



TECHNO PARK
@iitk

IIT KANPUR RESEARCH AND
TECHNOLOGY PARK FOUNDATION

IMPACT REPORT

2025-26

*Transforming Research
into Real-World Impact*



WHERE CURIOUS MINDS CONVERGE
TO INNOVATE



INNOVATE.
SOLVE.



INCUBATE.
GROW.



COLLABORATE.
CONNECT.



IMPACT.
SUSTAIN.

CONTENTS

- 1** Overview
- 2** Technopark at a glance
- 3** Vision & Objectives
- 4** Board of Directors
- 5** The People behind Technopark
- 6** Focus Sectors
- 7** Modes of Engagement
- 8** Infrastructure
- 10** Highlights (2025-26)
- 11** Technopark Area Overview
- 12** Centres of Excellence
- 14** Defence Testing Laboratories
- 15** Our Members
- 16** Success Stories of Residential Members
- 31** ReWoP- Talent & Strategic Collaborations
- 32** Events & Partnerships
- 33** In The News
- 34** People Speak

Enabling Innovation. Driving Impact.

IIT Kanpur Research and Technology Park Foundation (Technopark@iitk), serves as a strategic hub for fostering industry-academia collaboration, enabling companies to leverage IIT Kanpur's research excellence, talent pool, and advanced infrastructure. At Technopark@iitk we believe meaningful innovation emerges when academia, industry, startups, and young talent collaborate with a shared purpose.

Since 2019, the research park has been actively promoting translational research by connecting industry partners with IIT Kanpur's faculty, students, and laboratories to co-develop innovative solutions across critical sectors. Spread across **2.5 lakh sq. ft.**, Technopark@iitk hosts **companies that have set up their satellite R&D offices, Centres of Excellence (CoEs) and Defence Testing Labs**, creating a vibrant ecosystem for collaborative R&D and technology-driven growth. The facility offers a robust ecosystem of professional engagement spaces tailored to support industry partnerships, innovation dialogues, and collaborative growth.

What distinguishes Technopark@iitk is not merely the infrastructure we offer, but the collaborative culture we cultivate: one where researchers, entrepreneurs, corporates, faculty, and students collectively solve real-world challenges with speed, scale, and purpose.

As India advances toward becoming a global innovation powerhouse, Technopark@iitk remains committed to building a future-ready ecosystem that strengthens indigenous R&D, accelerates technology commercialization, and contributes to the nation's vision of **Atmanirbhar Bharat**.

THIS IS MORE THAN
A **RESEARCH PARK**.

THIS IS WHERE IDEAS
EVOLVE INTO **IMPACT**.

THIS IS TECHOPARK@IITK:

A THRIVING ECOSYSTEM OF INNOVATION
AND COLLABORATION!



TECHNOPARK@IITK AT A GLANCE

INNOVATION & R&D INFRASTRUCTURE

2.5 LAKH
SQ. FT.

Technopark@iitk provides a vibrant ecosystem equipped with advanced laboratories, collaborative workspaces, testing infrastructure, incubation facilities, and industry engagement platforms that accelerate technology development and commercialization.

INFRASTRUCTURE & INNOVATION ECOSYSTEM

2.5 LAKH
SQ. FT.

Innovation &
R&D Facility

8

Focus Sectors

RESIDENT COMMUNITY & STRATEGIC CAPABILITIES

53

Total
Members

6

CoEs

2+

Defence
Testing Labs

INDUSTRY ENGAGEMENT & PARTNERSHIPS

130+

Faculty
Interactions

500+

Industry
Connects

160+

Industry
Interactions

TALENT DEVELOPMENT & CAREER OPPORTUNITIES

2000+

Students
Registered
under ReWoP

50+

Internships

60

Full-Time
Placements

VISION



To foster industry-academia collaboration by co-developing cutting-edge technologies and innovations in line with national priorities and knowledge-based wealth creation by leveraging the core competence of **IIT Kanpur**.

OBJECTIVES



Increase & accelerate R&D collaborations between IIT Kanpur and industry.



Strengthen industry-student Engagement.



Identify and promote potential technologies developed at IITK for lab-to-market transition.



Facilitate the creation of specialized labs for industrial needs.



Train and upskill resources through courses and workshops.



Develop an R&D ecosystem for MSMEs.

BOARD OF DIRECTORS



Prof. Manindra Agrawal
Director, IITK



Prof. Braj Bhushan
Deputy Director, IITK



Prof. Tarun Gupta
Dean R&D, IITK



Prof. Deepu Philip
Professor-In-Charge



Shri Lalit Jalan
Chairman,
3Lines Venture



Shri Awanish Awasthi
Advisor, UP CM

THE PEOPLE BEHIND TECHNOPARK@IITK

LEADERSHIP. VISION. IMPACT.



Prof. Deepu Philip
Professor-In-Charge



Dr. Ashutosh Agnihotri
Chief Executive Officer



Mr. Piyush Mishra
Chief Financial Officer



Dr. Piyashee Mallik
General Manager
(Industry Academia Partnerships)



Mr. Prashant Gupta
Manager
(Accounts & Finance)



Mr. Suraj Sharma
Operations Manager



Mr. Anil Kr. Shukla
Senior Lead
(Infra.)

FOCUS SECTORS

Technopark@iitk drives innovation across high-impact sectors to build future-ready solutions for industry, society, and the nation.



Defence & Aerospace



Pharma & Healthcare



Deep Tech



Agriculture



Electronics



Cybersecurity



Chemicals



Quantum Computing



MODES OF ENGAGEMENT



Sponsor Research Projects



Consultancy Projects



Royalty paid to IITK for using IITK IP



Sponsor Ph.D Students



Sponsor M.Tech / M.S. Students



Joint Ph.D. Guidance



Joint M.Tech / M.Sc. Guidance



Joint B.Tech / M.Sc. Guidance



Teaching by Industry Personnel at IITK



IITK Faculty giving lectures to company staff



Continuing Education Expenses by Company to IITK



Part-time Employment for B.Tech / M.Tech / M.S. / Ph.D. students



Full-time Employment for B.Tech / M.Tech / M.S. / Ph.D. students



Joint Project in Collaboration with IITK Faculty



Joint Publication and Patent



Instituting Chair Professor



Educational Infrastructure Endowment



Supporting a Technical Event



130

SEATER AUDITORIUM

₹22,000*



₹12,000



30
SEATER TRAINING ROOMS

STRUCTURE



40 SEATER CONFERENCE ROOM

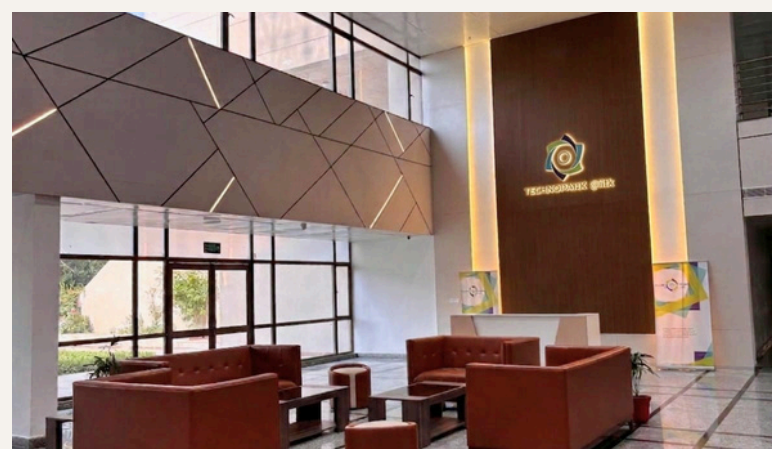
₹12,000



₹1,500

3

Meeting rooms



HIGHLIGHTS

2025-26



The year 2025-26 marked another significant milestone in Technopark's journey, witnessing impactful collaborations with IIT Kanpur, interesting portfolio growth, and the continued success of member companies through **research-driven innovation** and **strategic outreach** initiatives.



Technopark@iitk has also emerged as a key facilitator of **cross-ecosystem partnerships** by enabling its member companies to actively engage with diverse departments and student communities across IIT Kanpur. These collaborations have not only accelerated joint innovation but have also translated into meaningful industry exposure for students through **internships**, **live projects**, and **full-time career opportunities**.



1,05,792.55

sq.ft
of occupied space

28

resident members



6

CoEs



2

Defence
Testing Labs



27

Internships



27

full-time
placements

TECHNOPARK@IITK

AREA OVERVIEW



TOTAL AREA
2.5
 LAKH SQ FT

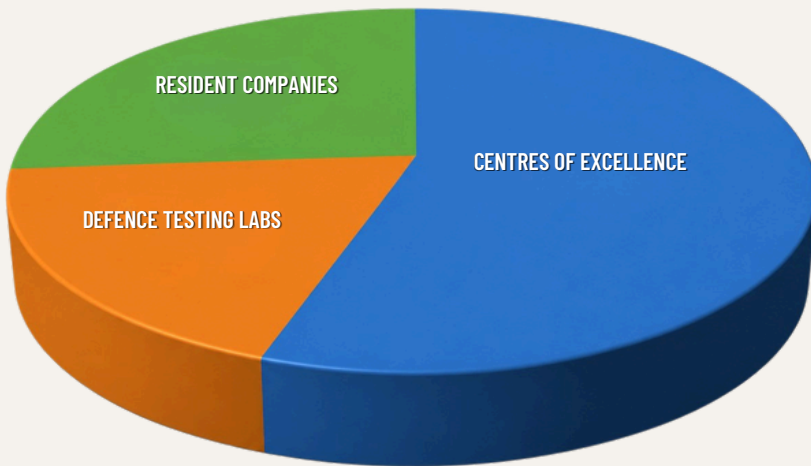


**TOTAL RENTABLE AREA
 IN TECHNOPARK@IITK**
1.5
 LAKH SQ FT



CURRENT OCCUPANCY
1,05,792.55
 SQ FT

OCCUPIED SPACE BREAKDOWN*



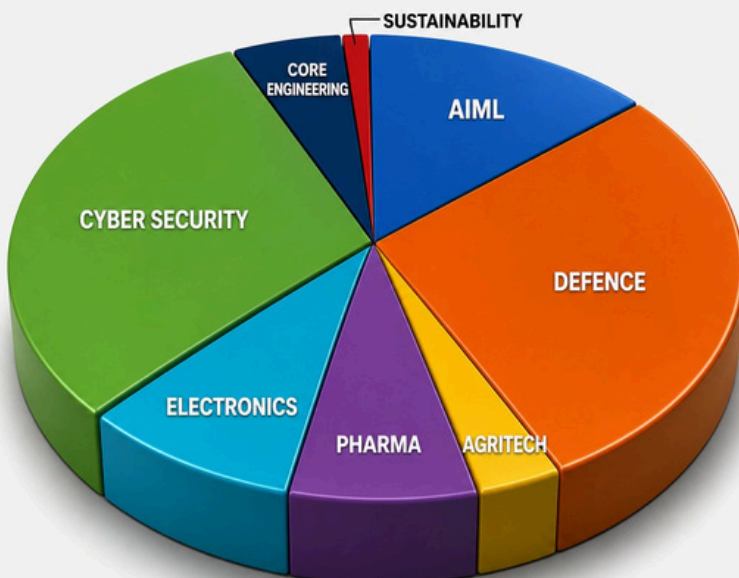
RESIDENT COMPANIES **24,558**
SQ FT

CENTRES OF EXCELLENCE **59,565**
SQ FT

DEFENCE TESTING LABS **21,670**
SQ FT

*as of June 2026

AREA OCCUPIED BY SECTORS **



AIML	14.20%
DEFENCE	34.11%
AGRITECH	1.54%
PHARMA	7.82%
ELECTRONICS	7.82%
CYBER SECURITY	32.31%
CORE ENGINEERING	1.72%
SUSTAINABILITY	0.47%

**TECHNOLOGY AGNOSTIC
 Sectors Aligned to IITK Research
 Focus Areas & Industry Needs

CENTRES OF EXCELLENCE

Driving Research-Led Innovation & Industry Collaboration

Our Centres of Excellence (CoEs) bring together advanced infrastructure, domain expertise and strategic partnerships to accelerate innovation, skill development and real-world impact across critical sectors.

1 Airawat Research Foundation (ARF)

National CoE in AI for Sustainable Cities

India's premier hub for translational research in urban sustainability using the power of Artificial Intelligence.



Urban Sustainability



AI for Impact



Translation Research



Ecosystem Collaboration

Key Initiatives Supported

- IITK Prime Corclave 2026 on Leadership in Research, Translation & National Service at IIT Kanpur

30+ Speakers | 80+ Leaders

- Winter Workshop on Machine Learning & Artificial Intelligence at IIT Kanpur.

2 NMTronics

Centre of Excellence for Electronics Manufacturing & Skills Development

Bridging the gap between academia and industry by promoting new technologies and innovation and skill development in electronics manufacturing.



Specialized Training Programs



Advanced Research at IIT Kanpur



Technical Support to Industry



Electronics Manufacturing Skill Development

State-of-the-art SMT Process Line

Equipped with advanced manufacturing & inspection systems

- Solder Paste Printer
- Solder Paste Inspection (SPI)
- Pick-and-Place Machines
- Reflow Oven
- Automated Optical Inspection (AOI)

3 C3i Hub

Cybersecurity and Cybersecurity of Cyber-physical Systems

- A Technology Innovation Hub supported under the National Mission on Interdisciplinary Cyber-Physical Systems (NIM) since 2010 by IIT Government of India.
- Building a secure, resilient and trusted digital infrastructure for India.

Key Cybersecurity Solutions

- Critical Infrastructure Security
- Tamper-proof Data Storage & Sharing
- Cyber Crime Tracking & Investigation

CENTRES OF EXCELLENCE

Driving Research-Led Innovation & Industry Collaboration

Our Centres of Excellence (CoEs) bring together advanced infrastructure, domain expertise and strategic partnerships to accelerate innovation, skill development and real-world impact across critical sectors.

4 Wadhvani Innovation Network - Center of Excellence (WIN-CoE)

The Wadhvani Innovation Network (WIN) is dedicated to driving innovation, translation and entrepreneurship with a prime objective of fast-tracking commercialization of academic research in cutting-edge areas such as biotechnology, bioengineering, synthetic biology, healthtech, artificial intelligence, semiconductors, spacetech, advanced computing, quantum technology, critical minerals and mining through partnerships with various Govt. agencies / academic institutions / incubators across the country



5 DRDO Industry Academia Centre of Excellence (DIA-CoE)

With a vision to make India prosperous by establishing world class science and technology base and provide India's Defence Services decisive edge by equipping them with internationally competitive systems and solutions, the DIA CoE is aimed to pursue projects to master critical and futuristic technologies related to design, development and selection of strategic materials for the Indian Defence.



6 C-DOT IITK Centre of Excellence (CDOT-IITK CoE)

The C-DOT IITK CoE is dedicated to collaborative research, innovation, and indigenous technology development in Quantum Technologies, 5G, 6G, and beyond-communication systems, encompassing hardware, software, and standardization. The CoE will foster a strong innovation ecosystem by supporting startup incubation, mentoring, and industry-academia collaboration. It will also deliver training, capacity-building, and skilling programmes aligned with national priorities in telecommunications, semiconductors, and digital transformation.



DEFENCE TESTING LABORATORIES

Technopark@iitk has established state-of-the-art Defence Testing Infrastructure focused on Unmanned Aerial Systems (UAS) and Communication Systems under the Defence Testing Infrastructure Scheme (DTIS) of the Ministry of Defence.

Developed in collaboration with leading industry partners including Hindustan Aeronautics Limited, Bharat Electronics Limited, BEML Limited and others, the initiative aims to strengthen India's indigenous defence testing ecosystem and advance the vision of Atmanirbhar Bharat through accessible, high-quality testing facilities for academia and industry.



1

UAS (DEFENCE) TESTING FOUNDATION (UASTF)

As one of the Defence Testing Laboratories at Technopark@iitk, UASTF offers comprehensive static and dynamic UAS testing capabilities, serving as a one-stop, affordable solution for MSMEs and startups, and strengthening the defence manufacturing ecosystem in Uttar Pradesh.

The facility is equipped with advanced infrastructure for complete UAS lifecycle testing under one roof.



Environmental Test Chambers



EMI/EMC Testing



Power Supply Variation Systems



Mobile Ground Control Stations



Aerial Flight Testing



Destructive Testing Setups



2

COMMUNICATION (DEFENCE) TESTING FOUNDATION (CDTF)

The CDTF at Technopark@iitk houses advanced RF, 5G, and protocol-level capabilities to support next-generation defence communication technologies under the DTIS scheme.



Vector Signal Analyzer (VSA)



Vector Signal Generator (VSG)



Spectrum Analyzer



Rohde & Schwarz CMX500



5G NR / LTE Protocol Tester



Vector Network Analyzer (VNA)

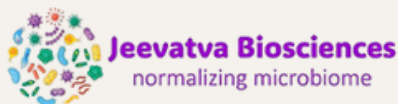


Digital Storage Oscilloscope (DSO)



RF Test Software Suites

OUR MEMBERS



Innovation in Action

SUCCESS STORIES OF
RESIDENTIAL MEMBERS

IMPACT

INNOVATING UAV TECHNOLOGIES.

EMPOWERING A SMARTER TOMORROW.

Gurugram-based AITMC Ventures Pvt. Ltd. is a drone technology company working on the design, manufacturing, and deployment of cutting-edge UAV technologies across sectors including defence, agriculture, logistics, mining, infrastructure, and skill development.



As a result of its collaboration with the **SPiN Laboratory, IIT Kanpur**, the company has delivered a **fully integrated and field validated UAV system** that enables:



5+ km
secure communication
range



Real-time
telemetry & HD
video streaming



Automated
antenna tracking



Integrated
mission planning
(GeoPoly Mapper)



BVLOS-ready
operations

BUILT TO TEST.
BUILT TO PERFORM.



To support their software research, AVPL has developed and stationed a **30 km payload drone** at Technopark@iitk which serves as the primary testbed for integrating heavy sensor suites and validating flight stability during high-precision mapping missions.

STRONGER TOGETHER.
BUILDING THE FUTURE.



In 2026, an MoU was facilitated between **SIIC FIRST** at IIT Kanpur and **Startup Stairs**, promoted by **Ms. Preet Sandhu of AVPL**, reflecting the strength of **intra-ecosystem collaboration** within Technopark@iitk.

AI-POWERED INNOVATION.

TRANSFORMING HEALTHCARE

Gujarat-based Merai Newage Pvt. Ltd. (now officially NuvoAI), is shaping the future of medical technology with AI. Through its close collaboration with the IIT Kanpur research ecosystem the company is developing AI solutions that set new standards in medical, diagnostic and research.

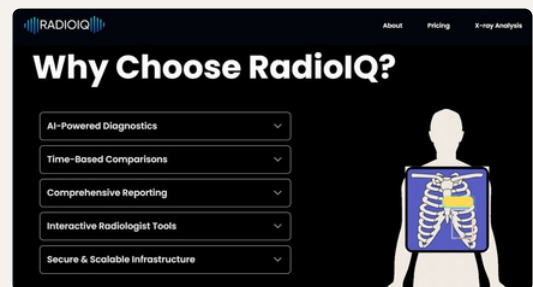


KEY DEVELOPMENTS



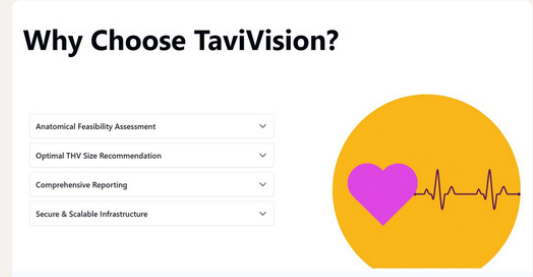
RadiolQ

An AI-powered medical imaging platform designed to assist radiologists with accurate and efficient chest X-ray diagnosis and reporting.



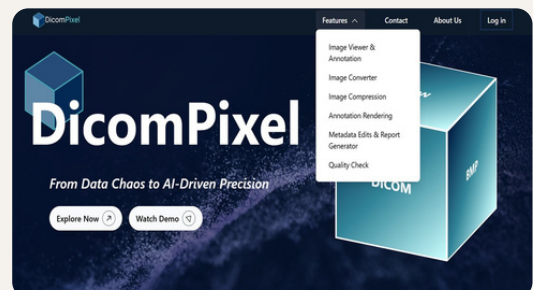
TaviVision

An advanced healthcare solution enabling cardiologists to automate aortic valve analysis and streamline TAVR planning workflows.



DicomPixel

A robust web-based platform that simplifies the management and operational workflows of 2D and 3D medical imaging data.



INNOVATING FOR A SUSTAINABLE AEROSPACE FUTURE

Noida-based Maraal Aerospace Pvt. Ltd., in collaboration with IIT Kanpur, has developed and successfully flight tested a solar-powered fixed-wing UAV platform **Tejasvaan** for long-endurance operations.



KEY DEVELOPMENTS

- Engineered **lightweight composite airframe structures** for improved aerodynamic efficiency.
- Integrated an **intelligent power management system** for optimized solar energy utilization.
- Developed **autonomous flight and navigation systems** for precision operations.
- Established an **aerodynamic optimization framework** using CFD and wind tunnel insights.
- Designed a **modular payload integration system** for applications including surveillance and remote sensing.



PLATFORM CAPABILITIES



**Long
Endurance**



**Solar
Powered**



**Autonomous
Operations**



**Precision, Performance,
Reliability**



These developments are supported by state-of-the-art facilities at Technopark@iitk, including a composite fabrication laboratory, curing oven, material processing tools, avionics integration setups, and dedicated prototyping and testing infrastructure.

BUILDING INDIGENOUS SOLUTIONS

Kanpur-based Invariance Automation Pvt. Ltd. has developed indigenous solutions for electronics manufacturing automation with strong capabilities in SMT machines, vision systems, feeder integration, software, while initiating a machine-to-machine communication framework aligned with the Hermes+ roadmap.

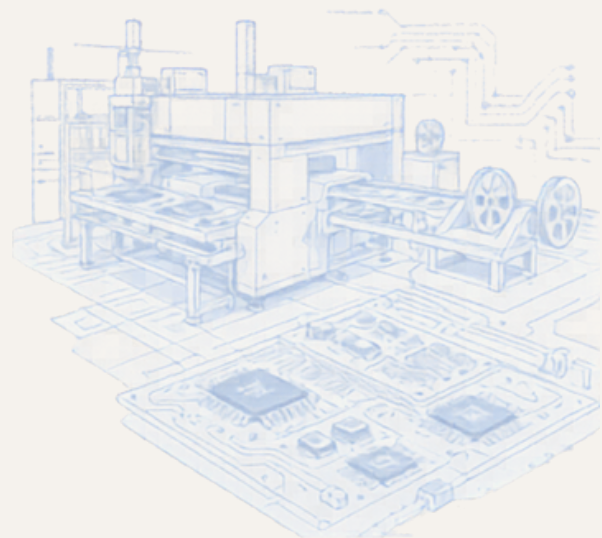


These developments are supported by robust facilities at Technopark@iitk, comprising mechanical assembly infrastructure, vision system development set-ups, embedded systems, motion control units, and **SMT prototyping capabilities**.



KEY DEVELOPMENTS

- A pick-and-place SMT machine
- Fly-by vision system
- Auto feeder integration system
- A machine control software stack, along with initiating a machine-to-machine communication framework aligned with the Hermes+ roadmap.



INNOVATING FOR A SUSTAINABLE PLANET & RESILIENT FUTURE

Vishakhapatnam based Geo Climate Risk Solutions (GCRS) is at the forefront of environmental restoration, combining scientific expertise with innovative solutions to heal our planet's degraded landscapes. GCRS also helps with Central Ground Water Authority (CGWA) NOC Approvals by offering an End-to-End NOC Assistance.



**ENVIORNENTAL
RESTORATION**



**WATER RISK
ANALYTICS**



**AI-ENABLED
FORECASTING**



**SUSTAINABILITY
INTELLIGENCE**

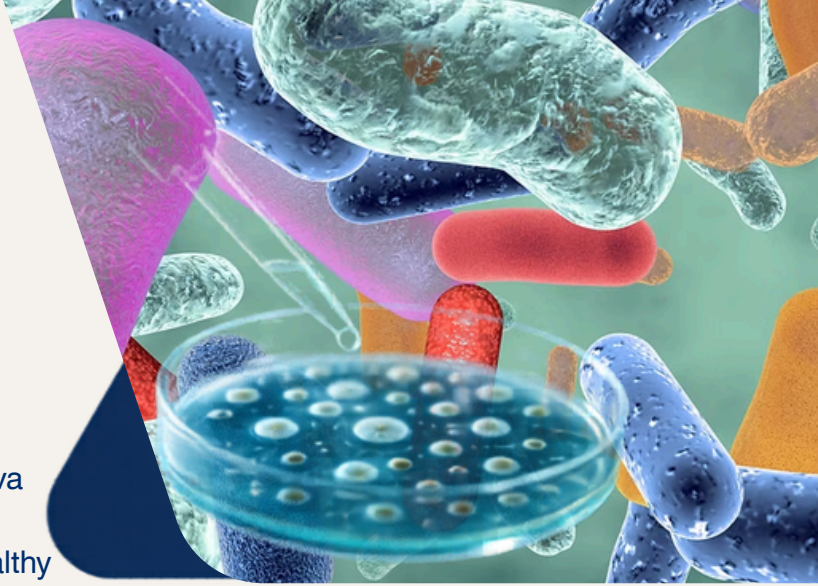


KEY DEVELOPMENTS

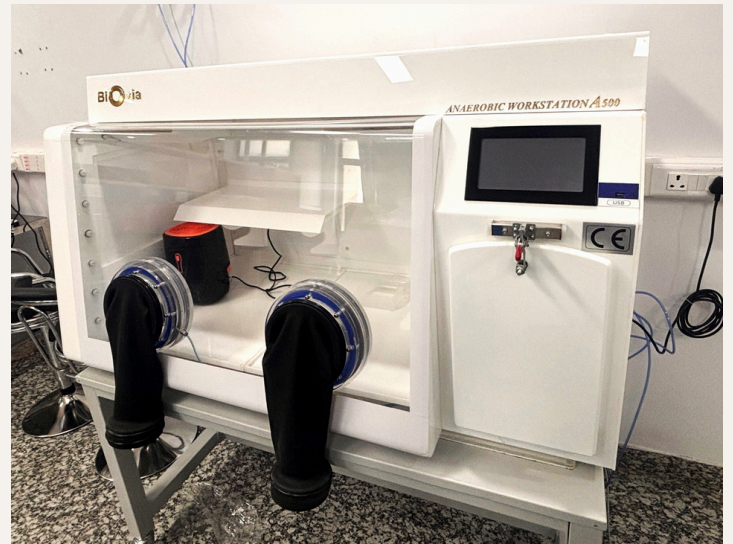
- Development of the **Geosust platform**, a sustainability and risk analysis tool, enabling industries to assess environmental risks and impacts, and drive restoration across water, biodiversity, carbon, and climate domains.
- Strategic collaborations with France-based **BWI**, integrating hydrological forecasting, AI, and water risk analytics to deliver resilience solutions.
- GCRS has also contributed to key forums, including the **Indo-French Climate Resilience Seminar** at IIT Delhi and the **CII Andhra Pradesh Sustainability Summit 2025**.
- Delivered a specialized session for **Adani Airports Holdings Ltd.** on groundwater compliance, risk management, and sustainable water stewardship for airport infrastructure.

THE FUTURE OF MICROBIOME HEALTHCARE

In pursuit of unlocking the incredible potential of the human microbiome to transform healthcare, Jeevatva Biosciences develops products composed of well-characterized microbial strains derived from the healthy human microbiome, along with prebiotics, with the goal of restoring normal and functional microflora.



The company is actively collaborating with IIT Kanpur on advancing next-generation microbiome-based therapeutics and preventive healthcare solutions through cutting-edge scientific research and innovation. Their lab at Technopark@iitk houses state of the art equipment like **Coy Anaerobic Workstation** and **Bioxia Anaerobic Workstation**.



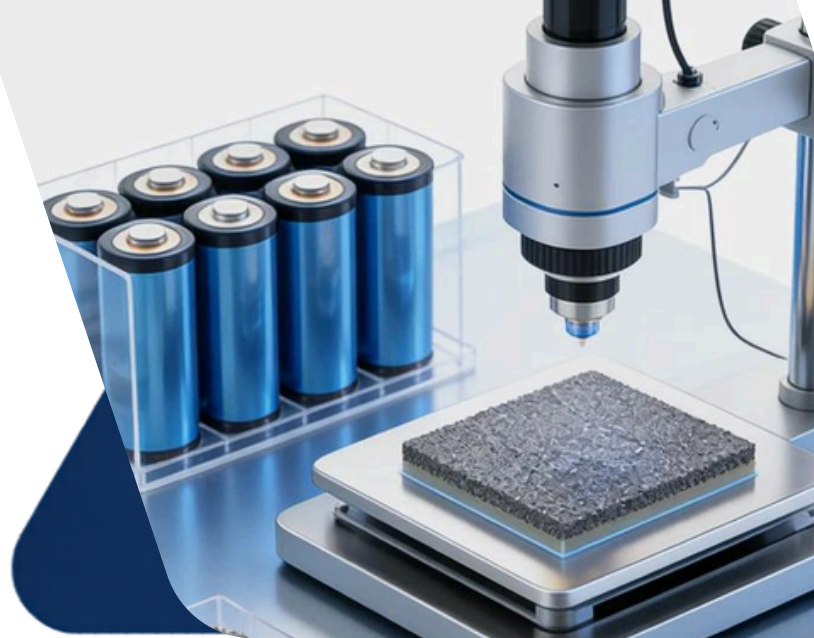
COLLABORATIVE AREAS

- **DEVELOPING MICROBIOME-BASED THERAPIES**
 Harnessing healthy human-derived microbial strains for precision healthcare applications.
- **FORMULATING ADVANCED PREBIOTIC SOLUTIONS**
 Supporting restoration of healthy and functional gut microbiota.
- **FOCUSING ON PREVENTIVE HEALTHCARE**
 Creating science-backed interventions for long-term health and wellness.



POWERING THE FUTURE OF ELECTROCHEMICAL INNOVATION

MTX labs focuses on developing cutting-edge electrochemical instrumentation for research, diagnostics, and industrial applications. In 2025, MTX Labs launched the world's most compact, affordable, and high-performance electrochemical analyzer, **MedPstat 2.0 Advance**, a handheld Potentiostat/Galvanostat.



MedPstat 2.0 Advance Handheld Potentiostat / Galvanostat

-  World's Most Compact Design
-  Affordable Research Instrumentation
-  Real-Time Data Visualization
-  Research & Industrial Applications

KEY FEATURES



Precision, Portability & Power

Combines precision, portability, and power for advanced electrochemical research and applications.



High Performance

Applied potential range of $\pm 10V$ and a maximum current capacity of 250mA.



Versatile & Robust

Delivers robust performance across a wide range of electrochemical use cases.



Smart Connectivity

USB connectivity and dedicated PC software for seamless data acquisition and real-time plotting.

Industry-Academia Engagement

MTX Labs was the **Main Sponsor of MatSci 3.0** Research Scholars' Day (March 14-15, 2026) organized by the Department of **Materials Science and Engineering**, IIT Kanpur.



ADVANCED DIAGNOSTIC IMAGING SOLUTIONS AT POINT-OF-CARE

Based in Kanpur, Lenek Technologies is advancing healthcare innovation through indigenous medical imaging solutions designed to improve diagnostic accessibility, accelerate disease detection, and enhance patient care outcomes. Since joining Technopark@iitk, the company has developed cutting-edge portable imaging technologies and expanded their deployment across healthcare ecosystems.



LIRA

ULTRAPORTABLE X-RAY IMAGING SYSTEM

Point-of-Care Imaging. Anywhere.



- ✓ Low radiation leakage
- ✓ mA and kV Control
- ✓ Laser Lights for ROI visualization
- ✓ Swappable Battery ensuring zero downtime
- ✓ High-Quality imaging with Multi detector support

LIRA uses state-of-the-art AI algorithms to automatically analyze chest X-rays, highlighting abnormalities for faster and more accurate diagnosis.

LEXIS

LENEK INTELLIGENT RADIOLOGY ASSISTANT

AI-Powered X-Ray Screening Platform



- ✓ AI-powered Image Analysis
- ✓ Enhanced Diagnostic Accuracy
- ✓ Customizable Workflows
- ✓ Seamless Integration
- ✓ Patient Engagement

Lexis is an independently developed handheld X-ray generator designed for point-of-care screening & diagnosis, delivering high throughput with reduced radiation dose, user-friendly design and enhanced accessibility.



Funding Support

Secured funding from Small Industries Development Bank of India (SIDBI)



Research Support

Supported by Indian Council of Medical Research (ICMR)



Community Impact

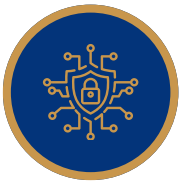
Actively conducting TB screening programmes in Bihar in collaboration with government and institutional partners

SECURING THE DIGITAL FRONTIER

Treacle Technologies is strengthening cybersecurity resilience through advanced threat detection, deception technologies, and automated security intelligence designed to protect modern digital ecosystems.



In collaboration with Technopark@iitk, Treacle is developing **next-generation cybersecurity solutions** to help organizations combat increasingly sophisticated digital threats. Since 2024, the company has expanded its cybersecurity portfolio through the development of innovative threat detection and deception technologies.



TREACLE I-MIRAGE SYSTEM

Advanced deception-based cybersecurity platform designed to detect, confuse, and deter sophisticated attackers.



ENDPOINT HONEYTOKENS

Developed and officially released to detect unauthorized access attempts and insider threats in real time.



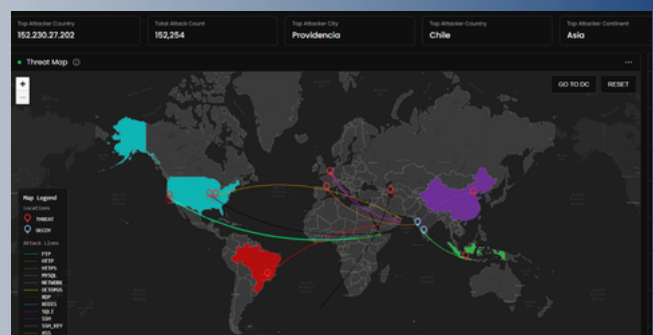
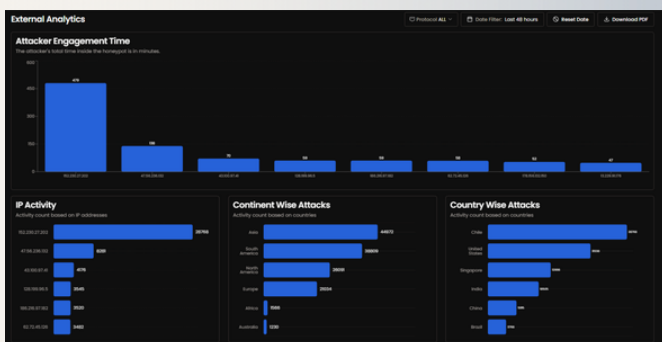
ADVANCED THREAT DETECTION SOLUTIONS

- IoT Decoy
- Active Directory Attack Detection Model



AUTOMATED ALERTING FEATURES

Real-time email and dashboard notifications that ensure rapid response to critical security events.



Their state-of-the-art laboratory at Technopark@iitk is equipped with high-performance systems and CPUs to support continuous innovation, rigorous testing, and reliable cybersecurity operations.

POWERING DREAMS, PROPELLING INNOVATION.

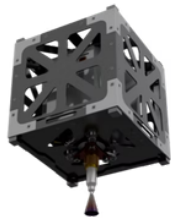
Chennai-based Dream Aerospace specializes in delivering advanced propulsion solutions that redefine reliability, performance, and efficiency. In collaboration with Technopark@iitk, the company is revolutionizing the aerospace industry through the development of green propellant satellite thrusters.



High- Performance Aerospace Propulsion and Autonomus Space Robotics & Docking System



**ATOM - 1N
MONOPROPELLANT
THRUSTER**



**CUBEHOOD- 2U
PROPULSION
MODULE**



**MOLECULE - BI-
PROPELLANT
THRUSTER**



**DBOT - ROBOTIC ARM
FOR AUTONOMOUS
DOCKING FOR SMALL
SATELLITE**



₹75 LAKHS

Awarded at Startup Shark Soiree 5.0,
TiECon UP Chandigarh.



POWERING INDUSTRIAL INTELLIGENCE

Axiot Informatics is building secure, scalable and intelligent IoT solutions that help industries monitor their environment, ensure compliance and make data-driven decisions.

Monitored Today
Sustainable Tomorrow

Weather & Air Quality Monitoring for a Better Future



WEATHER MONITORING



AIR QUALITY MONITORING



REAL-TIME DATA



ANALYTICS & INSIGHTS



SUSTAINABLE ENVIRONMENT



Axiot has developed the IoT backbone for the **AXIS Weather Station**, an advanced Industrial Weather & Air Quality Monitoring System.

AXIS WEATHER STATION

Advanced Industrial Weather & Air Quality Monitoring System



- ▶ Compact & field deployable
- ▶ Continuous industrial operation
- ▶ Real-time multi-parameter monitoring
- ▶ AQI computation & reporting
- ▶ CPCB compliance ready
- ▶ Secure cloud connectivity

KEY FEATURES



Compact, field-deployable solution engineered for continuous operation in demanding industrial environments.



Enables real-time monitoring of meteorological parameters, particulate matter, gaseous pollutants and environmental noise, along with AQI computation.



Ensures compliance with Central Pollution Control Board (CPCB) standards.



Built with secure connectivity and advanced encryption protocols for safe transmission and management of critical industrial data.

INNOVATING RAIL SIGNALLING FOR A CONNECTED TOMORROW

Bengaluru-based TVM Signalling and Transportation Systems Ltd. (TSTS) is a leading railway signalling and smart transportation solutions provider backed by the 108-year legacy of Kyosan Electric Manufacturing Co., Ltd., Japan. In collaboration with Technopark@liitk, TSTS has developed AI-driven railway safety and decision-support solutions.



I. AI-POWERED INNOVATIONS



AI models for anomaly detection for railway safety.



AI models for decision support in railways.



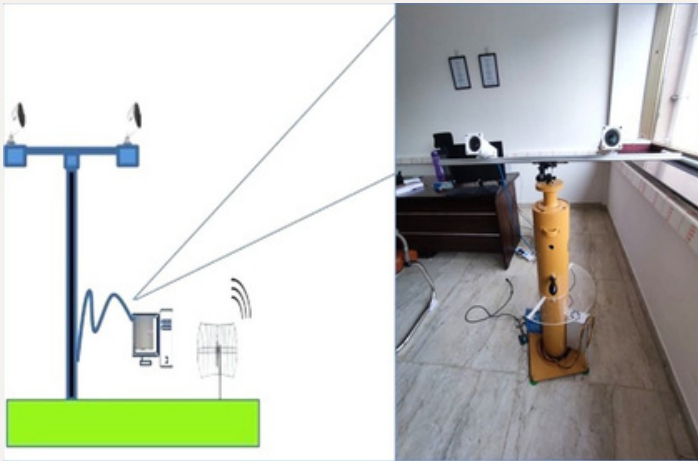
II. CONTRIBUTING TO ACADEMIA

Facilitated a CSR contribution of **₹5,25,000** towards strengthening institutional infrastructure and supporting the advancement of research, innovation, and academic ecosystems development at IT Kanpur.

The development is ably supported by their R & D office at Technopark that houses a **Railway Signal Monitoring** and a **Communications Testing Facility**.

INTELLIGENCE FOR A SECURE & AUTOMATED FUTURE

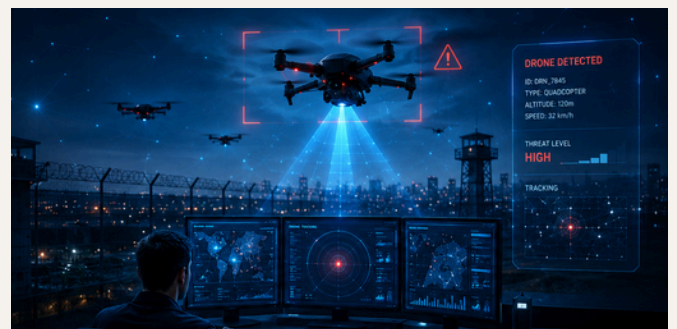
Ahmedabad-based SkyAI Technologies is a trusted technology partner for industry leaders and entrepreneurs, delivering cutting-edge custom software development, AI-powered solutions, and scalable data platforms. The company, in collaboration with Technopark@iitk, has developed innovative platforms that strengthen security, enhance operational efficiency, and enable data-driven decision-making.



KEY DEVELOPMENTS

AI-POWERED DRONE SURVEILLANCE & THREAT DETECTION

Designed and developed an advanced drone detection system that enables robust surveillance and real-time threat identification for sensitive and high-security zones.



INTELLIGENT ERP & BUSINESS AUTOMATION PLATFORM

Developed an advanced AI-powered ERP and business automation solution that integrates machine learning, automation, and real-time analytics to streamline workflows, minimize errors, and support data-driven decision-making.



ESG INTELLIGENCE FOR A SUSTAINABLE FUTURE

Kanpur-based EHM is a sustainability-focused startup working with industries, government organizations, and Higher Educational Institutions (HEIs) to strengthen ESG performance, manage climate risks, ensure regulatory compliance, and implement long-term sustainability strategies.




STARC
Sustainability Tracking, Assessment & Reporting for Campus

Key Features of STARC

- AI Sustainability BOT
- UNSDG Metrics & Indicators
- GHG Accounting
- Multi-factor Authentication (MFA)
- Centralized Tracking
- API Integration

Features	Standard	Premium
SDG Mapping	✓	✓
GHG Accounting	Scope 1 & Scope 2	Scope 1, Scope 2 & Scope 3
Policy Review	✓	✓
Ranking Related Queries	✓	✓
Sustainability Dashboard	✓	✓
Dashboard Updates	—	Twice in a year
AI Sustainability bot	Flow based	Query based
Sustainability Literacy Test	Pre assessment	Pre & Post Assessment
ESG Webinar	✓	✓
Facilitation for Certification	—	As per requirement
Climatic Access	✓	—

+91 964339507 | www.ehmconsultancy.co.in



KEY DEVELOPMENTS

- ▶ Developed '**STARC**', an in-house ESG dashboard designed for Higher Education Institutions (HEIs) to track and manage their GHG sustainability journey, featuring tools such as a sustainability bot, tracker, ranking system, and literacy assessment plugin.
- ▶ Participated in the AI-Driven Governance for Legislators workshop at the Vidhan Sabha, Lucknow, under the leadership of Satish Mahana, contributing to the vision of a **Digital Vidhan Sabha**.
- ▶ Conducted a comprehensive **Biodiversity and Ecology Survey** at IIT Kanpur, establishing a baseline ecological database to support long-term sustainability and climate-resilient planning.

REWOP- TALENT & STRATEGIC COLLABORATIONS-

OPPORTUNITIES CREATED (2025-26)

Technopark@iitk's flagship Industry-Student Engagement Programme, **ReWoP (Real World Projects)**, serves as a dynamic platform connecting industry challenges with academic talent at Indian Institute of Technology Kanpur. The programme enables students to work on real-world industry problems through mentored projects fostering experiential learning, innovation-driven problem solving, and stronger industry-academia collaboration.



27

INTERNSHIPS OFFERED

to IIT Kanpur students to work on through immersive and industry-driven projects.



27

FULL-TIME OPPORTUNITIES

to join leading organizations and contribute to real-world impact.



1

SPONSORED POSTDOCTORAL POSITION

supporting advanced research and innovation.



Three-Year Growth Snapshot

METRIC	2023-24	2024-25	2025-26
Internships Offered	6	21	27
Full-Time Opportunities	16	33	27
Sponsored MTech/PhD/Post Doc.	-	Framework Development	1 Position



Expanding Student Engagement Across Campus

Technopark@iitk is actively strengthening collaborations with IIT Kanpur Student Councils to broaden the reach of the ReWoP programme. Upcoming initiatives include participation in Placement Series activities, hackathons, expert panel discussions, innovation challenges, and curated industrial visits designed to provide students with deeper industry exposure and experiential learning opportunities.



EVENTS AND PARTNERSHIPS (2025-26)

- Technopark@iitk sponsored the **GCC Innovation Summit 2025**, organized by the IIT Kanpur Alumni Association. The summit brought together leading GCC executives, startups, academia, and government stakeholders on a common platform, fostering dialogue and laying the groundwork for future collaborations.
- Under the **India-Japan Talent Bridge Program**, commissioned by Ministry of Economy, Trade and Industry in association with Deloitte Tohmatsumi Group and Tech Japan Inc., (organized by Student Placement Office, IITK), Technopark@iitk hosted a Japanese delegation of ~35 members, including industry representatives and government officials.
- A team from **India Optel Ltd.**, comprising Mr. Tushar Tripathi, Mr. Shambhu Sharma and Mr. Nitesh Goel visited Technopark@iitk to set up their R&D centre at Technopark@iitk dedicated to expand Electro-Optical solutions for “Aatma Nirbhar” Bharat.
- Technopark@iitk participated as an exhibition partner at the **CII Global Summit on Industry-Academia Partnerships 2025** held at the India Habitat Center, New Delhi, showcasing IIT Kanpur’s industry-academia research initiatives and innovations at the Technology Exhibition & Innovation Showcase.
- Technopark@iitk was invited to contribute to **Niti Aayog’s national consultation on “Institutional Structures to Support Research Translation and Productization in India,”** engaging with leaders from research parks, innovation hubs, and S&T clusters to deliberate on institutional models and processes.
- Technopark@iitk was invited by ASSOCHAM to speak at the **Uttar Pradesh Manufacturing Conclave 2026** in Lucknow as part of a panel on Digital Transformation, Finance & Investment Ecosystem: Manufacturing Smarter & Industry 4.0.



IN THE NEWS

- ▶ The UAS Defence Testing Lab at Technopark@iitk hosts the country's only integrated facility offering EMI/EMC testing capabilities for aerial systems, along with advanced wind tunnel testing, motion-capture technology, and a one-kilometre-long runway. The facility is in the process of obtaining NABL certifications to further enhance its testing and calibration capabilities.



- ▶ Member companies of Technopark, for e.g. Maraal Aerospace Pvt. Ltd., RVB Shorlubes Pvt. Ltd., UAS Testing Foundation took part in the North Tech Symposium 2026 in Prayagraj, launched by Defence Minister Rajnath Singh. The companies showcased indigenous defence technologies with focus on AI, drones and surveillance systems that paved way for significant partnerships and innovations in the field of defence.



People

Prof. Ketan Rajawat
Dept. of Electrical Engineering

“Technopark@iitk has been extremely helpful in coordinating our recent project with AVPL... In industry-linked projects, company priorities can shift over time, making sustained engagement and timely fund transfers challenging. Technopark played an important facilitative role in maintaining coordination and helping ensure progress at key stages. This experience highlights how Technopark can continue to support and strengthen meaningful industrial collaborations going forward.”



Arush Singh
IITK Alumni and AI Engineering Lead at Merai
Newage (NuvoAI)



“Technopark@iitk connects students with alumni entrepreneurs, and industry experts, that directly strengthens our approach to AI research and product development. Working within a campus ecosystem allows access to ongoing research, collaboration with faculties, and apply academic rigor to real engineering problems which keeps us growing as both engineers and researchers; something a conventional office environment rarely offers.”

Dr. Muralidharan Jayaraman
Executive Vice-President,
TVM Signalling and Transportation Systems Ltd.

“As one of the first companies to establish operations in the newly developed Technopark@iitk Phase I Facility, we were deeply encouraged by the warm welcome, professional engagement, and collaborative ecosystem extended to us from the very beginning. The support provided by the Technopark team during onboarding and throughout our tenancy has been prompt, proactive, and extremely valuable.”



Mr. Madhav Singhania
Joint MD and CEO, JK Cement



“Technopark@iitk is a true hub of progress, where talent is nurtured and interdisciplinary collaboration thrives, fostering growth across industries. At JK Cement, we have reaped significant benefits from the cutting-edge research and collaborative atmosphere cultivated at Technopark, which has enabled us to break new ground in cement technology and develop more sustainable, forward-thinking solutions.”

Mr. Rajesh Bhatia
MD & CEO, Maraal Aerospace Pvt. Ltd.

Maraal Aerospace’s association with Technopark@IITK has been extremely valuable and strategically important. Technopark has been instrumental in connecting our startup with key stakeholders from the defence and aerospace ecosystem, as well as potential investors. We see strong opportunities to engage with other UAV companies through the IITK-Technopark ecosystem and it will help us gain deeper exposure to advanced technologies, robust testing methodologies, and collaborative innovation platforms, further strengthening our growth journey.



Prof. Anish Upadhyaya
Department of Materials Science and Engineering



“Technopark@iitk has been fulfilling the niche of providing platform to companies by leveraging the technical expertise available at IITK and its resources with the aim to develop better products through imbibing technological innovations”

spea**k**

INNOVATE. INSPIRE. IMPACT.

BUILDING
TOMORROW
TOGETHER



Inviting industry and
R&D Organizations to
leverage the world-
class research and
innovation ecosystem
at IIT Kanpur.



ADDRESS

IIT Kanpur Research and
Technology Park Foundation
IIT Kanpur, Kanpur-208016

MOBILE

(0512)6792606
+91 9305168291

EMAIL

inquiry@technoparkiitk.com

Design Credits:

Shalya Tripathi
Dr. Piyashee Mallik

WEBSITE

www.technoparkiitk.com