

## **TiHAN - Incubation**

Technology Innovation Hub on Autonomous Navigation and data acquisition systems

### **Objectives of TiHAN - Incubation**

The objective is to help early-stage startups to build their venture through technology mentoring, validation, intellectual property support, marketing strategy, team building, fundraising advisory, etc

1. To provide a platform for entrepreneurs with innovations in Deeptech.
2. To offer Incubation support services to Deeptech startups.
3. To enhance the pipeline in terms of quality and quantity of innovative start-ups to the incubators.
4. To build a vibrant innovation ecosystem, by establishing a network between innovators, academia, mentors, and incubators.

### **Areas of Interest to TiHAN - Incubation**

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 - Incubation at iTIC**

1. This Incubation program is for the early-stage startups who have a prototype and want to convert into a product and gain early traction in the domains of interest to TiHAN.
2. Incubatees will receive support under the iTIC customized incubation program and must follow the guidelines for the same
3. The incubation grant will be provided for product development on the idea presented at the time of selections and will be for 24 months, Further, it may extend for a few months on a case-to-case basis.
4. The startup should register as a Pvt Ltd under the Indian Companies Act, 1956/2013. Also, The entity should be a DIPP recognized Startup.
5. The funding support under TiHAN Incubation program is up to INR 25 Lakhs
6. The fund allocation is milestone-based and the tranche can be released on a case-to-case basis. The size of the tranche can be mutually decided by iTIC and Incubatee as per the requirement and utilization. Also, the fund can not be disbursed more than 30% at once. The last installment of 10% is released after the submission of the progress report, UC, etc, and is typically like reimbursement.

## **Benefits of TiHAN - Incubation**

1. Financial aid of up to INR 25 Lakhs on an equity basis
2. Intellectual property (IP) facilitation support
3. Access to iTIC network of mentors
4. Access to investors

5. Customized Incubation support for 24 months including office space & other services by iTIC
6. Access to IITH labs, workstation & maker lab for product development
7. Networking opportunity with startup ecosystem and industry
8. Knowledge building sessions and workshops

## Who Should Apply?

1. Entrepreneurs or Startups working at the prototype stage.
2. Individuals working on innovative products/services in the above-mentioned thematic areas of the program are eligible.

## Timeline

1. The funding is provided for a period of up to 24 months. The project is implemented in a milestone-based manner.
2. This program supports 4 startups a year and the call for applications opens twice a year, selecting 2 startups every time.

## Role of TiHAN and iTIC

### iTIC

- Incubation Support
- Investment opportunity (grants/fellowship/investor connects)
- Access to labs and resources
- Mentorship
- Capacity Building Programs & workshops
- Co-working space

### TiHAN

- TiHAN testbed and other infrastructure
- Technical Mentor connects

## Selection process

1. The applications for the Incubation 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 Incubatee'** 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, Raw material, consumables, spares, fabrication, synthesis charges of a working model or process.
2. Tools, Softwares, production machines, computers: up to INR 2,00,000/-
3. Man-power (interns, employees): up to 50% of the approved monetary support on a 1:1 matching basis.
4. Consumables are flexible and need to be justified
5. Business Travel and Event participation fees up to INR 1,00,000/-
6. Patent filing Cost – (Upto INR 1.5 lakhs covered)
7. Contingency - (Ceiling 10% of approved project cost)

Can not be used for:

1. To pay the salary of the advisors/mentors of the incubatee.
2. To repay loans/commitments made earlier
3. Transfer to any other bank account
4. Material procured without valid bills
5. Buying materials that are not used for project
6. Construction purposes (Ex: Office/Lab)
7. None of the founding team members can receive a salary/stipend/fellowship from TiHAN Incubation fund support.

# Progress Report Draft

**Date:**

**Name of Startup:**

**Name of Founders:**

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

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

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**Progress review:**

Category	Description	Fund utilized	Outcome

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

**Funds utilized from the grant in last 3 months: INR \_\_\_\_\_**

**Total funds utilized from the grant : 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)

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

(Mention the roadmap for the next 3 months)

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**Types of expenses:**

Expense Head	Description	Amount

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

**Total funds required from the grant 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 the Grant:**

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

**Expenditure details (for the current period):**

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



<b>Total</b>				

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

Name of the **Authorized Signatory**:

Stamp & Signature

# LETTER OF UNDERTAKING

To,  
I TIC Foundation  
Indian Institute of Technology Hyderabad  
Kandi, Sangareddy,  
Telangana - 502285, INDIA

## **Compliance with the Rules and Directives**

In consideration with the TiHAN Grant and Incubation Center at I TIC Foundation. I hereby undertake and agree to comply with the Rules of TiHAN Grant Program and I TIC Foundation, IIT Hyderabad, and any directives issued thereunder, which shall be in force from time to time.

Grant start date:- ...../...../.....

Signature:

Name:

Date: