

# Internship Opportunity-2025

## FIST, IIT Patna

Applications are invited from motivated and young energetic aspiring students who are in the 2<sup>nd</sup>/3<sup>rd</sup> Year of their Engineering Degree (UG) with an excellent academic record for internship opportunities at FIST- TBI, IIT PATNA.

Foundation for Innovators in Science and Technology (FIST) at IIT Patna is developed under the NIDHI-TBI initiative of the Ministry of Science & Technology, Department of Science & Technology, Government of India. It is registered as a section 8 company under the Ministry of Corporate Affairs.

It administers a Technology Business Incubator (TBI) that provides 'Start to scale' support for technology-based entrepreneurship and facilitates the conversion of research ideas into entrepreneurial ventures. It focuses on the incubation of ideas in the areas, including, but not limited to, **Agriculture, Manufacturing, Energy, Water Harvesting, AI/IoT/ML/DL/Deep Tech, Health-Tech, Electrical Vehicle (EV) Technology, Drone Technology, Tech. for Environment/Climate, Robotics and Automation, Green Energy, and other Innovative Products/Services.**

### How will your ideas help?

Implementing solutions to address a range of interconnected issues, benefits the country in numerous ways. These solutions would have a positive impact on widespread of societal pressing challenges.

### Some priority problem statements:

**AI/IoT/ML/DL/Computer Vision for niche applications, Deep Tech Rapid Agri-Food Products Quality Assessment, Development of a testing kit for ascertaining the reliability of organic agriculture produce, Agri-Drone, Development of smart mechanism to make available uneaten/surplus food to hungry people, Low-cost smart device for AQ (Air Quality), Drinking Water (monitoring of water quality that would help improve awareness of water status and efficient access to safe drinking water), or technology development initiatives for other challenging issues/problems aligned with national priorities.**

FIST, IIT Patna will offer Approx. 2-3 months **Internship** to a limited number of students from engineering streams. The interns are expected to work closely with FIST-TBI startup teams and upon successful completion, an internship certificate will be provided by FIST, IIT Patna.

Period of the Internship: Approx. 2-3 month

Venue/Location: FIST, IIT Patna office. 5<sup>TH</sup> FLOOR, BLOCK-9, INDIAN INSTITUTE OF TECHNOLOGY PATNA, BIHTA, PATNA, and BIHAR, INDIA, 801106.

**Last Date of application: 27<sup>th</sup> May 2025 upto 5:00 pm.**

Internship opportunities are open as follows:

Internship Area	Maximum No. of Positions	Eligibility
<b>Opportunity to work with startup companies/ Incubatees/ innovators/ entrepreneur</b>	10*	<ul style="list-style-type: none"> <li>• B. Tech (CSE/ IT/AI &amp; Data Science/ Electrical/Electronics &amp; Communication/ME/Civil/ Environmental Sc or Engg./Agriculture/Water Resources Engg./Chemical Biochemical/ Metallurgical and Materials Engineering)</li> <li>• Students who are in 2nd or 3rd year of their Engineering Programme.</li> <li>• Minimum percentage of marks: 60% marks</li> </ul>
<b>Skills Required:</b> <ul style="list-style-type: none"> <li>• Good written and verbal communication skills in English &amp; Hindi.</li> <li>• Hardworking and dedicated outlook.</li> <li>• Ability to multi-task and take initiative.</li> <li>• Ability to take direction and absorb information quickly.</li> <li>• Computer Skills like M S office, Google Meets, WebEx, etc.</li> </ul>		
<b>Works to be Performed:</b> <ul style="list-style-type: none"> <li>• Assisting the Start-up in their Product Development &amp; R&amp;D works</li> <li>• Assisting in product design, 3D modeling, and CAD drawings using tools like SolidWorks or AutoCAD.</li> <li>• 3D printing, 3D Scanner, CNC machines, Abrasive Waterjet Cutting machine, etc.</li> <li>• Supporting prototyping, fabrication, and testing of mechanical components.</li> <li>• Working with microcontrollers (e.g., Arduino, ESP32, Raspberry Pi) for sensor-based applications.</li> <li>• Supporting IoT device integration, signal processing, and hardware troubleshooting.</li> <li>• Developing and debugging software modules, web platforms, or mobile apps and websites.</li> <li>• Writing clean and efficient code in Python, Java, C++, or JavaScript.</li> <li>• Supporting database design, APIs, and backend logic.</li> <li>• Working on AI/ML, data science, or cybersecurity projects (based on domain).</li> <li>• Supporting the development of sustainable or bio-based product prototypes.</li> <li>• Contributing to green building concepts, water management, or rural infrastructure planning.</li> <li>• Any Work assigned by FIST TBI</li> </ul>		

**Note: \* The no. of internship position may increase or decrease based on the requirements**

**All candidates are required to apply through given Google Link before **27.05.2025**.**

**Google Form Link - <https://forms.gle/5kQXbLJMYQaBEWd16>**

Kindly copy and paste the link into your browser for submission of application.

***You are required to attach the signed NOC form from your head of institution on the institute letter head.***

**You can visit [www.fist.iitp.ac.in](http://www.fist.iitp.ac.in) or [www.iitp.ac.in](http://www.iitp.ac.in)-> TBI for more details.**

In case of large number of applications, shortlisting will be done by FIST, IIT Patna based on academic performance and skills set. The final selection will be made after an interview on online platform with shortlisted candidates. FIST, IIT Patna will provide an internship certificate on successful completion of the activity. Decision of FIST, IIT Patna on all matters of internship will be final.

If there is any change in the start/end dates of interview/internship, it shall be intimated to the shortlisted candidates via email or refer to FIST, IIT Patna website ([www.fistiitp.ac.in](http://www.fistiitp.ac.in)).

**Note: TA/DA and hostel accommodation will not be provided by FIST IIT, Patna.**

*(On Institution's letterhead)*

## **No Objection Certificate**

**To,**

FOUNDATION FOR INNOVATORS IN SCIENCE AND TECHNOLOGY  
A NIDHI-TBI funded by DST, Govt. of India  
INDIAN INSTITUTE OF TECHNOLOGY PATNA,  
BIHTA, PATNA, BIHAR, INDIA, 801106

This is to certify that Ms./Mr./Mrs .....is an undergraduate student in the department of.....Engineering, Roll No....., Semester:..... at.....She/he wishes to apply for an internship at.....The Institute has no objection to his/her undergoing a summer internship program at..... from the period ..... To .....

She/he bears good moral character.

Date:

Place:

**Head of Institution**  
(Signature with Stamp)  
Name:  
Mobile No.:  
Email ID: