



SOCH TO SCALE

Quarterly Newsletter

OCT-DEC 2025



R&D Projects & Partnerships

Collaborative R&D |
Technology Development |
Expert Consultancy

Skill Development Programs |
Workshops & Conferences

Industry |
Government | Academia |
Multilateral Organizations |
CSR Funding



Intellectual Property & Technology Transfers

IP Analytics & Due Diligence |
IP Filings & Management |
IP Audits

Technology Scouting |
Match-making |
Technology Transfers & Licensing

IP Awareness |
Techno-legal Support



Incubation & Entrepreneurship

Infrastructure |
Lab/Office Space |
Specialized Equipment |
Access to IITD Labs

Technical Mentoring |
Business Mentoring

Business & Market Connects |
Investor Connects |
Networking | Funding Support



Research & Innovation Park

Managed Facility for creating
a knowledge and innovation
ecosystem

Spaces for corporates in
manufacturing, R&D, D&D,
Process Engineering

Auditorium | Meeting/
Conference Rooms | Training
Rooms | Service Apartments

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 October to December 2025, FITT led

28 R&D, technology development, and consultancy projects, securing an impressive ₹49 crore in funding. These efforts go beyond mere numbers—they showcase a dynamic

ecosystem of innovation, teamwork, and advancement, creating significant positive impacts across various industries.

Notable projects initiated during this period:

Project Title	Company
Multi-tiered AI and data management training for Defence Personnel of Northern Command	Northern Command Headquarters, Udhampur
Development of an alert-based knowledge management system	Ministry of Home Affairs
Project ABHAY Saarthi for Truck Driver Vision and Wellbeing (ABHAY SAARTHI PROGRAM)	M/o Road Transport & Highways
Construction of Common Central Secretariat Building 6 and 7—MEP works	Central Public Work Dept.
Emissions and Relative Contribution of the Construction Sector to Air Pollution in Delhi NCR: Scientific Insights for Refining GRAP	Confederation of Real Estate Developers Associations of India
Development of an Indian Plastic Credit Framework for Plastic Recycling	Novuscom Global Private Limited
EV Battery Pack Development Using Cancrie Carbon-based cells	Cancrie Pvt. Ltd.
Development of an IIoT isolated bridge network system between DCS and uploading data to cloud network	MSP Steel & Power Ltd
Accelerating the acceptance of LC3	New Venture Fund
Rockfall protection at NHPC Chamera Dam-III at Chamera Thalla in the State of Himachal Pradesh	NHPC (Chamera Project)

Major R&D Partners/Industries:

Sector	Company
Heavy Engineering & Power Equipment	BHEL FSI Jagdishpur
Advanced Materials & Radiation Shielding	Akashabdh Private Limited
Industrial Networking & Telecom Infrastructure	Belden India Pvt Ltd.
Urban Development & Real Estate	Confederation of Real Estate Developers Associations of India
Textiles & Process Innovation	Vardhman Textiles Limited
Sustainability & Climate-Tech	New Venture Fund
Circular Economy & Plastic Recycling	Novuscom Global Private Limited
Industry 4.0 & Industrial Digitalization	MSP Steel & Power Ltd
Electric Mobility & Energy Storage	Cancree Pvt. Ltd.
Automotive Safety Systems	ZF Commercial Vehicle Control Systems India Limited

Intellectual Property & Technology Transfer

As the intellectual property asset management arm of IIT DELHI, FITT filed 32 IP applications from October to December 2025.

List of IP applications filed during OCT-DEC 2025:

S. No.	Title	Inventor (Prof)	Department/Centre	Technology areas for Classification-end use
1	Carbon-Blend Sulfur Cathode for Room-Temperature Sodium-Sulfur Battery	Vipin Kumar	Energy Science and Engineering	Electric Vehicles
2	Rotating Bending Fatigue Testing Machine and Method of Conducting a Rotating Bending Fatigue Test	Lakshmi Narayan Ramasubramanian	Material Science and Engineering	Machines and Machinery Processes
3	Ingestible Device and Process for Collecting Gastrointestinal Samples	Sarvesh Kumar Srivastava	Biomedical Engineering	Healthcare
4	Ingestible Device and Process for Collecting Gastrointestinal Samples	Sarvesh Kumar Srivastava	Biomedical Engineering	Healthcare
5	Anti-Microbial Peptide for Combating Multidrug-Resistant Ocular Infection	Archana Chugh	Kusma School of Biological Sciences	Life Sciences
6	A Clamping Assembly for a Heatsink	Sumit Pramanick	Electrical Engineering	Machines and Machinery Processes
7	An Apparatus for Yarn Plying Process and a Method Thereof	Saiyed Muzaffar Ishtiaque	Textile and Fibre Engineering	Textiles
8	Brushless Interior Permanent Magnet Synchronous Motor	Amit Kumar Jain	Electrical Engineering	Motors
9	A System and a Method for Generating an Engineered Beam for Speckle Reduction	Kedar Bhalchandra Khare	Optics and Photonics	Optics and Photonics
10	A Sub-Volt Low Dropout Regulator with feedback Resistors shared by an Integrated Single-Bjt Voltage Reference	Shouri Chatterjee	Electrical Engineering	Power Generation and Distribution
11	mRNA-Based Formulations with Improved Stability	Anurag S Rathore	Chemical Engineering	Life Sciences

S. No.	Title	Inventor (Prof)	Department/Centre	Technology areas for Classification-end use
12	Digital Potentiometer Controlled Droop-Based Power Sharing System for DC Microgrids	Viiresh Dutta	Energy Studies	Power Generation and Distribution
13	Polyols for The Development of Self-Healing Polyurethanes	Josemon Jacob	Material Science and Engineering	Life Sciences
14	Method for Characterizing Inductances of Synchronous Reluctance Motors and Permanent Magnet Synchronous Motors	Amit Kumar Jain	Electrical Engineering	Motors
15	AI-Integrated Intelligent Viewbox and Method for Diagnostic X-Ray Imaging and Clinical Decision Support	Deepak Joshi	Biomedical Engineering	Healthcare
16	Device for Non-Invasive Tissue Expansion	Deepak Joshi	Biomedical Engineering	Healthcare
17	System and Devices for Sample Collection	Deepak Joshi	Biomedical Engineering	Healthcare
18	System and Method for Automated Hair Follicular Unit (FU) Graft Processing and Handling	Deepak Joshi	Biomedical Engineering	Life Sciences
19	Smartphone-Based Multi-Biomarker Detection System and Method Using Colorimetric Image Analysis	Satish Kumar Dubey	Sensors, Instrumentation and Cyber Physical System Engineering(Sense)	Healthcare
20	A Pressure Sensing Device and a Method for Spatial Mapping of Pressure Distribution	Dhiman Mallick	Electrical Engineering	Fabrication
21	A Catalyst, a Process for Preparation Thereof and an Integrated Carbon Capture Process	Sreedevi Upadhyayula	Chemical Engineering	Material Science
22	Electro-Mechanical Damper	Vasant Matsagar	Civil Engineering	Machines and Machinery Processes
23	A System and an Implantable Ocular Device for Suprachoroidal Drug Delivery	Priya Vashisth	Biomedical Engineering	Healthcare
24	An Acoustic Emission Waveguide System and Method of Operating Thereof	Prashanth Vangla	Civil Engineering	Communication
25	Thumb Pin	Sabyasachi Paldas	Design	Others
26	Micro-Plasma Emitting Device for Fluid Sample Analysis	Bhaskar Mitra	Electrical Engineering	Communication
27	Multi-Code Walsh Multiplexing for High Spectral Efficiency in Li-Fi Networks	Abhishek Dixit	Electrical Engineering	Communication
28	Fusion Proteins for Enzyme Immobilization	Bishwajit Kundu	Kusuma School of Biological Sciences	Life Sciences
29	A pH Sensing Device and Method for the Fabrication Thereof	Ankur Goswami	Material Science And Engineering	Fabrication
30	Electro-Optic Frequency Comb Generation Based on Hybrid Genetic Optimization Technique	Amol Choudhary	Electrical Engineering	Communication
31	A Fluoride-Free Hydrothermal Synthesis of Ti-Cha Zeolite Via Interzeolitic Conversion of Titanated Zeolite	Manjesh Kumar	Chemical Engineering	Material Science
32	Method and Device for Preventing Side-Channel Leakages in a Neural Network	Smruti Ranjan Sarangi	Computer Science And Engineering	Communication

Technology Transfer & Commercialization

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

1. Orthopedic Screw Licensing

- Developed by Prof. Dinesh Kalyanasundra, this polymer-metal hybrid screw offers enhanced mechanical strength and biocompatibility. It was licensed to *VJ Surgicare Pvt. Ltd.*

Date of Licensing: 26th Nov, 2025



2. Hybrid Ocular Port Licensing

- Also developed by Prof. Dinesh Kalyanasundra, this implantable device for retinal disease treatment was licensed to *Pricon Meditech Pvt. Ltd.*

Date of Licensing: 26th Nov, 2025



Newly Incubated Startups

Araina Aggressive Pvt. Ltd.

Incubated on: Wednesday, 12 November 2025

Araina, a deep-tech defence startup developing a military-grade Free Space Optics (FSO) communication system for ultra-high-speed, long-range data transfer by CEO & Co-founder, Nalin Kohli. In collaboration with IIT Delhi, Araina is building a custom solution for the Indian Army capable of 20 Gbps transmission over 20 km. The company also designs and manufactures advanced defence electronics, including secure radio communication systems and next-generation Wi-Fi 6.0 solutions for mission-critical connectivity.

Bramer Pvt. Ltd.

Incubated on: Wednesday, 12 November 2025

Bramer is developing a modular, end-to-end autonomous mobile robotics (AMR) stack for defence and industrial automation. Its platforms—Ranger AAV and Warden AGV—deliver full-spectrum autonomy with mission-specific payloads, powered by CORE OS and a scalable, plugin-based command-and-control system. The company also builds long-endurance hybrid multirotor RPAS for defence, optimized for rugged operations, persistent surveillance, and rapid deployment.

Laasha Life Technologies Pvt. Ltd.

Incubated on: Monday, 27 October 2025

Laasha is focused on biodegradable medical devices and point-of-care diagnostics to reduce import dependence and strengthen sustainable healthcare. Its solutions enable fast, accurate testing with enhanced patient safety, supported by integrated R&D services and a rapid delivery network.

Varnika Energy Pvt. Ltd.

Incubated on: Friday, 31 October 2025

Varnika Energy is building an on-demand, mobile, and green EV charging ecosystem. With grid-independent, fast-charging solutions offered under a “Charge as a Service” model, the company aims to accelerate EV adoption by providing sustainable, capital-light charging infrastructure for fleets and urban mobility.

Wobomi Ventures Pvt. Ltd.

Incubated on: Tuesday, 23 December 2025

Wobomi is developing an herbal inhalation solution for nicotine de-addiction. Its unique formulation activates the brain’s GABA receptors to ease withdrawal and promote relaxation, while advanced nano-filter technology ensures clean, safe, and effective delivery of calming vapours.

FITT Achievements: Pushing Boundaries

Divergence AI Private Limited

Divergence AI won the *Best Use Case of AI in Collections* at the Collection & Resolution Summit 2025 hosted by Insightnr. They also played a leading role as a Moderator and Speaker at the summit, sharing insights on compliant and tech-driven collection practices.



GroKalp H2CNT Pvt. Ltd.

GroKalp H2CNT Pvt. Ltd. successfully established its pilot production facility in Jodhpur. The company also received its first export order, signaling growing global confidence in its technology.

Easiofy Solutions Pvt. Ltd.

Easiofy got featured in the national edition of RSS Magazine *Organiser*. They were recently granted a patent, marking a significant step in strengthening its IP portfolio.

inGO Electric Pvt. Ltd.

inGO secured a purchase order for 1,200 electric vehicles, advancing its commercial growth in the electric mobility space.

VyomOS Private Limited

VyomOS demonstrated its autonomous drone platform, showcasing a fully functional "Dark Drone" capable of operating in GPS-denied and electronic warfare environments.



Thought2Design Systems Private Limited

Thought2Design designed an end-to-end jet engine prototype using its in-house 3D CAD platform and showcased a 3D-printed working model before the Hon'ble Union Minister. Also advanced its Market Simulator (MSiM) across multiple sectors.



ENSURING 'EASE' OF HEALTHCARE

Led by a team of visionary women entrepreneurs, Easiofy Solutions specialises in advanced medical technology that makes healthcare accessible and affordable for every patient living in remote corners of Bharat. It provides healthcare in a way that even Doctors based in North East are able to analyse scans and plan treatments locally

Easiofy Solutions is redefining the future of healthcare with the power of Artificial Intelligence (AI) and Augmented Reality (AR). The company is at the forefront of medical imaging and treatment planning, helping Doctors visualise, plan, and treat diseases with unmatched speed and precision.

Founded and led by a team of visionary women entrepreneurs, who operate from Greater Noida, Easiofy is driven by one mission - to make advanced medical technology accessible and affordable for every patient, everywhere. Easiofy represents India's growing strength in deep-tech innovation with compassion and purpose.

CHALLENGE TO SAVE LIVES

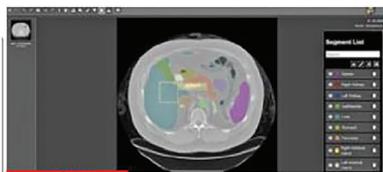
In cancer treatment, every day matters. Across India, thousands of patients face delays of two to four weeks between diagnosis and treatment planning.

These delays occur due to a shortage of specialists, manual and fragmented systems. Every extra week can mean the difference between recovery and relapse.

Easiofy saw this not just as a technical problem but as a human and national challenge -one that demanded innovation born in India, for India.

Easiofy's ImagiXAI is an advanced AI-powered platform that transforms how Doctors analyse scans and plan treatments.

Trained on over 5 million medical images, it interprets CT, MRI, and PET scans, identifies tumors and organs at risk (OARs), and creates 3D visualisations using AR.



EASIOFY

Easiofy was born from the realisation that delays in cancer and TB diagnosis can mean the difference between recovery and relapse.

2 CRORES

SECRET OF SUCCESS

Team work

JOB CREATION

About 20

HQ

Noida, UP

ACTIVITIES

Cloud based PACS system.

AI-driven analysis of CT/MRI/PET scans for Radiation therapy and surgery planning, 3D reconstruction for Tumors and Organs at Risk visualisation, Chest X-ray TB screening

These models support radiation therapy, dosage planning, and surgical preparation-reducing work that once took weeks to just a single day.

Manual 90-minute tasks now take 15 minutes, leading to faster, safer treatments and improved patient outcomes.

AI-POWERED CLINICAL DECISION SUPPORT (CDSS) IN ACTION

Easiofy's ImagiXAI functions as a Clinical Decision Support System (CDSS) that empowers doctors throughout the diagnosis and treatment process.

The system's "human-in-the-loop AI" approach ensures that AI works with doctors, not instead of them, combining the precision of algorithms with human judgment.

BRIDGING URBAN AND RURAL HEALTHCARE

Easiofy's innovation extends beyond metros, reaching district hospitals in the North East and other underserved regions where access to specialised oncology care is limited. Its cloud-based platform enables Doctors

Synchronous Drives & Inverters Private Limited

Synchronous Drives & Inverters received MeitY approval for EDA tool support under the Design Linked Incentive (DLI) scheme, strengthening access to advanced tools and accelerating innovation in EV and semiconductor technologies.

Tech Stack & Collaborations

Synchronous Drives & Inverters Private Limited

Supported by:

Technology Stack:

• Google	• SIEMENS	• Altium
• Mathworks	• Texas Instruments	• Cadence
• Wordpress	• Renesas	• Synopsys
• Eclipse	• CDAC	• PCB Power

Official Partners:

Supported by:

Trishul Space

Trishul Space successfully raised pre-seed funding under the Build 4.0 program in collaboration with Boeing to support early-stage growth and space technology development.

Indigotex Private Limited

Indigotex raised ₹1 crore through FIF and received a preliminary term sheet from IAN, reflecting strong investor confidence and progress toward closing its seed funding round.

Defence Innovations

Crimson Energy Powers Maritime Intelligence

The Indian Navy signed a strategic contract with Crimson Energy Experts Pvt. Ltd. for *Project Deepdarshak*, a fully indigenous AI/ML-based maritime analytics platform. This collaboration, supported by FITT, strengthens operational decision-making and enhances maritime security.



Unistring Tech Solutions Pvt. Ltd.

Unistring secured a ₹57.2 crore order from a leading Defence PSU, fortifying India's Electronic Warfare capabilities with indigenous solutions aligned with the Atmanirbhar Bharat vision.



Highlights

AIC IIT Delhi Sonipat Innovation Foundation

During the quarter, AIC IIT Delhi strengthened its innovation ecosystem through new startup incubations and ₹1.8 crore in early-stage funding via SISFS and the AIM Seed Fund. The period saw enhanced industrial and academic collaborations, including strategic engagement with Cadence, and continued outreach through initiatives like Bharat Byte Sponsored by Honda to promote innovation awareness.

Launch of FITT Corporate Film

FITT unveiled its new Corporate Film, produced by the Media Team and launched on YouTube on 19th November 2025, showcasing the vibrant innovation ecosystem at IIT Delhi. The film highlights FITT-incubated startups, state-of-the-art laboratories, incubation infrastructure, and the upcoming Research & Innovation Park, capturing FITT's role in enabling technology commercialization and entrepreneurial growth.

MoU Signings

MoU & Workshop with DST-CPR, Panjab University

On 9 October 2025, FITT signed an MoU with DST-CPR, Panjab University to strengthen IP management and technology transfer. The workshop featured sessions on Technology Transfer, patent filing processes, and an IP Clinic providing personalized guidance to innovators.





Kotak MoU & Roadshows (October–November 2025)

FITT partnered with Kotak BizLabs, a CSR initiative by Kotak Mahindra Bank to support over 75+ startups through mentorship, funding, and incubation.

MoU with Maruti Suzuki Quest for Clean Air

FITT has partnered with Maruti Suzuki India Limited (MSIL) through an MoU to launch *Quest for Clean Air* - a CSR initiative focused on identifying and scaling innovative solutions for air quality improvement and emission reduction. The program bridges startups and researchers with industry mentorship and pilot deployment opportunities, aiming to deliver impactful, real-world solutions for cleaner, healthier cities.

MoU with IDFC First Bank:

IDFC FIRST Bank has signed an MoU with FITT-IIT Delhi to launch IGNITE, a CSR-backed initiative supporting deeptech startups in areas like climate tech and responsible AI. The program offers up to ₹30 lakh in grants per startup, aiming to bridge the early-stage funding gap.

Events

Key Events from October to December 2025:

Microsoft Discussion | 9 October 2025

Engaged startups across sectors to explore how AI can drive social good.

FITT-IIT Delhi Ignite Mixer | 3 November 2025

50+ startups participated in this IDFC First Bank CSR initiative, designed to amplify the social impact of technology-driven ventures.

Unnati AI: India-Korea Startup Exchange | 20 November 2025

- o Strengthened cross-border collaborations between Indian and Korean startups, fostering international synergies.

Unnati AI – K-AI Forum 2025 | 21 November 2025

- o Co-organized by FITT, this forum discussed “AI for India: Solving Problems with Scalable Tech” with stakeholders from both India and Korea.

MACHMA Expo 2025 – NBM-RTTO Technology Showcase (21-22 November 2025)

- o Featured eco-friendly bioplastics, flood mitigation systems, and portable air purifiers, showcasing FITT’s commitment to sustainable innovation.

FITT Pavilion at MACHMA Expo 2025

FITT-IP ज्ञानशाला (November 2025)

Featured expert-led workshops on technology-to-market pathways, IP-driven valuation, and funding readiness, providing actionable insights for startups navigating the transition from research to commercial success.



IP Awareness Session at IIT Delhi

FITT organized an insightful IP Awareness Session titled “Breaking the Myth - Only Pathbreaking Innovations Can Be Patented” on November 11, 2025, at IIT Delhi, delivered by Mr. Pulkit Doger, Partner at Rahul Chaudhry & Partners, and attended by an enthusiastic group of faculty members, students, and researchers. The session offered practical clarity on patenting fundamentals, covering the patentability checklist, an overview of the Indian Patent System, non-patentable subject matter under Sections 3(f), 3(k), and 3(m) of the Indian Patents Act, and illustrative examples of incremental innovations that have successfully been granted patents, thereby helping demystify the process and encouraging wider engagement with intellectual property protection.

Demo Day with Zoom Communications

FITT organized an interactive Demo Day with Zoom Communications on 4 November 2025, which focused on funding opportunities across AI, Cybersecurity, Simulation, and Electronic Warfare.

Participating Startups:

- Collaborative Intelligence Pvt. Ltd. (AI)
- Mecphy AWE Robotics Pvt. Ltd. (Simulation)
- Omnipresent Robot Technology Pvt. Ltd. (AI)
- Cirus Defence Pvt. Ltd. (Electronic Warfare)
- Mobisec Technologies (Cybersecurity)

Vijay Diwas Showcase | 16 December 2025

On the eve of Vijay Diwas, CYRAN AI Solutions, a leading FITT iDEX deep-tech startup, showcased its AI-driven defence technologies at the prestigious Army House Reception. The event was attended by the Hon’ble President of India, Smt. Droupadi Murmu, and the Hon’ble Defence Minister, Shri Rajnath Singh, highlighting the role of AI in enhancing national security.



Swadeshi Empresa Pvt. Ltd.

- **Showcase:** An Autonomous Firefighting Bot by Swadeshi Empresa Pvt. Ltd. was demonstrated, designed for firefighting in high-risk and combat environments, and supported by FITT’s iDEX-aligned incubation framework.



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