with several SIIC-incubated startups, including Manodayam, Scallient Technologies, Agronxt, and Checko.

[Read More](#)



On July 15th, an engaging session titled 'FPO se Baat' brought together startups and Farmer Producer Organizations (FPOs) to discuss key topics including bio-agri product distribution, R&D resources, and sustainable agriculture funding. The startups gained valuable insights into collaboration opportunities, paving the way for a brighter future in the bio-agri sector.

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Success

Stories



Guthhgrams

has won the Agritech Vendor of the Year award at the ASEAN India Scale Hub 2024. This achievement recognizes the dedication of founders Manas Seth and Ayushi Seth in transforming agriculture, marking a significant accomplishment.

[Read More](#)



Agrifood Tech

Agrifood Tech's Rapid Rhizome Technology recently garnered national attention, with a prominent feature in a leading national newspaper. This extensive coverage underscores the significant impact and innovative strides of the technology, aiming to revolutionize agrifood practices and enhance efficiency in the industry.



Paving+

won the Best 60-second pitch for transforming waste into high-quality construction materials. Additionally, this startup also won the Sustainability Vendor Award for their commitment to sustainable practices.



NadiPulse Prognostics

signed an Memorandum of Understanding (MoU) with AIIA, New Delhi under the ICAINE (Incubation Centre for Ayurveda Innovation and Entrepreneurship) for the clinical validation of our Nadi Parikshan equipment, nPulse on 5th of July. This collaboration aims to foster comprehensive cooperation through mutual support, sharing of technologies, and information in the field of Ayurveda.



DG Rakshak

has successfully collected prototype-based data from 21 female subjects at Kriti Scanning Centre, Prayagraj, emphasizing the importance of health awareness. The startup encouraged the patients, especially those from rural areas, to stay vigilant about their health, and seek timely treatment. This proactive approach highlights their commitment to improving breast health awareness and patient care.



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Aerospace & Defence

NITRODYNAMICS

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INNOVATOR KE SATH



Innovators

Se Baat

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Watch Full Video](#)

Nitrodynamics

Nitrodynamics Pvt. Ltd., a trailblazer in the defence and aerospace domain, is making significant strides in developing cutting-edge technologies. Incubated at SIIC, the company is led by Commander Anupam Prasad, a visionary with a focus on enhancing national security. In this exclusive interview, we delve into Nitrodynamics' groundbreaking work on UAVs, jammer systems, signal interception, and electronic support measures.

SIIC: How do your surveillance drones work?

Anupam Prasad (AP): We are developing advanced surveillance drones equipped with high-resolution optical and infrared cameras. These drones are specifically engineered for Electronic Support Measures (ESM) operations, providing a comprehensive tactical overview of the operational environment. Their agility and lightweight design make them ideal for military reconnaissance and intelligence gathering missions. Notably, these drones can detect, analyze, and pinpoint the location of enemy radar systems through their electronic emissions.

SIIC: How are your products better than the rest?

AP: Our warship simulators offer the highest level of safety for naval operations. They prepare the crew for a wide range of maritime challenges, from routine patrols to high-risk scenarios. This advanced technology accurately replicates the complex operations of real warships, providing a secure environment for training. Based on RF technologies, our signal interception and decoding system revolutionize critical intelligence analysis.

SIIC: How do the defence sectors benefit from your technology?

AP: Our technology excels in detecting enemy radar signals, disrupting their functions, and rendering them ineffective. With our state-of-the-art drones and simulators, we offer a safe and cost-effective environment for all three military sectors and general aviation purposes. During aerial threats, our Airborne Anti-Drone Systems are well-equipped to handle any emergencies that pilots may encounter in the skies.

SIIC: What help did you receive from SIIC?

AP: The Startup Incubation and Innovation Centre has been like a parent to us. The Research and Development wing supported us from the very beginning of our incubation. The mentorship, guidance, and funding assisted us in developing our cutting-edge, high-resolution, and versatile solutions for the country.

"Follow your dreams, trust yourself."

..... Commander Anupam Prasad



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Upcoming

Grants/Events/Workshops

August 20th, 2024

Innovators Connect TANDEM 2024

**Innovators Connect
TANDEM 2024** 11 NOV - 22 NOV 2024
India: Hyderabad, Bhubaneswar and
Bengaluru

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- Pharmacy
- Material Sciences
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APPLICATION DETAILS*

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August 25th, 2024

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