MESSAGE FROM THE CHAIRMAN

PROF. ABHAY KARANDIKAR

On the occasion of first anniversary of Technopark@IITK, as the Chairman of Technopark@IITK Board, it gives me immense pleasure to look back at the year which was indeed an eventful one! Indian Institute of Technology Kanpur (IIT Kanpur) is celebrating its diamond jubilee year and since its advent, IIT Kanpur has a vision to provide quality education, and cutting-edge technology based on science and engineering innovations. Further in order to deepen the existing entrepreneurship and innovation culture in the Institute, ‘IIT Kanpur Research and Technology Park’ was established as a Section 8 not-for-profit company in March 2019. Technopark@IITK strives 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 core-competence of IIT Kanpur. I am delighted that in a very short span of time, Technopark@IITK has accomplished considerable degree of success. Technopark@IITK is hosting seven companies with deep R&D collaborations with IIT Kanpur ecosystem in its transit facility. It has also signed an MoU with NASSCOM to promote industry-academia collaborations. Further, Technopark also organized, local industry meet, which opened up channels of dialogue between IITK and local industry. In addition, showcasing core research strengths of IIT Kanpur, two Special Interest Group Meet in AI, IoT and Robotics and defence technologies were organized, which witnessed huge participation. Furthermore, we plan to launch our Affiliate Membership model for MSMEs. It is indeed commendable to have achieved all these in only one year!

I am confident that we are well-positioned with clear strategic priorities and conviction to take the Technopark@IITK to further heights and newer dimensions. As the Chairman of Technopark@IITK Board, I urge that the companies that can truly leverage the IITK research strengths and infrastructure must join hands & collaborate with Technopark@IITK to create indigenous futuristic solutions and boost our country’s economy.

Best Wishes, Jai Hind!
Abhay Karandikar

MESSAGE FROM FOUNDER PROFESSOR IN-CHARGE

PROF. AVINASH K AGARWAL

IIT Kanpur is credited with many firsts in higher technical education in India such as semester system, ‘grade point system’ and so on. Now with the launch of its ambitious research and technology park, IITK has laid grounds for one of the finest Indian University Research Parks to emerge in the coming years. Technopark@IITK is an independent not-for-profit Section 8 company aimed at increasing the interaction of IITK (Faculty & Students) with industry both at national and global level. There is an inherent desire in IITK community to contribute extensively towards industrial and product development in our country as a leading academic institution and thus contribute to the growth of our nation. The vision of Technopark@IITK is to help industries develop cutting-edge technologies and create processes and products that can help the country to flourish. IITK has a lot to offer to industries such as state-of-the-art research infrastructure, best brain power among faculty, staff, students and research scholars and technology vision. We have 450+ faculty and 7500+ students on our campus, who can contribute towards this novel mission. Our world-class faculty colleagues are eager to help solve challenging industrial problems and develop futuristic solutions, which can take the country to the next level of technology evolution.

Technopark@IITK is a new entity and within a short span of one year of our formal operations, we have succeeded in hosting large number of companies in our premises, three of which are Kanpur based large industries. In future, we have plans to set up experimental facilities and suitable infrastructure based on our clients’ requirements. Our new upcoming building is a 2.5 lakh sq. ft. six-stored green building, which will be ready for occupation by September 2021, and will be able to host 150 Industrial clients (Offices and laboratories). I welcome the participation of Industries, big and small, Indian and International, to come and avail this opportunity to work with and have presence on the campus of one of the finest technology institutes of the country, IIT Kanpur.
COMPANY OVERVIEW
IIT Kanpur Research and Technology Park Foundation, brand name Technopark@iitk, is an independent not-for-profit Section 8 company registered under the Companies Act 2013 on 7th Feb 2019. The company is intended towards promoting and accelerating long-term strategic R&D collaborations between IITK and Industry by providing conducive environment for industries to set up their R&D bases within the Technopark@iitk premises and leverage intellectual and infrastructural leadership of IIT Kanpur.

HOW IT BEGAN?
On 8th April 2019, Technopark@iitk was formally inaugurated by IITK BGC Chairperson, Dr. K. Radhakrishnan.

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 core competence of IIT Kanpur.

MISSION
- To become a hub of R&D activities spanning all industrial sectors.
- To enable translational research and two-way flow of knowledge and resources.
- To deepen interaction and cooperation between industries and IIT Kanpur.
- To contribute to economic development of the nation by innovating in critical sectors of the economy.

URPs enable translation of university research into technologies with high societal impact enabled by co-location of Industrial R&D centers.

The common goal is to drive technology up in the value chain and help create wealth through science and technology-led products and services.
BENEFITS TO INDUSTRY

Positioned uniquely in India’s premier technology institute, Technopark@IITK opens the expansive research and innovation ecosystem of IITK for industries and R&D organizations to co-develop indigenous and futuristic solutions to meet the current and future challenges of society.

- Access to intellectual capital and expertise IITK faculty and students.
- Access to world class research facilities, laboratories and computing infrastructure.
- Possibility of jointly applying for government grants.
- Possibility of creating joint IP and Joint Publication.
- Unrivaled opportunity for technology and skill upgradation.
- Dynamic environment to catalyze business growth.
Industry Funded Research Cells (ISRO, TCS, UNILEVER)

15 Departments, 6 Interdisciplinary Programs

150+ Startups Mentored at Incubation Centre

465+ Faculty, 7500+ Students

600+ Patents, 56 Commercialized

400+ Collaborative Projects

TECHNOPARK @ IITK OBJECTIVES

01 Promote Industry-IITK Partnerships
Facilitate productive industry partnerships to set up Research Laboratories/centers of excellence

02 Promote Industry-IITK Student Engagement
To develop technical solutions to real industry problems and promote hands-on experience for students

03 Organize Industry Outreach Programs
Special Interest Group meets to bring in faculty, students, industry and entrepreneurs for an open platform for lectures, discussions and exchange of information
Facilitate Setting Up of R&D Centers of Excellence

Promote Industry-IITK Partnerships

Since its inception, Technopark@IITK has hosted several visitors from industry and R&D organizations to showcase them the expansive R&D ecosystem of IIT Kanpur and initiate long-term R&D collaborations.

GE Aviation India Visit:
18/19 October 2019 - After two months of intense discussions, an 8-member technical team from GE Aviation accompanied by GE Aviation India Head Mr. Vikram Reddy visited IIT Kanpur. In the two-day visit, GE Aviation team interacted with a group of 30 faculty experts in five possible areas of research shared by the company and visited labs and research facilities. At the end of the visit, a total of 15+ research problems were finalized, for further development.

Lohia Corporation Visit:
6th June 2019 - Technopark@IITK team accompanied by the Director IITK visited the Lohia Corp. facility, 12th June 2019 - Hosted the Lohia team at IITK and held discussions with 20 faculty experts in research interest areas outlined by Lohia group.

TAFE Visit:
30 August 2019 - A team of three from TAFE including the company’s CTO Mr. James Miller visited Technopark@IITK and held research discussion with the faculty group.
On 22nd June 2019, Technopark@iitk launched a dedicated program titled 'IITK Students Tackling Real-World Problems (ReWoP)' for student engagement with industry in a versatile, enthusiastic, agile and unconventional manner. This initiative is an effort towards a need for hands-on and experiential technical training, which will equip IITK students in tackling real-world industrial problems during their professional career. Industry partners can benefit from this program in several ways:

**FEATURES**

- Ready availability of competent, open-minded, enthusiastic and talented human resource pool with adequate engineering and analytical background with problem solving skills.
- Flexible approach and affordable, multiple indigenous solutions.
- Availability of potential talent for recruitment.
26 Dec 2018 - TiE UP Event
First outreach activity addressing the local Kanpur industry in a TiE-UP event held in Kanpur.

6 April 2019
IIT Kanpur Opens up to Local Industry
30+ industries from Kanpur region participated in the meet.
Free-wheeling discussions between industry and IITK management.

03
Organize Industry Outreach Programs

4 May 2019
Bundelkhand Defence Corridor Conclave
IITK proposed to develop the 30-acre Shivli land with the help of UPEIDA for developing Defence Corridor Research Park.

4/5 Nov 2019 - NASSCOM NPC2019 Event, Bangalore
Opened roundtable discussions to increase academia-industry interactions and address inherent challenges.
NASSCOM and Technopark@IITK to work together in putting up a University-Industry collaboration framework.

30 Nov 2019 - MoU signed with NASSCOM

“Thrilled and excited to be a part of Technopark@IITK. Look forward to working together to build better roads for India.”
- Saurabh Gupta, MD, AR Thermosets

9 Nov 2019 - SIG Meet in AI, IoT and Robotics
With all the Innovation work and Technology research activities, I was pleasantly surprised to see the depth of work and the potential to scale. I am sure we will be successful in identifying areas of mutually beneficial interest and collaborate.
- Pravin Hungund, CTO & Global Head Technovation Centre, Wipro

4 Feb 2020 SIG Meet in Defence Technologies
The time is right to collaborate with entities like IITK Research Park to identify areas of technology of dual interest to both global markets and Govt. We look forward to working with IIT Kanpur esp. in UP Defence sector as things evolve in India.
- Prakash Seshu, Lockheed Martin Fellow
CLIENT SELECTION PROCESS

1. Client Contact and initial discussion
2. Submission of R&D proposal
3. Review of the R&D proposal
4. Feasibility check on client's structural requirements for its facility at Technopark
5. Welcome to Technopark@iitk
6. Handover of the facility to the client
7. Signing of License and Services Agreements & depositing security money & one-month advance rental

CLIENT PORTFOLIO

VTOL AVIATION INDIA
THREARDS (INDIA) LIMITED
ART
INJECTOPLAST
ISMRITI
ART belongs to the highly acclaimed GKG Group (that includes 2 other very successful companies- MKU and EIS Electronics India).

Committed to become a leading company providing technological solutions for long lasting and safe roads, it provides a variety of products for the road making industry.

- Injectoplast is an established Tier-1 System Supplier to the Automotive Industry both in India and to global Original Equipment Manufacturers (OEMs) like GM/VW/JLR/Mercedes/Ford/Bosch etc.

  It provides solutions for Modules and Systems made of Engineering plastic components and assemblies, with Below 10 PPM Quality performance.

  Injectoplast has also forayed into product range for IoT and Autonomous driving vehicle, along with special participation with ISRO for a few of their challenging projects in the Plastic field.
Produce threads of International Standards, in compliance with Advanced European Technology.

India's only SATRA Qi mark certified Company.

Its product used in the Leather & Footwear industries, Apparel Industries, Automotive and other applications.

Global clientele in 30+ countries; ABB, Renault Nissan, BATA, Liberty, Red-Tape, Raymond, Pantaloon, HAL, TATA Motors, Hyundai, Samsonite, Woodland and others.

Software development & Industrial automation, Web, CRM, E-commerce application, Portal development, Web integration, ERP Implementation, etc.

Microsoft Dynamics Partner since 2006, CMMI Level 5 certified.

Global clientele include Microsoft, Reliance Industries, Havel's, TATA Motors, HUDA, BHEL, Indian Railways, Indian Air Force.
India’s first Electrochemical Impedance Spectroscopy developed & tested in collaboration with Electrochemistry Lab, Dept. of Chemical Eng., IIT Kanpur.

World’s first Magneto-Electrochemical Workstation developed with DSIR (PRISM) funding support & tested in collaboration with Electrochemistry Lab, Dept. of Chemical Eng., IIT Kanpur.

Clients include renowned institutes like IISc, IITs & NITs etc all over the country.

- The company specializes in developing products and technologies in AI and IoT, imparting professional training programs in Artificial Intelligence (AI) and Internet-of-Things (IoT) to professionals and students and consulting services with various international clients.

- Developed prototypes of 3 products for which full scale product development in progress.
WE GIVE YOU WINGS TO DREAM, FLY HIGH WITH VTOL

WHAT WE DO?
Unmanned Aerial Systems for Surveillance, Cargo Delivery, Tactical Air Support.

ABOUT THE COMPANY
VTOL AVIATION INDIA

Firstly we would like to share a brief insight to our Group Company “E F C Group Of Companies” and “VTOL AVIATION INDIA PVT. LTD.” It is a company formed under the “Make in India” initiative under this Group. EFC Group Of Companies have made a remarkable presence in the field of shipping and logistics for over 3 decades now and performing tremendously in this field with turnover of around Rs. 300 Crores and expected to grow at a steady pace. We have several diversified sectors being explored by our group companies and as a group company we are deeply committed to make a breakthrough in the Indian Aviation Sector through our new venture, i.e. “VTOL AVIATION INDIA PVT. LTD.”

Our Features
Under the ‘Make in India’, the company focuses on Unmanned Aerial Systems for Surveillance, Cargo Delivery, Tactical Air Support, Fully suitable technology Wide variety of payloads can be integrated Custom payload delivery basis can be incorporated 5-3200 Kg class Unmanned aircraft systems.

VTOL AVIATION INDIA
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STATE-OF-THE-ART INFRASTRUCTURE

- Units of 500-10,000 sq. ft. each
  Ready built & Built-to-Suit facilities
- Mechanical Eng. Industries (Lower Floors)
- IT Industries (Middle Floors)
- Bio/ Chemical Eng. Industries (Upper Floors)
  Cafeteria/Creche/ATMs
- Green Building/Griha rating
- Recreational Facilities

FIRST FOUNDATION DAY of
TECHNOPARK@IITK
“Where curious minds converge
To innovate...”

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