



**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](mailto:awadh@iitrpr.ac.in)

**Call for the recruitment of a Firmware Engineer  
(Advt No.: FE/July 2023/01)**

Applications are invited for a Firmware Engineer at IIT Ropar – Technology and Innovation Foundation.

**Last Date for Application: July 26, 2023**

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.

IIT Ropar – TIF is looking for an enthusiastic and resourceful individual(s) to be a part of our journey towards a sustainable future.

**Job description: Firmware Engineer**

*Location: IIT Ropar - TIF*

*No of vacancy: Two*

*Full time (on contract) position in IIT Ropar – Technology and Innovation Foundation (TIF), a section – 8 company: Initially for one year. It can be extended depending on the satisfactory performance.*

**Responsibilities**

1. Design, prototype and verify systems for various embedded firmware applications.
2. Develop and maintain firmware and middleware for embedded systems.
3. Create and manage documentation for active projects.
4. Develop tools and techniques for testing and verification.
5. Provide technical assistance to clients.

**Qualifications and Essential Skills**

1. B.Tech/B.E. or M.Tech/M.E. in Electrical Engineering or equivalent qualification.
2. Minimum two year of relevant experience.
3. Experience in embedded IoT system design.
4. Sound knowledge of C, C++.
5. Good grasp of testing and debugging techniques and protocols.
6. Knowledge of BLE, WiFi, Ethernet (system and firmware).
7. Sound knowledge of interface and network protocols.

**Remuneration:**

- In the range of INR 5-7 Lakhs per annum, negotiable depending on experience.
- Age: less than 35 years
- Suitable on-campus accommodation may be provided, based on availability.

## **How to Apply?**

To apply, kindly fill up the Google form. Link is given below:

[https://docs.google.com/forms/d/17Y\\_ozlpDFurj6rctkJg-x3eAbOdzUTbKbPjgOuyR\\_GI/](https://docs.google.com/forms/d/17Y_ozlpDFurj6rctkJg-x3eAbOdzUTbKbPjgOuyR_GI/)

## ***Terms and Instructions***

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1. Only shortlisted candidates will be contacted /informed through email.
2. TIF 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 test/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 company 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.