



IIT Mandi iHub & HCI Foundation

A Section 8 Not-for-Profit Company
Technology Innovation Hub (TIH) in Human-Computer Interaction (HCI)

Regd. Office: Indian Institute of Technology Mandi, VPO Kamand, Mandi, Himachal Pradesh, India – 175075

Call for Doctoral Fellowship

About iHub: IIT Mandi iHub and HCI Foundation (iHub) is a Section 8 company established under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS). The vision of iHub is “To be an internationally recognized hub that nurtures HCI research, enables technology translation for industry, and scale skill development”. For more information, visit www.ihubiitmandi.in

Objective: To provide support to Doctoral candidates to do an in-depth analysis in the area of “Human-Computer Interaction (HCI), Computer Science, Industrial Design, Cognitive Science, and Multisensory Applications” by applying independent methodologies of scientific research and creating new technology solutions for the industrial application in HCI.

Fellowship Grant: INR 37,500/- per month.
If selected, the applicant cannot avail of any other fellowship in parallel.

Duration: Maximum 24 months.

Eligibility for Fellowship Programme:

Students registered in any unfunded doctoral program can apply for the fellowship with the conditions given below:

- Applicants must be aspiring to work in the areas of “Human-Computer Interaction (HCI), Computer Science, Industrial Design, Cognitive Science, and Multisensory Applications”.
- The CGPA of the applicant should be greater than or equal to 7.00 in graduation and post-graduation.
- The nationality of the candidate is not a constraint.

Desirable: Those candidates who qualified for GATE/GPAT, NET, or equivalent examination will be preferred.

Selection Procedure:

1. Each candidate needs to submit a proposal that should consist of the details of the project and the candidate, the aim of the project, the gap with the industry, methodology, and expected deliverables and must integrate the expected output to industrial applications as per goal.
2. Any idea that has the potential to lead to a technology (start-up) is highly encouraged.
3. The proposals will be shortlisted based on the eligibility criteria, feasibility, and originality of the proposal.
4. Shortlisted applicants may be asked to present their proposals to the evaluation committee.
5. The nationality of the candidate is not a constraint.



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Benefits:

1. Opportunity to apply your innovative ideas for solving real-time problems for the industries.
2. Fellowship will be for a period of 24 months with a fellowship amount of INR 37,500/- per month.
3. A certificate from IIT Mandi iHub and HCI Foundation (iHub) highlighting the outcome of the project.
4. Funding opportunity for creating start-ups, and incubation centers after careful evaluation of the project outcomes.
5. Opportunity to enhance learning, explore entrepreneurial skills, and innovate.
6. Get an opportunity to work with the industries.

Project Area: The project proposals are invited from any of the two technology areas mentioned below.

TIH – HCI Domain: Project proposals for the Fellowship must be in the broad area of HCI and the area of its industrial applications.

Technology Area:

- Industrial Design/Usability Engineering
- Computer Vision
- Image Processing
- Cognitive Modelling
- Artificial intelligence and Machine learning
- Natural language processing (NLP)
- Augmented reality (AR) and Virtual Reality (VR)

Industry Area:

- Defence & Security
- Healthcare
- Environment & Agriculture
- Information Technology.

Workplace: Industry, Academic, R&D Institution.

Terms & Conditions:

1. Monthly monitoring of the selected proposals.
2. The iHub reserves the right to terminate the fellowship based on unsatisfactory progress.
3. The iHub reserves all rights to revise the eligibility criteria and reject any proposal without assigning a reason at any time.
4. These fellowships are primarily targeted at Postgraduate students who are pursuing a Ph.D. in the area of "Human-Computer Interaction (HCI), Computer Science, Industrial Design, Cognitive Science, and Multisensory Applications".
5. The iHub reserves the right to offer a different project to candidates instead of their proposed project/idea.



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6. The iHub can monitor the academic progress of the fellowship holders (after they are appointed).
7. The mentoring faculty member must be working or intend to work in an area relevant to “Human-Computer Interaction (HCI), Computer Science, Industrial Design, Cognitive Science, and Multisensory Applications” and must be closely aligned with the goals and deliverables of Technology Innovation Hub.
8. The supervisor/mentor must agree to provide the facilities required for the research to be conducted by the candidate in line with the research proposal.
9. For successful completion, the fellow must submit a project report along with any hardware/software, and source code.

Application Deadline: This is a Rolling Advertisement and/therefore, can be submitted at any time; however, the received proposals shall be evaluated every three (3) months.

Application Link: <https://forms.gle/NSC62FZkhHCTfUDL7> For any additional clarifications/information, please contact ihubiitmandi@gmail.com Call: 9015458338.