



Three Day Workshop on

Research 2 Market

 **Aug 25-27, 2022**

 **Marasa Sarovar Premiere,
Tirupati**

Who can attend?

- Research Scholars
- Faculty
- Start-ups/ Young Professionals

Registration fees

- Scholars - ₹ 3000
- Faculty - ₹ 5000
- Start-ups - ₹ 7500

 <https://iittnif.com>



Over view

Technology-based entrepreneurship and the transition of technologies from universities to the industry are critical to realizing the benefits of creating economic and social benefits from the research outcomes of universities in India. This requires active participation from faculty, students, business experts, and industry. This program aims to equip the participants with the ability to take their research to the market. Using hands-on case studies and discussions, the program will take the participants through the different stages of the journey and ways to navigate the challenges along the way

Register Now

<https://iittnif.com/registration>

₹

COST

(Research Scholars/ Faculty)

Registration: Expected to bear their own

Travel & Accommodation: The expenses of accepted participants will be covered by TIH

*(Travel: Faculty - Shortest Route, First class A/C train fair;
Scholars - Shortest Route, Two Tier A/C train fair;
Scholars' accommodation will be on a twin-sharing basis)*

₹

COST

(Start-ups/ Young Professionals)

Expected to cover their own expenses for travel and accommodation

Complimentary breakfast is covered in hotel accommodation. Lunch will be provided by IITTNIIF.

Topics

- Idea generation
- Systematic derisking - Research to market journey
- Defining value proposition
- Technology development Vs product development
- Business model canvas
- Team building & ecosystem factors
- Intellectual property management
- Financing & venture
- Panel discussion

COORDINATORS

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TIH at IIT Tirupati

Positioning and Precision Technologies (PPTs) are indispensable tools for monitoring, integrating, and analyzing spatially and temporally distributed resources to aid in effective decision-making across multiple domains. These technologies include remote sensing (non-invasive), Geographical Information Systems (GIS), and Global Positioning Systems (GPS). The Technology Innovation Hub (TIH) primarily focuses on Public Private Partnership (PPP) model to generate revenue through (i) Research and development sponsorship from industries, government, and start-ups in form of innovative products and services in PPT; (ii) linkage with industries, accelerators, and Venture Capital to create funding ecosystem; (iii) training and consulting; (iv) standards development and policy creation for rapid adaptation of PPT across various stakeholders; and (v) databank creation across strategic areas of PPT. IIT Tirupati Navavishkar IHub Foundation (IITTNiF), a not-for-profit Section-8 company, is set up to host the Technology Innovation Hub (TIH) in Positioning and Precision Technologies (PPT). For more details please visit: <https://iittnif.com>

Core Areas: Atomic Clock, Defense, Indoor Navigation, Radio Frequency, Data Science, Image Processing

Applied Areas: Precision Agriculture, Disaster Management, Navigation, Smart Cities and Villages, Policy and Legal Framework

Major Objectives of TIH



**TECHNOLOGY
DEVELOPMENT**



**HUMAN RESOURCE
DEVELOPMENT**



**START-UP
ECO SYSTEM**



**INTERNATIONAL
COLLABORATION**



**SKILL
DEVELOPMENT**

About NM-ICPS

Cyber-Physical Systems (CPS) are a new class of engineered systems that integrate computation and physical processes in a dynamic environment. CPS encompasses technology areas of Cybernetics, Mechatronics, Design and Embedded systems, Internet of Things (IoT), Big Data, Artificial Intelligence (AI), and many more. The CPS systems are intelligent, autonomous, and efficient and are expected to drive innovation in sectors as diverse as agriculture, water, energy, transportation, infrastructure, security, health, and manufacturing. Thus, it is heralded as the next paradigm shift in technology that can exponentially spur growth and technology-led economic development

To harness the potential of this new wave of technology and make India a leading player in CPS, the Union Cabinet approved the National Mission on Interdisciplinary CyberPhysical Systems (NM-ICPS) to be implemented by DST with a total outlay of Rs.3660 crore for a period of five years. The Mission aims to create a strong foundation and a seamless ecosystem for CPS technologies by coordinating and integrating nationwide efforts encompassing knowledge generation, translation research, technology, product development, human resource development, innovation & commercialization standards, and international collaborations. The Mission is implemented through a network of 25 Technology Innovation Hubs (TIHs) established across the country. Each hub will follow a technology life cycle approach, addressing all stages viz—Knowledge Development-Translation-Commercialization in their assigned Technology Vertical. The hubs will be equipped and supported to function independently as stand-alone entities. However, they would leverage each other's strengths and power of collaboration to produce synergistic outcomes