



Call for a recruitment of a Software Engineer in the network project of CSIR-CSIO, Chandigarh and TIH-AWaDH, IIT Ropar



July 2025

Advertisement No.: PA/P10001/04/July2025/001

Applications are invited for the position of Project Associate-I/JRF and Project Associate-II to work in a network Project of CSIR-CSIO, Chandigarh, and IIT Ropar – Technology and Innovation Foundation.

The project details are as follows:

The project involves the development of large language models and a portal for a data driven advisory system for farmers. This project aims to leverage the non-traditional/unstructured data sources and power of AI to empower Indian farmers with information to derive valuable insights and patterns in their multiple languages

Last Date for Application: August 10, 2025

Central Scientific Instruments Organisation (CSIO), a constituent unit of the Council of Scientific & Industrial Research (CSIR), is a premier national laboratory dedicated to the research, design, and development of scientific and industrial instruments. It is a multi-disciplinary and multi-dimensional apex industrial research & development organization in the country to stimulate the growth of the Instrument Industry in India covering a wide range and applications.

IIT Ropar – Technology and Innovation Foundation (TIF) is a Section – 8 company founded to support the initiatives of the recently established Technology Innovation Hub – AWaDH (Agriculture and Water Technology Development Hub) at the Indian Institute of Technology Ropar in the framework of the 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 toward sustainable agriculture and the environment.

The project will be done in collaboration with CSIR-CSIO and TIH-AWaDH (IIT-Ropar).

Job description

Name- Project Associate – I/JRF, II

Location: CSIR-CSIO, Chandigarh/ IIT Ropar

Number of positions: 03

Type of job: Full time (on contract)

Duration: Initially for one year. The contract can be extended based on satisfactory performance.

Essential Qualifications (PA-I/JRF): The applicant must meet the following criteria.

Bachelors degree (B.Tech/BE) in Computer Science Engineering/Information Technology/Electrical/Electronics and Communication/Instrumentation or any other relevant engineering.

The candidate with master's and relevant experience in industry/academia/research will be given the preference.

Essential Qualifications (PA-II): The applicant must meet the following criteria.

Bachelor's degree (B.Tech/BE) in Computer Science Engineering/Information Technology/Electrical/Electronics and Communication/Instrumentation or any other relevant engineering.

1. Minimum 2 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services.

The candidate with master's and relevant experience in industry/academia/research will be given the preference

Desirable skills:

- o Proficient in programming using Python/ JAVA/ MATLAB
- o Experience in web development both backend and frontend and cloud infrastructure
- o Bonus if experienced in large language models and machine learning

Note: The candidates will be encouraged to apply for a PhD program at CSIR-CSIO and IIT Ropar.

Remuneration (PA-I/JRF):

(i) Rs. 37,000/- + HRA to scholars who are selected through

(a) National Eligibility Tests- CSIR- UGC NET including lectureship (Assistant Professorship) or GATE
OR

(b) A selection process through National level examination conducted by Central Government Department and their Agencies and institutions

OR

(ii) Rs. 30000/- + HRA for others who do not fall under (i) above

Project Associate-II

(i) Rs. 42,000/- + HRA to scholars who are selected through (a) National Eligibility tests-CSIR-UGC NET including lectureship (Assistant Professorship) or GATE

OR

(b) A selection process through National level examination conducted by Central Government Departments and their agencies and institutions.

(ii) Rs 33,000/- + HRA for others who do not fall under (i) above

Link to apply:

<https://forms.gle/HPba71TbNfEDcWHD6>

The shortlisted candidates shall be called for online/personal interviews. For any project related query, please contact rishemjit.kaur@csio.res.in

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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 company also reserves the right to place a limit on the total number of candidates to be called for written tests/or interviews. The decision of the company in this regard will be final.
 3. Documentary evidence in support of all educational and professional qualifications will be required to be produced when specified.
 4. The institute can verify all the documents submitted by a candidate before the appointment, at the time of appointment, or during the tenure of the service. In case it is detected that the documents submitted by the candidates are fake or the candidate has clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
 5. 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.
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AWaDH, IIT Ropar