



**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
E-mail: awadh@iitrpr.ac.in

Advertisement for the position of Project Associate (Mechanical)

March 2022

Applications are invited from Indian nationals for the position of 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 04, 2022

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: Project Associate (Mechanical)

Location: IIT Ropar, Punjab

Number of positions: 02 (two)

Type of job: Full time (on contract)

Duration: 3 years position. Initially for 1 year. Contract can be extended beyond three years based on satisfactory performance. Regular assessment (Half yearly/Yearly) would be done. The candidate may have the possibility of entering into the PhD program of IIT Ropar subjected to the meeting of the required conditions of the department of Mechanical Engineering, performance in the interview and initial application forwarding of the investigator based on the performance in the project.

Necessary qualifications:

1. Bachelor's degree in Mechanical Engineering or equivalent
2. Master degree in an allied discipline with good academic record
3. A valid GATE (or equivalent exam) score in Mechanical (or allied) engineering
4. Minimum of 65% marks or 7 CGPA (60% marks or 6.5 CGPA for SC/ST)

Preferred qualifications:

1. Good knowledge of Product design, manufacturing
2. Good knowledge about automation, Arduino, android studio and experience in programming

Remuneration: Rs 31,000/- + HRA (as per DST norms). Suitable accommodation on institute campus may be provided based on availability.

How to apply: The applicant must send the following documents, as a single PDF file, ASAP via email to prabir@iitrpr.ac.in

1. Subject line: Application for Project Associate (Mechanical)

2. A cover letter informing why you think you are suitable for this position
3. Filled application form given in the following sheet
4. Copies of all the certificates and transcripts

The shortlisted candidates shall be called for online/personal interview. For any related query, please contact prabiriitropar@gmail.com

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 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 cancelled/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. Development of new product design methodology for agriculture
2. Design automation (knowledge management, design rational capture) applied to agriculture
3. Design thinking specific to agriculture
4. Manufacturing systems, process innovation, sustainable supply chain systems for agriculture
5. Industry 4.0 and Agriculture 4.0 for urban farming

Dr. Prabir Sarkar

Associate 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

Room 328, Indian Institute of Technology, Ropar

Main Campus, Satish Dhawan Block, Birla Farms,

Rupnagar-140001, Punjab, India

Web: <http://www.iitrpr.ac.in/smmee/prabir>

Email: prabir@iitrpr.ac.in; Phone: +91 1881 23 2368 (office)



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Application Form

**Attach
Recent
Photograph**

Personal Details

1. Full Name (In capital):
2. Date of Birth (DD/MM/YY):
3. Category (e.g. General/SC/ST/OBC):
4. Age (in years):
5. Gender (Male/Female):
6. Marital Status (Single/Married):
7. Nationality:
8. Address for Communication:
9. Permanent Address:
10. Mobile number:
11. Email:
12. Post applied for:

Education

Please mention the followings for each degree completed:

1. Degree:
2. Discipline:
3. University/Institute:
4. Regular/ Part-time:
5. Year:
6. %Marks /CGPA*:
7. Division:

*[Please also submit a softcopy of the semester-wise mark-sheets as well as softcopy of degree]

Qualifying Examination (e.g. GATE) (if applicable)

1. Qualifying Examination & name of subject*:
2. Discipline:
3. Year:
4. Valid Up to:
5. Percentile & Score:
6. All India Rank:

*[Softcopy of these are to be attached]

Professional Experiences (Teaching/Research/Industrial) if any

Please mention for each experience

- Name of Organization:
- Designation:
- Nature of Work:
- From: _____ To: _____

Research Publications: List of publications * (if applicable)

[* List of publications (Journals, conferences, books, book chapters, technical reports etc.). For journal publications please mention if it is SCI listed and its impact factor is applicable. Also attach softcopy of three journals papers separately, if applicable.]

Any other Relevant Information:

Place:.....

Date:

Signature of Applicant

Email:

Mobile: