

TiHAN - PRAYAS/EIR

Technology Innovation Hub on Autonomous Navigation and data acquisition systems

PRomoting and Accelerating Young and ASpiring technology entrepreneurs

Entrepreneur in Residence

Objectives of TiHAN - PRAYAS/EIR

1. To enable translation of an innovative idea to a prototype.
2. To provide a platform for faster experimentation and modify approaches in the idea to market journey.
3. To indigenously generate innovative solutions relevant to the local and global problems.
4. To attract a large number of youth who demonstrate problem solving zeal and abilities to work on their new technology/knowledge/innovation-based startups.
5. To enhance the pipeline in terms of quality and quantity of innovative start ups to the incubators.
6. To build a vibrant innovation ecosystem, by establishing a network between innovators, academia, mentors and incubators.

Areas of Interest to TiHAN - PRAYAS/EIR

1. AI/ML frameworks for autonomous navigation and efficient multi-sensory data aggregation using Unmanned Aerial Vehicles (UAVs), Remotely Operated Vehicles (ROVs), etc.
2. IoT and CPS architectures for efficient usage of UAVs, ROVs, etc., in the Indian context.
3. Remote Sensing and Geographical Information Systems.
4. Efficient edge computing architectures for multi-sensory information processing.

5. Control Engineering.
6. Aerodynamics and Mechanical Design aspects of efficient UAVs, ROVs, etc.
7. Robotics related to autonomous systems.
8. Design for Smart Mobility (aerial/terrestrial).
9. Efficient image processing techniques.
10. Autonomous vehicle swarms and their applications.
11. Drone Component Make in India concept.

Structure of TiHAN - PRAYAS/EIR Program at iTIC

1. Fellowship is for highly motivated individuals with a commercially viable product idea in the domains of interest to TiHAN. Fellows would be encouraged to create a team and subsequently create a Private Limited company by the end of fellowship.
 - a. In case the candidate already has a startup prior to getting on-boarded to the fellowship, (s)he must be holding at least 50% equity in the startup.
2. Fellowship will be provided for prototype development on the idea presented at the time of selections and will be of 12 months, extendable by 6 months upon approval.
3. Fellowship will consist of three parts:
 - a. **Sustenance Allowance** of INR 25,000/-- per month for 12 months, under the condition that the candidate is not involved anywhere else professionally and is not a fulltime student anywhere.
 - b. **Prototype Development Grant** of upto INR 6,00,000/-- to be given in tranches. Size of tranche can be mutually decided by iTIC and Fellow as per the requirement and utilization done.
 - c. **IP filing support** of upto INR 1,00,000/-- can be provided.
4. In case a candidate is a full time student or is involved anywhere professionally (full-time/ part-time), sustenance will not be provided.

5. Fellows will receive support under the iTIC pre-incubation program and must follow the guidelines for the same. iTIC may charge a monthly service fee from the fellows which can not be paid from the Prototype Development Grant.
6. To keep a healthy success ratio and create a good pipeline to the TiHAN Startup Support program applications would be accepted 3 times a year and selection of 1 grantee in each round. In case of no good candidates, the committee can decide to pass all the applying candidates and fill the vacancy in the next round.
7. Out of total seats in a year, certain seats in the program would be reserved for recent graduates on the name of EIR.

Benefits of TiHAN - PRAYAS/EIR

1. It's a fully funded fellowship of total INR 10,00,000/-
2. Intellectual property (IP) facilitation support
3. Access to iTIC network of mentors and investors pool
4. Opportunities to seek further funding opportunity on successful completion
5. Pre-Incubation support including space & other services by iTIC
6. Access to lab, workstation & research for prototype development
7. Networking opportunity with startup ecosystem and Industry
8. Knowledge building sessions and workshops

Who Should Apply?

1. Entrepreneurs or Start-ups working at an early stage/ idea stage.
2. Individuals working on innovative Idea/POC/Prototype in the above mentioned thematic areas of the program are eligible.

Timeline

1. The fellowship is for a maximum duration of 12 months only and based on the decision of the committee the fellowship duration may be extended by 6 month after monitoring the progress review. (Funding support can not be extended)
2. This program supports 3 fellows a year and the call for applications opens thrice a year, selecting 1 fellow everytime.

Role of TiHAN and iTIC

iTIC

- Pre incubation Support
- Investment opportunity (grants/fellowship/investor connects)
- Access to labs and resources
- Mentorship
- Capacity Building Programs & workshops
- Co-working space for upto 3 people

TiHAN

- TiHAN test bed and other infrastructure (on terms of TiHAN)
- Technical Mentor connects

Selection process

1. The applications for the fellowship will be invited at the national level through websites and social media channels.
2. The application will be submitted online through the iTIC website portal.
3. iTIC team will do eligibility checks, shortlisting and evaluation.
4. The shortlisted applicants will be called for an interview/presentation before an expert committee.

5. The shortlisted applicants will be called '**TiHAN Prayasee**' and will enter into an agreement with iTIC.

Fund Utilization Guidelines

Can be used for:

1. Outsourcing charges for R&D, designing, consultancy, testing, expert cost upto INR 1,50,000/--
2. Raw material, consumables, spares, fabrication, synthesis charges of a working model or process upto INR 4,00,000/--
3. Tools, softwares, production machines, computers: upto INR 2,00,000/--
4. Man-power (interns, employees): upto INR 1,50,000/-- support on 1:1 matching basis only.
5. Consumables are flexible and need to be justified
6. Business Travel and Event participation Fees upto INR 1,00,000/--
7. Patent filing Cost – (Upto INR 1 lakhs covered)
8. Contingency - (Ceiling 10% of approved project cost)

Can not be used for:

1. To pay the salary of the advisors/mentors of the fellow
2. To repay loans/commitments made earlier
3. Transfer to any other bank account
4. Material procured without valid bills
5. Buying materials which are not used for project
6. Construction purposes (Ex: Office/Lab)
7. None of the founding team members can receive salary/stipend/fellowship from two sources simultaneously i.e., TiHAN Prayas or any other.

Progress Report Draft

Date:

Name of Startup:

Name of Founders:

Brief about the Startup: (limit it to 2-3 lines)

Description of type of work carried out in last 3 months and its outcome:

Progress review:

Category	Description	Fund utilized	Outcome

(Category - R&D, Travel, Prototyping, Marketing, Legal, Human Resource, Lab testing, Marketing, etc.)

Funds utilized from the fellowship in last 3 months: INR _____

Total funds utilized from the fellowship: INR _____

Name of the founder:

Stamp & Signature

Work Plan Draft

Date:

Name of Startup:

Name of Founders:

Brief about the Startup: (limit it to 2-3 lines)

Description of type of work to be carried out in next 3 months and its outcome:

(Mention the roadmap for the next 3 months)

Types of expenses:

Expense Head	Description	Amount

(Expense Heads - R&D, Travel, Prototyping, Marketing, Legal, Human Resource, Lab testing, etc.)

Total funds required from the fellowship for next 3 months: INR _____

Name of the founder:

Stamp & Signature

Utilization Certificate draft

Name of Startup:

Name of Authorized Signatory:

UC Period:

Date of Commencement:

Total amount sanctioned under Fellowship:

	Total amount disbursed till previous UC date (Closing balance in previous UC)	Current period	Total
Funds released by iTIC			
Additional funds from other sources			
Expenditure			
Balance			

Expenditure details (for the current period):

Sr. No.	Expense Head	Date of Purchase	Vendor Name (as per tax invoice)	Amount

Total				

(Expense Heads - R&D, Travel, Prototyping, Marketing, Legal, Human Resource, Lab testing, etc.)

Name of the **Authorized Signatory**:

Stamp & Signature