



FOUNDATION FOR INNOVATION
AND TECHNOLOGY TRANSFER
Indian Institute of Technology Delhi

Soch to Scale

NEWSLETTER

Edition: Jan – Mar '26



Theme: From Lab to Market

Building India's DeepTech & BioInnovation Flywheel

25

R&D Projects

₹4.39 Cr

Funding Secured

R&D Projects & Partnerships

FITT continues to collaborate with corporates, industry bodies, and academic institutions to expand its outreach and enhance technology commercialization efforts. From January to March 2026, FITT led 25 R&D, technology development, and consultancy projects, securing an amount of ₹4.39 crore. They showcase a dynamic ecosystem of innovation, teamwork, and advancement, creating significant positive impacts across various industries.

Notable Project Initiated during this time:

Project Title	Company
Impact Assessment Study of Udaan 2.0 (2024–25)	Earth Care Foundation
Combined Impact of Heat and Air Pollution Exposure on Human Health in India (COPE)	University Corporation for Atmospheric Research (UCAR)
Municipal Solid Waste (MSW) Characterization and Analysis Study at Bhalaswa Dumpsite, Delhi	Tata Consultancy Services
Engg Consultancy Works for Preparation of DPR & Detailed Engineering under Jal Jeevan Mission (Mathura Water Scheme)	Hindustan Consulting Associates Private Limited
Verification of Process Design & Drawings of 150 MLD STP at Bhilai, Chhattisgarh	HNB Engineers Private Limited
Consultancy Service for SCADA System Design, Proof Checking & Technical Vetting	NCC Limited
Central Gateway (CGW) / CAN Gateway Unit in Automobiles	Hitachi Astemo Chennai Private Limited
ICT Infrastructure for Servers and Software Upgrade	Greater Noida Authority
Optimization of Warehousing & Transport for Wheat & Rice in Punjab	Sapphire Warehousing Private Limited
VibeSkin: A Wearable Device for Assessing Cutaneous Micro-Vibration Patterns	STMicroelectronics International NV

Major R&D Partners/Industries:

Domain	Company
Metallurgy & Materials Engineering	Jindal Stainless Limited NCC Limited
Combined Impact of Heat and Air Pollution Exposure on Human Health in India (COPE)	Hindustan Consulting Associates Private Limited HNB Engineers Private Limited
Automotive & Mobility Tech	Hitachi Astemo Chennai Private Limited
Telecommunications & Networking	Beetel Teletech Limited
IT & Digital Transformation	Tata Consultancy Services
Semiconductors & Embedded Systems	STMicroelectronics International NV Earth Care Foundation
Environmental Research & Sustainability	University Corporation for Atmospheric Research (UCAR) Envirotech Instruments Pvt. Ltd.
HVAC & Refrigeration Engineering	Bluestar Limited
Textile & Material Processing	Garden Silk Mills Pvt. Ltd.
Chemical & Consumer Goods R&D	Unilever Industries Pvt. Ltd.

Intellectual Property & Technology Transfer

List of IP applications filed:

TITLE	INVENTOR	DEPARTMENT	Technology Areas for Classification END USE
METHOD AND APPARATUS FOR A LENS LESS FOCUSED BEAM FOR AN ARRAY OF LEDs	DALIP SINGH MEHTA	DEPARTMENT OF PHYSICS	Healthcare
A COATING COMPOSITION AND PROCESS OF PREPARATION THEREOF	GAURAV GOEL	DEPARTMENT OF CHEMICAL ENGINEERING	Others
PASSIVATED SCHOTTKY BARRIER DIODE AND METHOD OF FABRICATION THEREOF	RAJENDRA SINGH	DEPARTMENT OF PHYSICS	Material Science

SYSTEM AND METHOD FOR STABILIZING CIRCULATORY COLLAPSE	ASHOK NIWRITTI BHASKARWAR	DEPARTMENT OF CHEMICAL ENGINEERING	Softwares
A SYSTEM AND METHOD FOR AUTOMATED SELECTION AND PARAMETERIZATION OF SPINTRONIC NEUROMORPHIC DEVICES	GAURAV GOEL	DEPARTMENT OF CHEMICAL ENGINEERING	Others
A METHOD TO DESIGN HIGH VALENCE SODIUM-ION CONDUCTORS (HVSICON) FOR HIGH ENERGY SODIUM-METAL BATTERIES	VIPIN KUMAR	DEPARTMENT OF ENERGY SCIENCE AND ENGINEERING	Material Science
SYSTEM AND METHOD FOR ENERGY-EFFICIENT SMALL CELL SWITCHING IN A WIRELESS COMMUNICATION NETWORK	GOURAB GHATAK	BHARTI SCHOOL OF TELECOM TECHNOLOGY AND MANEGEMENT	Communication
METHODS AND SYSTEMS FOR FABRICATING TEXTILE-BASED SERS SUBSTRATES USING GLANCING ANGLE DEPOSITION	ANUJ DHAWAN	DEPARTMENT OF ELECTRICAL ENGINEERING	Textiles
STRAIN-RESPONSIVE COMPOSITE MATERIAL , DEVICE , AND MANUFACTURING METHOD	SHIB SHANKAR BANERJEE	DEPARTMENT OF MATERIAL SCIENCE AND ENGINEERING	Sensors and MEMS
AN ALGORITHM FOR QUANTITATIVE COLOR MAPS IN DICOM-IMAGING FORMAT	ANUP SINGH	CENTRE FOR BIOMEDICAL ENGINEERING	Softwares
LYMPHOCYTE-ACTIVATION GENE 3 (LAG3) PROTEIN ANTAGONIST	ANURAG S RATHORE	DEPARTMENT OF CHEMICAL ENGINEERING	Healthcare
DIELECTRIC METASURFACE	DHEERAJ PRATAP	OPTICS AND PHOTONICS CENTRE	Material Science
A METHOD AND A MULTI AGENT SYSTEM FOR AUTOMATED DESIGN OF SPINTRONIC MEMORY DEVICES	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR , INSTRUMENTATION AND CYBER PHYSICAL	Communication
A METHOD AND A MULTI AGENT SYSTEM FOR AUTOMATED DESIGN OF SPINTRONIC MEMORY DEVICES	SANTANU KUMAR MISHRA	CENTRE FOR AUTOMOTIVE RESEARCH AND TRIBOLOGY	Power Generation and Distribution

A HYBRID INTERLEAVED WINDING STYLE FOR HIGH FREQUENCY TRANSFORMERS ON TOROIDAL CORE	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR , INSTRUMENTATION AND CYBER PHYSICAL	Power Generation and Distribution
A HYBRID INTERLEAVED WINDING STYLE FOR HIGH FREQUENCY TRANSFORMERS ON POT SHAPED CORE	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR , INSTRUMENTATION AND CYBER PHYSICAL	Power Generation and Distribution
SYSTEM AND METHOD FOR OPTIMIZING MATERIAL PARAMETERS FOR A SKYRMION-BASED MEMORY DEVICES	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR , INSTRUMENTATION AND CYBER PHYSICAL	Communication
CIRCULAR-ECONOMY CONVERSION OF AGRO RESIDUES INTO ACTIVATED CARBON/CO-MOF COMPOSITES FOR EFFICIENT AND AFFORDABLE SUPERCAPACITOR DEVICES	ARCHANA SAMANTA	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Material Science
A SUSTAINABLE AND CHEMICAL-FREE PROCESS FOR PRODUCING MULTIFUNCTIONAL TEXTILES USING WASTE PINE NEEDLES	MANGALA JOSHI	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Textiles
A METHOD FOR SUSTAINABLE, COST EFFECTIVE, AND ECO FRIENDLY SYNTHESIS OF LEAD-FREE 2D PEROVSKITE Cs_2PdBr_4 NANORODS FOR SENSING APPLICATION	TRILOK SINGH	DEPARTMENT OF ENERGY SCIENCE AND ENGINEERING	Material Science
A HIGH-ENTROPY ALLOY AND PROCESS OF PREPARATION THEREOF	DINESH KALYANASUNDARAM	CENTRE FOR BIOMEDICAL ENGINEERING	Sensors and MEMS
PLASMA PROCESSING SYSTEM FOR CONTROLLING SPATIAL CHARACTERISTICS OF PLASMA USING RETROFITTED MAGNETIC FIELD CONFIGURATIONS	RAMESH NARAYANAN	DEPARTMENT OF ENERGY SCIENCE AND ENGINEERING	Material Science
AN ENERGY ROUTING SYSTEM FOR A SMART HOME	SUBHENDU DUTTA	DEPARTMENT OF ENERGY SCIENCE AND ENGINEERING	Renewable Energy

A METHOD AND A SYSTEM FOR DETERMINING A COGNITIVE STATE OF A USER	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR, INSTRUMENTATION AND CYBER- PHYSICAL	Communication
ACOUSTIC METAMATERIAL BARRIER	ARPAN GUPTA	DEPARTMENT OF MECHANICAL ENGINEERING	Communication
SYSTEM AND METHOD FOR SELECTION OF PEDAGOGICAL TECHNIQUES	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR, INSTRUMENTATION AND CYBER- PHYSICAL	Communication
A NON-INVASIVE TEAR BASED GLUCOSE SENSING DEVICE	NAVEEN KUMAR SINGH	CENTRE FOR BIOMEDICAL ENGINEERING	Healthcare
SYSTEM AND METHOD FOR NON-INVASIVE BLOOD GLUCOSE MONITORING	JITENDRA PRATAP SINGH	DEPARTMENT OF PHYSICS	Healthcare
SYSTEMS AND METHODS FOR GPU-ACCELERATED TENSOR NETWORK QUANTUM CIRCUIT SIMULATION WITH ADAPTIVE BOND DIMENSION	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR, INSTRUMENTATION AND CYBER- PHYSICAL	Communication
METHOD AND SYSTEM FOR TRAINING A FRAMEWORK AGNOSTIC QUANTUM NEURAL NETWORK	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR, INSTRUMENTATION AND CYBER- PHYSICAL	Communication
A SYSTEM AND METHOD FOR COMPREHENSIVE DATA CURATION AND ANALYSIS OF GROUND BORNE VELOCITY INDUCED BY RUNNING TRAINS	BAPPADITYA MANNA	DEPARTMENT OF CIVIL ENGINEERING	Communication
VALUE-ADDED CONVERSION OF ANIMAL FIBER WASTE INTO HIGHPERFORMANCE CARBON/CO-MOF HYBRID ELECTRODES FOR SUSTAINABLE SUPERCAPACITORS	ARCHANA SAMANTA	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Sensors and MEMS
SYSTEMS AND METHODS FOR REAL-TIME ADAPTIVE LEARNING ORCHESTRATION	SANTHOSH SIVASUBRAMANI	CENTRE FOR SENSOR, INSTRUMENTATION AND CYBER PHYSICAL	Communication

ACL INTERFERENCE SCREW	DINESH KALYANASUNDARA	CENTRE FOR BIOMEDICAL ENGINEERING	Life Sciences
VISCOELASTIC ADHESIVE AND METHOD OF FABRICATION THEREOF	MOHAN KUMAR SINGH VERMA	DEPARTMENT OF CHEMICAL ENGINEERING	Fabrication
ANTI-RESONANT NEGATIVE CURVATURE OPTICAL FIBER FOR SPECTRAL FILTERING	DEEPAK JAIN	OPTICS AND PHOTONICS CENTRE	Communication
VASCULAR BIOREACTOR SYSTEM AND METHOD FOR EX VIVO CULTURE AND CONDITIONING OF BLOOD VESSELS	PRIYA VASHISTH	CENTRE FOR BIOMEDICAL ENGINEERING	Healthcare
A BI-DIRECTIONAL TORSIONAL COMPLIANT ASSEMBLY MANAGEMENT	SUDIPTO MUKHERJEE	DEPARTMENT OF MECHANICAL ENGINEERING	Mechatronics/Robotics
A SYSTEM AND A METHOD FOR STORAGE AND RETRIEVAL OF ONE OR MORE CADAVERS	RAMA KRISHNA K	DEPARTMENT OF MECHANICAL ENGINEERING	Healthcare
AUTOSTAIN DEVICE A DEVICE FOR TWO-DIMENSIONAL	RAVIKRISHNAN ELANGOVAN	DEPARTMENT OF BIOCHEMICAL ENGINEERING AND BIOTECHNOLOGY	Healthcare
ELECTRONIC MODULATION OF AN OPTICAL WAVEFRONT	ALOKA SINHA	DEPARTMENT OF PHYSICS	Communication
HIGH-ENTROPY SPINEL FERRITE OXIDE CERAMIC MATERIAL AND PROCESS OF PREPARATION THEREOF	DEEPAK KUMAR	CENTRE FOR AUTOMOTIVE RESEARCH AND TRIBOLOGY	Material Science
AN ADJUSTABLE DUAL-AXIS HEADREST-MOUNTED ULTRASOUND IMAGING SYSTEM FOR SUBMENTAL TONGUE VISUALIZATION	BISWARUP MUKHERJEE	CENTRE FOR BIOMEDICAL ENGINEERING	Healthcare
NON-INTRUSIVE PASSIVE STRUCTURAL CONTROL SYSTEM FOR MULTI-HAZARD MITIGATION IN BUILDINGS DURING WIND AND EARTHQUAKE EVENTS	SURESH BHALLA	DEPARTMENT OF CIVIL ENGINEERING	Civil/Structural Engineering

SYSTEMS AND METHODS FOR QUANTUM CIRCUIT SIMULATION	SANTOSH SIVASUBRAMANM	CENTRE FOR SENSOR , INSTRUMENTATION AND CYBER-PHYSICAL	Communication
POLARIZATION-INDEPENDENT ANTI-RESONANT HOLLOW-CORE FIBER COUPLER	DEEPAK JAIN	OPTICS AND PHOTONICS CENTRE	Communication
FABRIC FOR SHIELDING ELECTROMAGNETIC INTERFERENCE (EMI), METHOD AND COMPOSITION THEREOF	SAMRAT MUKHOPADHYAY	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Fabrication
TWISTED AND RIGID ARYL-HETEROATOMIC COPOLYMER ANION EXCHANGE MEMBRANES, METHODS OF PREPARATION, AND APPLICATIONS THEREOF	BIJAY PRAKASH TRIPATHI	DEPARTMENT OF MECHANICAL ENGINEERING	Material Science
PROCESS OF MAKING A SINGLE-COMPONENT, BIO-BASED, REPROCESSABLE EPOXY NETWORK AND PRODUCT OBTAINED THEREOF	RAJIV KUAMR SRIVASTAVA	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Material Science
PROCESS FOR PREPARING THERMALLY INSULATING COMPOSITE FIBRES AND PRODUCT THEREOF	HARUN VENKATESAN	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Textiles
UNTETHERED ARTIFICIAL MUSCLE ACTUATOR	SUSHMA SANTAPURI	DEPARTMENT OF APPLIED MECHANICS	Mechatronics/Robotics
THERMAL BONDED NONWOVENS FOR EXTREME COLD WEATHER CLOTHING	RAJU SEENIVASAN RENGASAMY	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Textiles
FREE-SPACE OPTICAL COMMUNICATION (FSOC) SYSTEM	ABHISHEK DIXIT	DEPARTMENT OF ELECTRICAL ENGINEERING	Communication
SYSTEM AND METHOD FOR TRACKING AND ALIGNMENT OF FREE SPACE OPTICAL COMMUNICATION TRANSCEIVERS	ABHISHEK DIXIT	DEPARTMENT OF ELECTRICAL ENGINEERING	Communication

MAGNETIC CAPTURE-BASED MICROFLUIDIC CARTRIDGE FOR BIOMARKER QUANTIFICATION	RAVIKRISHNAN ELANGOVAN	DEPARMENT OF BIOCHEMICAL ENGINNERING AND BIOTECHNOLOGY	Healthcare
JOINING OR SEPARATING INTERCONNECTS OF BATTERY ASSEMBLY	ABHISHEK DAS	DEPARTMENT OF MECHANICAL ENGINEERING	Electric Vehicles
A HYBRID STRUCTURAL ASSEMBLY	ARNAB BANERJEE	DEPARTMENT OF CIVIL ENGINEERING	Civil/Structural Engineering
DEVICE FOR ASSEMBLY AND IN-SITU CHARACTERIZATION OF ELECTROCHEMICAL CELLS	MADHUSUDAN SINGH	DEPARTMENT OF ELECTRICAL ENGINEERING	Energy Management
NON-AQUEOUS ALUMINUM-ION BATTERY REFERENCE ELECTRODE AND PREPARATION METHOD THEREOF	ANIL VERMA	DEPARTMENT OF CHEMICAL ENGINEERING	Renewable Energy
MICROCONTROLLER-BASE D SERVO-LOCK LOOP SYSTEM AND METHOD FOR LASER FREQUENCY STABILIZATION	BODHADITYA SANTRA	DEPARTMENT OF PHYSICS	Communication
SYSTEM AND METHOD FOR PREDICTING AN OPTIMAL UPLINK CARRIER CONFIGURATION IN DUAL CONNECTIVITY	MONIKA AGGARWAL	CENTRE FOR APPLIED RESEARCH IN ELECTRONICS	Communication
NEAR-INFRARED PHOSPHOR	DALIP SINGH MEHTA	DEPARTMENT OF PHYSICS	Optics and photonics
FAR-RED PHOSPHOR	DALIP SINGH MEHTA	DEPARTMENT OF PHYSICS	Optics and photonics
SYSTEM AND METHOD FOR DETECTING ACTUATOR FAULTS AND ACTIVATING FAULT-TOLERANT CONTROL IN MULTI-ROTOR UAVS	HARIPRASAD KODAMANA	DEPARTMENT OF CHEMICAL ENGINEERING	Power Generation and Distribution
SYSTEM AND METHOD FOR CONVERTING WASTE COTTON TEXTILE TO CARBON CLOTH FOR ENERGY STORAGE DEVICES	BHANU NANDAN	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Energy Management

GRIT ARRANGEMENT MACHINE FOR PRECISE PLACEMENT OF ABRASIVE PARTICLES ON PLANAR AND CURVED SURFACES	SUNIL JHA	DEPARTMENT OF MECHANICAL ENGINEERING	Civil/Structural Engineering
REGENERATED CELLULOSE-BASED FIBROUS MEMBRANE SEPARATORS AND REGENERATED CELLULOSE THEREOF	ARCHANA SAMANTA	DEPARTMENT OF TEXTILE AND FIBRE ENGINEERING	Life Sciences
FLUID DISPENSING DEVICE AND ASSEMBLY	NAVEEN KUMAR SINGH	DEPARTMENT OF BIOMEDICAL ENGINEERING	Healthcare
ULTRA-SENSITIVE DUAL-MODE MULTIWALL CARBON NANOTUBE DOPED SELF-SENSING CONCRETE ELEMENT FOR STRUCTURAL HEALTH MONITORING AND PROCESS OF PREPARATION THEREOF	SURESH BHALLA	DEPARTMENT OF CIVIL ENGINEERING	Healthcare
SYSTEMS AND METHODS FOR COMPUTING A DEMENTIA SEVERITY INDEX FROM ELECTROENCEPHALOGRA	LALAN KUMAR	DEPARTMENT OF ELECTRICAL ENGINEERING	Life Sciences
A HABITAT SYSTEM	ARNAB BANERJEE	DEPARTMENT OF CIVIL ENGINEERING	Civil/Structural Engineering
AN OPTICAL WIRELESS COMMUNICATION SYSTEM	ABHISHEK DIXIT	DEPARTMENT OF ELECTRICAL ENGINEERING	Communication
WORD MAGIC WHEEL	JYOTI KUMAR	DEPARTMENT OF DESIGN	Civil/Structural Engineering
WORD MAGIC SLIDER	JYOTI KUMAR	DEPARTMENT OF DESIGN	Civil/Structural Engineering
PIPE INSPECTION ROBOT	VAMSI S. CHALAMALLA	DEPARTMENT OF APPLIED MECHANICS	Mechatronics/Robotics

TECHNOLOGY TRANSFER & COMMERCIALIZATION

FITT continues to drive the commercialization of intellectual property and technology through strategic licensing deals. This quarter saw seven key successes:

OCR-enabled documentation System:

Developed by Prof. Chetan Arora, this system enables efficient digitization and extraction of text from documents using advanced Optical Character Recognition (OCR) technology.

Date of Licensing: 1/06/2026

Multiuser ZAK-OTFS over CP-OFDM:

Developed by Prof. Saif K. Mohammad, this technology enhances wireless communication performance by enabling efficient multiuser transmission over advanced modulation frameworks.

Date of Licensing: 2/10/2026

Distal Upper Limb Rehabilitative VR-Module:

Developed by Prof. Amit Mehndiratta, this VR-based module supports rehabilitation of upper limb movements through immersive and interactive therapy solutions.

Date of Licensing: 2/27/2026

3D EDITOR:

Developed by Prof. Smruti Ranjan Sarangi, this tool enables advanced 3D design and visualization for efficient modeling and simulation.

Date of Licensing: 3/17/2026

PCB EDITOR:

Developed by Prof. Smruti Ranjan Sarangi, this editor facilitates precise and efficient printed circuit board (PCB) design for electronic systems.

Date of Licensing: 3/17/2026

TEJAS Architectural Simulator:

Developed by Prof. Smruti Ranjan Sarangi, this simulator provides a high-performance platform for modeling and analyzing computer architecture systems.

Date of Licensing: 3/17/2026

Vaporative Cooling Vest:

Developed by Prof. Dipayan Das, this wearable solution provides effective body cooling using evaporative technology, enhancing comfort in high-temperature environments.

Date of Licensing: 3/19/2026

NEWLY INCUBATED STARTUPS

Arnatura Solutions Pvt. Ltd. (Erstwhile Bettertoday Alternatives Pvt. Ltd.)

got incubated on **9th Jan '26** and developing plastic-free, biodegradable shellac-based coatings for sustainable food packaging. Their natural, microplastic-free aqueous dispersion provides water and grease resistance on paper without using plastic linings or PFAS.

Opti-Mode Diagnostics Pvt. Ltd.

got incubated on **12th Jan '26** and working on Optical Biopsy Kit for in-vivo, non-invasive, and rapid screening and diagnosis of oral and skin cancers. Technology offers high sensitivity and specificity at a low cost, enabling early detection and improved patient outcomes.

Verit AIWorx Pvt.Ltd.

got incubated on **30th Jan '26** and developing indigenous multi-agent, goal-driven AI solutions for predictive maintenance, performance optimization, and energy efficiency in strategic sectors such as defence, Railways, and infrastructure.

Currently at TRL 4, it is targeting pilots with DMRC, Navy, Corning, and Jio.

Earth Sense Labs Pvt. Ltd.

got incubated on **10th Feb '26** and is developing indigenous multi-agent, goal-driven AI solutions for predictive maintenance, performance optimization, and energy efficiency in strategic sectors such as defence, Railways, and infrastructure. Currently at TRL 4, it is targeting pilots with DMRC, Navy, Corning, and Jio.

Carbantis Cleantech Pvt. Ltd.

got incubated on **27th Feb '26**. Carbantis is an Indian climate-tech startup developing integrated systems that capture industrial CO₂ emissions and convert them into usable and storable thermal energy

Delosch Technologies Pvt. Ltd.

got incubated on **9th Mar '26**. Delosch Technologies' flagship solution, HR-Tek System, is a cognitive HR Digital Transformation and Decision Intelligence platform designed to simplify complex HR transformation journeys. Powered by AI, the platform enables organizations to make HR decisions that are faster, clearer, and evidence based.

Cuckoo Mobility Pvt. Ltd.

got incubated on **24th Mar '26** and is based on Portable EV (Electric scooter startup - Design, Manufacturing and Sales, Completely Made in India)

Logic boots Pvt. Ltd

got incubated on **26th Mar'26**. An AI-powered diagnostic platform using digital stethoscope recordings to predict: Heart disease (e.g., valvular disorders, heart failure, arrhythmia), lung disease (e.g., COPD, asthma, fibrosis, pneumonia)

STARTUP PORTFOLIO ACHIEVEMENTS

Hiclousia Innovation and Technical Solution Pvt. Ltd. (1/1/2026)

The startup has successfully developed a functional prototype for its tuberculosis (TB) detection solution. The system includes both the core diagnostic machine and an integrated testing module, designed to enable accurate and efficient screening.

Synchronous Drives Inverters Pvt. Ltd. (3/3/2026)

Featured in local C national news such as: DD News, Rajasthan Patrika, Dainik Bhaskar, GoG, SVNIT, Gujarati Jagaran, BTimes, DD Girnar, Surtis, helloentrepreneurs.com and more. We are developing indigenous EV technology stack: Hardware, Software, Semiconductors C AI.

Kashikari Textiles Pvt. Ltd. (1/9/2026)

Kashikari Textiles Pvt. Ltd. showcased its pineapple leaf fiber (PALF)-based sustainable textile innovations at a national exhibition in Guwahati in January 2026. The work received appreciation from Union Textile Minister Giriraj Singh and the Textile Secretary, who encouraged indigenous fiber extraction development and global exposure - marking a key milestone in advancing sustainable textile innovation in India.

Wobomi Ventures Pvt. Ltd. (3/2/2026)

The startup has successfully raised funding under the Startup India Seed Fund Scheme (SISFS)

Exobot Dynamics Pvt. Ltd.

An incubated deep-tech startup at AIC IIT Delhi, has emerged as a national winner at the FICCI-Mercedes-Benz India Bharat Innovation Business Ideas Challenge 2026 securing a prestigious ₹ 30 lakh award.

Samvidam Pvt. Ltd.

An incubated startup at AIC IIT Delhi, has secured ₹ 9.5 lakh in seed funding under the Startup Haryana initiative.

MAJOR ACHIEVEMENTS

Unnati AI Program (1/9,10/2026)

FITT-IIT Delhi, in collaboration with Microsoft, launched UNNATI AI, an AI-for Good accelerator supporting startups building scalable, impact-driven solutions, especially for Tier 2 and Tier 3 India. FITT-IIT Delhi, in collaboration with Itech Innovation Foundation, conducted a two-day residential FDP on AI Integration in Teaching for Integral University faculty.

- Startups Cohort Launch (1/9/2026)
- Faculty Development Session (1/9/2026)
- Industry Training Session with Bigship (1/10/2026)

Circulus Initiative Launch (3/22/2026)

FITT-IIT Delhi partnered with Circulus to launch a structured initiative aimed at building an investable pipeline of climate tech, cleantech, and deeptech startups.



DEFENCE INNOVATIONS

This quarter, FITT has significantly accelerated its role as a key intermediary for defence innovation, moving beyond academic research to field-ready security assets.

FITT Team visits NDIC

FITT-IIT Delhi participated in the National Defence Industries Conclave (NDIC) 2026 held at Manekshaw Centre, New Delhi, where DISC-14 and ADITI challenges were launched by Raksha Mantri Rajnath Singh.

TWT Initiative

FITT and iDEX-DIO signed a TWT agreement on **10 March 2026** to identify and assess emerging technologies in the Energy C Mobility domain. The partnership positions FITT as a strategic bridge between defence needs and startup innovation, enabling structured tracking of TRLs, milestones, and technology roadmaps aligned with Armed Forces requirements.

FITT Delegation visits

Tri-Services Delegation Visit (Jan 20): Hosted a high-level delegation from the Tri-services across Indian Army, Indian Air Force and Indian Navy.

The visit focused on deep-tech startups providing tactical solutions for the armed forces. A delegation of 45 members from Centre for Joint **Warfare Studies (CENJOWS)** attended the event and were displayed deeptech development.



ITBP Delegation Visit (Jan 20)

Hosted a high-level delegation from the Directorate General, **Indo-Tibetan Border Police (ITBP)**. The visit focused on deep-tech startups providing tactical solutions for border management and cold-climate operations. On **January 20, 2026**, FITT-IIT Delhi hosted a high-level delegation from the **Indo-Tibetan Border Police (ITBP)**,

led by **Sh. Rajesh Pandey, DIG (Tech s Comm)**, at the Research C Innovation Park. This visit served as a strategic engagement to bridge the gap between internal security requirements and indigenous deep-tech innovation. the ITBP team engaged with a cohort of iDEX - DIO-supported and FITT-incubated startups, exploring innovative technologies aligned with ITBP's operational and field requirements. The supported startups include :

- CYRAN AI Solutions
- Wireless 4 Scale Laboratory Pvt Ltd
- BotLab Dynamics
- MECHPHY A.W.E. ROBOTICS
- Indigotex Pvt. Ltd.
- Cerify



DEMO DAYS AND STARTUP SHOWCASE

Continuing with industry engagement FITT organized an interactive session with Ernst & Young (Aerospace & Defence), BlueHill, Katrela Ventures, India Accelerator and YourNest to explore funding opportunities for startups across diverse domains — from Unmanned Aerial Vehicles, Electrophysical Sensors to NextGen Communication, showcasing strong alignment between national security priorities, product maturity, and scalable deployment pathways. The interactive session facilitated valuable industry-startup engagement and collaboration. The participating startups included:

Assisto Technologies: Specializes in Natural Language Processing and machine learning
Mechphy AWE Robotics: Focuses on advanced simulation environments and the integration of IR sensors for precision robotic navigation.

Cyran AI: Develops cutting-edge artificial intelligence solutions, particularly for edge computing and real-time data processing.

Bramer Pvt Ltd: Drones for surveillance and reconnaissance

Unistring Technologies: Provides specialized electronic warfare suites and comprehensive Counter-Unmanned Aircraft Systems (CUAS).

Atima Corporation: Focuses on EV mobility solutions

Synergy Quantum: Develops quantum-secure communication protocols and encryption technologies for high-stakes data protection.

Omnipresent Robot Technology: A leading provider of robotics and industrial drone solutions for inspection, mapping, and surveillance.

Bravecore: Specializes in embedded systems and ruggedized electronics designed for harsh operational environments.

Trishulopulsion: Specialize in development of propulsion systems for Space assets

Mobisec Technologies: Provides mobile security frameworks and secure software-defined communication tools for enterprise and defense.

These demo days aim to foster collaboration, promote innovation, and strengthen the engagement between startups and the defence technology ecosystem.

STARTUP PORTFOLIO ACHIEVEMENTS

Coreshield Seed Round Raise

CoreShield Technologies, a FITT-IIT Delhi incubated startup, has raised a seed round led by ThinKuvate to scale its AI-driven defence solutions. With its PULSE platform and strong iDEX backing, the startup is advancing predictive analytics and command systems for the Indian Armed Forces, moving toward global leadership in sovereign defence technology.

Navyug Infosolutions Pvt. Ltd.

Navyug Infosolutions Pvt. Ltd. has secured Indian Army orders for its advanced IFF system, enabling accurate target identification using existing LRF

DeepLase Technologies completes Seed Round led by MGF Kavachh and Yali Capital

DeepLase Technologies, an IIT Delhi-incubated startup, has raised ₹6 crore in seed funding led by Mounttech Growth Fund – Kavachh and Yali Capital. The funding will support scaling of its optical fiber and photonics technologies, accelerating commercialization across sectors like industrial automation, communications, and healthcare.



Cyran AI and Coreshield invited to CENJOWS

Cyran AI and CoreShield delivered guest lectures at the Centre for Joint Warfare Studies (CENJOWS), engaging senior defence leadership and highlighting their transition from incubation to operational relevance. While Cyran AI focused on Edge AI for threat detection, CoreShield addressed electronic warfare and communication systems. Cyran AI also showcased its AI-native geospatial solutions at the Thailand Defence C Security Conclave, demonstrating real-time, cloud-independent battlefield intelligence capabilities.

Unistring Tech Solutions (UTS) secures contract

Unistring Tech Solutions (a subsidiary of Zen Technologies) secured a ₹30.01 crore contract from DRDO for the development of advanced Electronic Warfare systems. This milestone reflects the strength of indigenous innovation and the impact of deep-tech startups in advancing defence capabilities.

Seven Rounds Defender (7RD) showcase in Gandhinagar

Seven Rounds Defender (formerly Sky Intel Drones) showcased its advanced aerial defence systems at GCCI GATE 2026 in Gandhinagar. The milestone reflects the startup's evolution from surveillance to active combat technologies, strengthening India's defence capabilities.

DRDO delegates visit Bravecore Pvt Ltd

Dr. Samir V. Kamat (Chairman, DRDO) and **Dr. D. Seshagiri (Director, NPOL)**, accompanied by senior DRDO delegates, visited the facilities of **Bravecore Private Limited**. The visit served as a platform for the startup to demonstrate its technical capabilities and align its RCD with national defense priorities. Co-founder **Atul Dharan** presented Bravecore's progress in developing high-performance robotics and drones designed for modern combat environments. By hosting the highest level of DRDO leadership, Bravecore has reinforced its position as a key contributor to India's "**Aatmanirbhar Bharat**" mission in the robotics and autonomous systems (RAS) domain.

MOU SIGNINGS

MoU Signing between FITT, IIT Delhi and WAVEXcelerator

FITT-IIT Delhi signed an MoU with WAVEXcelerator under the Ministry of Information & Broadcasting to support the WaveX Program. The collaboration enables mentorship, research access, and innovation support from FITT, alongside policy backing and funding from WaveX, strengthening the media and entertainment startup ecosystem.

MoU Signing between FITT, IIT Delhi, Masai and iKITES

FITT-IIT Delhi signed MoUs with Masai and iKITES to promote innovation-led learning and entrepreneurship. The collaboration will offer pre-incubation programmes, mentorship, and career readiness support, strengthening industry-academia engagement and startup development.

EVENTS

Key Events from January to March 2026:

- **AI Impact in Biotech & MedTech (1/9/2026)** — FITT-IIT Delhi and HS Foundation hosted the AI Impact Summit 2026 Pre-Summit Dialogue (BioSpark Program), bringing researchers, startups, investors, and industry leaders together to explore AI-driven innovation in biotech and medtech.
- **WAVEX Startup Mixer & Cohort Launch (1/22/2026 & 3/4/2026)** — FITT partnered with WaveX, the Ministry of I&B's media-tech accelerator, as Master Incubator, launched the WaveX Incubator at IIMC Delhi, and selected 8 startups for mentorship, IP support, and industry collaboration.



- **Mentor-Startup-Investor Immersion 2026 (2/3/2026)** — Brought startups, mentors, and investors together to foster mentorship, strategic partnerships, networking, and investment across deeptech, climate tech, and healthtech.
- **Microsoft Philanthropies Visit (2/9/2026)** — Hosted Microsoft Philanthropies India leaders under the Unnati AI Program, giving founders a platform to showcase innovations and gain insights on scaling AI-driven impact.
- **Venture Connect – Turning (2/9/2026)** — Weekly Venture Connect edition pairing high-potential startups with investors (incl. Shourya Yarnal, Mohiie Pokhriyal, Pawan Raj Kumar) through curated showcases and 1:1 interactions; 10 startups pitched.
- **Kotak BizLabs Bootcamp (2/11/2026)** — A day of learning and pitching for the Kotak BizLabs cohort, with sessions on fundraising, legal readiness, investor expectations, compliance, and cybersecurity led by Kotak and FITT experts.
- **Israel Delegation Visit (2/13/2026)** — Hosted representatives from the Israeli Embassy, Ministry of Education, Reichman University, and Israel's National Digital Agency for solution-focused discussions with EdTech and AI startups.
- **AI Training & Faculty Capacity Building (2/19/2026)** — Delivered Power BI/Copilot training for IMS Ghaziabad students and an AI-in-classroom capacity-building session for faculty, under the Unnati AI Program.
- **Startup Mentorship Series (3/9/2026)** — FITT, IIT Delhi convened builders, policymakers, researchers, and entrepreneurs on 21 February 2026 at the Research C Innovation Park for the session “AI + Kumbh: An Agentic Approach for Mass Gatherings.” The session featured voices including Prof. Ramesh Raskar, Dr. Nikhil Agarwal, Pravin Gedam, and Shekhar Singh
- **IIT Delhi Alumni Leadership Conclave (3/21/2026)** — Participated in the Conclave, convening distinguished alumni, policymakers, and industry leaders.
- **AI Innovators Exchange (2/16/2026)** — Led a panel at the India-AI Impact Summit 2026 (Bharat Mandapam) on accelerating innovation through startup-industry synergy, featuring senior voices across tech, investment, and policy.
- **AI + Kumbh Session (2/21/2026)** — Convened builders, policymakers, and researchers to discuss Agentic AI for mass gatherings, framed as an early blueprint toward Kumbh 2027.
- **Pre-Incubation Program (TETR College) (3/11/2026)** — Delivered a batch-wise Entrepreneurship Readiness Program for ~200 TETR College students. It was 5-day intensive sessions with case studies, founder/investor interactions, campus visits, and capstone projects.
- **MSME Skill Development Programmes (Feb–Mar 2026)** — MSME-backed training (ADV-ESDP, ADV-MDP, MDP, ESDP, EAP), training 1,300+ innovators across AI/ML, Agritech, Biotech, E-Commerce, and BPO.
- **Demo Day (3/17/2026)** — Hosted startups from across FITT programs pitching to an investor panel, with feedback and funding/collaboration opportunities.

AIC UPDATES :



SONIPAT STARTUP SUMMIT 4.0

- The Sonipat Startup Summit 4.0 was a two-day flagship innovation and entrepreneurship event organized on 12th & 13th February 2026 at IIT Delhi Sonipat Campus, bringing together startups, investors, industry leaders, policymakers, and academia on a common platform. The summit featured a comprehensive agenda including startup expo, product launches, keynote sessions, panel discussions, and hands-on workshops, with a strong focus on deep-tech innovation and “lab-to-market” transition. A key highlight of the event was multi-track pitching sessions covering incubation, investor fundraising, and corporate programs (Bharat Safety & Bharat Byte), enabling startups to engage directly with investors and ecosystem enablers. The event also facilitated high-value networking, technology showcase visits, and strategic discussions on scaling, funding readiness, and intellectual property.

Outcome:

The event witnessed an impressive footfall of 2000+ attendees, featuring 90+ product showcases and participation from 60+ investors along with 200+ distinguished guests. Over 100 startups pitched across multiple tracks, including 25 incubation pitches (with 11 startups selected), 25 investor pitches (12 startups connected with investors), 28 Bharat Safety Program pitches (top 10 shortlisted), and 25 Bharat Byte Program pitches (top 10 shortlisted for the final round).

Incubated Startups Achievement

Exobot Dynamics Private Limited, an incubated deep-tech startup at AIC IIT DELHI, has emerged as a national winner at the FICCI-Mercedes-BenzIndia **Bharat Innovates & Business Ideas Challenge 2026** securing a prestigious ₹ 30lakh award.

Samvidam Private Limited, an incubated startup at AIC IIT DELHI, has secured ₹ 9.5 lakh in seed funding under the Startup Haryana initiative.



Foundation for Innovation and Technology Transfer
Indian Institute of Technology Delhi | Hauz Khas, New Delhi-110016
www.fitt-iitd.in | E-mail: mdfitt@fitt.iitd.ac.in
Phone; +91 11 26857762, 26597167, 26597164, 26597289, 26597153