



IIT Tirupati Navavishkar I-Hub Foundation (IITTNiF)

IITTNiF CHANAKYA Graduate Internship

About CHANAKYA-Graduate Internship

IITTNiF, DST and IIT Tirupati believe that human resource development has to be the heart of the NM-ICPS which includes encouraging and involving students and faculty of the technical institutes to solve industry problems, training graduates to fill the gap between academia and industry, creating pool of trained professionals. The goals of HRD can be ensured under the programme **Comprehensive and Holistic Advancement of National Knowledge Yield and Analytics (CHANAKYA)**. IITTNiF at IIT Tirupati invites innovative and entrepreneurial ideas from motivated students for **CHANAKYA-Graduate Internships** who would like to work in the broad areas of Positioning and Precision Technologies (PPT).

Call for Proposal from PG students

Proposals are invited from individual UG students or a team of UG students (maximum 3 students from different disciplines) in the mentioned core or applied areas.

Core Areas

- Quantum Technologies
- Image Processing
- Data Science
- Robotics
- Defence
- Indoor Mapping
- Radio Frequency
- Geospatial Tools

Applied Areas

- Precision Agriculture
- Disaster Management
- Smart Cities
- Smart Villages
- Land Records and Insurance
- Navigation
- Policy and Legal

Eligibility Criteria

- B. Tech./B.E. Students of any discipline in their 5th to 7th Semester of their degree can apply
- A minimum 7.5 CGPA or 75% equivalent must be obtained till the last semester
- Integrated M.Sc./B.S.-M.S. and equivalent students in their 3rd to 6th semester are also eligible to apply
- The student must be enrolled in an CFTI or UGC/AICTE approved

Opportunities

- Interact with industries working on the PPT domain
- Get chances to work on MoU partnered Industry and R&D Institution
- Funds to create startup or incubation based on technology ready outcomes
- Student member of TIH
- Performing experiments in TIH Laboratories
- Conference fee concession for TIH organized conferences
- Attending workshops/seminar/colloquium during the project period

Project Selection Process

- Based on the originality, contributing to solving locally and socially relevant problems aligned with PPT.
- Project proposal includes problem statement, technical merit, feasibility, project plan, milestones and outcomes.

Project Monitoring Process

- Monthly progress report and quarterly presentation
- Internship is strictly subject to satisfactory progress during reviews

For More Details <https://iittnif.com/>

Proposals are invited with original ideas from UG students to solve socially relevant problems aligned with PPT

Click here for Proposal Template and to Apply

<https://iittnif.com/initiatives/human-resource-development/fellowships-internship/about-fellowships>



Monthly fellowship

₹ 10,000/- per month

(includes stipend, contingency and travel)

Maximum Duration of the Fellowship: **10 Months**

Deadline for Proposal Submission: **March 31, June 30, September 30 and December 31**



To harness the potential of the next generation technologies and make India a leading player in Cyber-Physical Systems (CPS), the Union Cabinet approved the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) to be implemented by DST. The Mission aims to create a strong foundation and a seamless ecosystem for CPS technologies by coordinating and integrating nation-wide efforts encompassing knowledge generation, translation research, technology, product development, human resource development, innovation & commercialization standards, and international collaborations. **IIT Tirupati Navavishkar I-Hub Foundation (IITNiF)**, a not-for-profit Section-8 company, has been set up to host the Technology Innovation Hub (TIH) in **Positioning and Precision Technologies (PPT)**.

Positioning and Precision Technologies (PPT) are indispensable tools for monitoring, integrating, and analyzing spatially and temporally distributed resources to aid in effective decision-making across multiple domains. The TIH on PPT at IIT Tirupati will provide a unique platform for researchers, industries, stakeholders and end-users across multiple disciplines. The TIH aims to become a top contributor to many Government of India initiatives such as Make in India, Atmanirbhar Bharat Abhiyaan and making India a self-reliant in PPT.

The TIH on PPT will contribute in



Technology Development



Startups and Entrepreneurship



Human Resource and Skill Development



International Collaborations



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