



**IIT Ropar – Technology and
Innovation Foundation for
Agriculture and Water Technology
Development Hub (AWaDH)**

CIN: U80100PB2020NPL051623

A Technology Innovation Hub established by the
Department of Science & Technology (DST),
Government of India, in the framework of National
Mission on Interdisciplinary Cyber-Physical
Systems (NM – ICPS)

316/317, M.Visvesvaraya Block
Indian Institute of Technology Ropar
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Advertisement for the position of Technical Assistant

March 2026

Applications are invited from Indian nationals for the position of Technical Assistant to work in DST sponsored Technology Innovation Hub at IIT Ropar in the framework of National Mission on Interdisciplinary Cyber-Physical Systems (NM - ICPS).

Last Date for Application: April 06, 2026

IIT Ropar – Technology and Innovation Foundation (TIF) is a Section – 8 company founded to support the initiatives of recently established Technology Innovation Hub – AWaDH (Agriculture and Water Technology Development Hub) at the Indian Institute of Technology Ropar in the framework of National Mission on Interdisciplinary Cyber-Physical Systems (NM – ICPS) by the Department of Science and Technology, Government of India. The TIF supports the R&D in the domain of Agriculture and Water and provides incubation support to technology-based start-ups towards sustainable agriculture and the environment.

Position description: Technical Assistant

Location: IIT Ropar, Punjab

Number of positions: 01 (one)

Type of job: Full time (on contract)

Duration: 1-year position. The contract can be extended beyond one year based on satisfactory performance. Regular assessment (Half yearly/Yearly) would be done.

Necessary qualifications:

1. Bachelor's degree in Engineering or Agriculture/Horticulture/Food or allied branches
2. Minimum of 60% marks or 6.5 CGPA (55% marks or 6.0 CGPA for SC/ST)
3. Age limit: 35 years

Preferred qualifications:

1. Good knowledge of Agriculture/fisheries/agriculture machinery/
2. Preference would be given to applicants who have background in Mechanical Engineering/Production engineering
3. Preference would be given to applicants who have prior industrial/research experience
4. Should have practical experience on working with CAD tools such a Solidworks
5. Practical experience in farming/agriculture/indoor farming/farm machinery design
6. Design knowledge of automation, sensors, Cyber Physical Systems design, electronics, programming with cloud data etc.
7. Practical experience of manufacturing of machine tool components

Remuneration: Rs 30,000/- + HRA (as per DST norms). Suitable accommodation on the institute campus may be provided based on availability.

Advertisement for the position of Senior Project Associate (Post Doc)

March 2026

Applications are invited from Indian nationals for the position of Senior Project Associate to work in DST-sponsored Technology Innovation Hub at IIT Ropar in the framework of National Mission on Interdisciplinary Cyber-Physical Systems (NM - ICPS).

Last Date for Application: April 06, 2026

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Position description: Senior Project Associate

Location: IIT Ropar, Punjab

Number of positions: Up to 01 (one)

Type of job: Full time (on contract)

Duration: 1 years position. Contract can be extended beyond one years based on satisfactory performance. Regular assessment (Half yearly/Yearly) would be done.

Necessary qualifications:

1. Bachelor's degree in any Engineering or equivalent and
2. Master degree in an allied discipline with good academic record and
3. PhD degree in engineering (at least thesis submitted)
4. At least one degree out of Bachelors or Masters degree should be in Mechanical/ Design/ Aerospace/ Production.
5. Age limit: 35 years
6. Fresh PhD will be preferred

Preferred qualifications:

1. GATE/CSIR-NET qualified (need not be valid now)
2. Minimum of 60% marks (or 6.5 Grade points out of 10) (55% marks for SC/ST)
3. Excellent writing ability and oral communication skills, and the ability to multitask effectively
4. Two or more SCI-listed journal published
5. Relevant industrial experience.
6. Preference would be given to applicants with a Mechanical/ Design/ Aerospace/ Production background.
7. Interest in working in farming/agriculture/indoor farming/farm machinery design on automation, sensors, Cyber Physical Systems design, electronics, programming with cloud data, etc.
8. Practical experience in the manufacturing of machine tool components
9. Applicants who have a PhD degree other than IIT Ropar

Remuneration: Rs 57,000/- + HRA (as per DST norms). Suitable accommodation on the institute campus may be provided based on availability.

How to apply: Kindly fill the below Google form link.

https://docs.google.com/forms/d/180EM4WS4_86nZqzmvP4APN1TUrXOM0ibC7E1QyAxey0/edit

Terms and Instructions

1. Only shortlisted candidates will be contacted/informed through email.
2. AWaDH reserves the right to fill up the post, not to fill up the post, or cancel the advertisement in whole or part without assigning any reason. The committee reserves the right to place a limit on the total number of candidates to be called for the written test/or interviews.
3. Documentary evidence in support of all educational and professional qualifications will be required to be produced when specified.
4. The committee can verify all the documents submitted by a candidate before the appointment, at the time of appointment, or during the tenure of the service. If it is found at a later date that any information given in the application is incorrect/false, the candidature/appointment is liable to be canceled/terminated.

Details of the research work to be carried out:

The selected researcher would work on research projects. Some of the possible projects are:

1. Design and development of agricultural products and machinery
2. Research and technology development, especially in indoor farming
3. Automation of farming using IoT
4. Smart agriculture with CPS and IoT

Dr. Prabir Sarkar

Professor, Department of Mechanical Engineering

Co-Principal Investigator - DST TIH – AWaDH (Agriculture and Water Technology Development Hub)

Domain coordinator- Stubble and indoor farming.

IIT Ropar - Technology & Innovation Foundation

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