

**ASSAM GOVERNMENT – IIT GUWAHATI HEALTHCARE FOUNDATION**

Assam Government – IITG Healthcare Foundation is a Section 8 company. Government of Assam has joined hands with IIT Guwahati to establish a cutting-edge R&D institution in health sciences and technology – **Assam Advanced Healthcare Innovation Institute (AAHII)**. AAHII, located within IIT Guwahati campus comprises of an R&D Block, Academic block and a Super-specialty hospital (500 beds) with ancillary facilities invites applications for the following vacancy:

Sl. No.	Name of the Position	No. of posts
1	Project Engineer – Low-field MRI Hardware Development	1

Only the shortlisted candidates will be called for interview. No TA/DA will be paid for the purpose. Terms of Reference (ToR) for the aforesaid position are accessible at: <https://agihf.org/careers>. Online applications will be received till 05.06.2025 at [careers@agihf.org](mailto:careers@agihf.org).

Sd/-  
Chief Operating Officer  
Assam Government – IITG Healthcare Foundation

## **TERMS OF REFERENCE FOR THE POSITION OF PROJECT ENGINEER, ASSAM GOVERNMENT IITG HEALTHCARE FOUNDATION**

**Position:** Project Engineer – Low-field MRI Hardware Development

### **Qualification:**

Ph.D. in a relevant field or MTech with minimum 2-3 years of experience. Undergraduate background in Electrical Engineering, Biomedical Engineering, or Physics/Engineering physics or any equivalent area.

### **Experience:**

#### Required:

- 1) Track record of experimental design, execution, and analysis
- 2) Experience mentoring junior researchers and engaging in collaborative projects

#### Desired:

- 1) Knowledge of MRI physics
- 2) Experience in MRI hardware development or relevant (e.g. RF/gradient coil systems, MRI signal processing, Pulse sequence design etc.)

### **Place of Duty:**

Assam Advanced Healthcare Innovation Institute (AAHII), IIT Guwahati campus

### **Reporting:**

Project Engineer shall work under the overall guidance and supervision of Chief Operating Officer AGIHF and under the supervision of Dr. Erwin Fuhrer, IIT Guwahati

### **Job Purpose:**

To lead and support laboratory-based R&D efforts in low-field MRI hardware development, within a collaborative research project at AAHII in association with IIT Guwahati. Individuals with eye on career advancement in MRI technology and research should apply.

### **Key responsibilities:**

- 1) Lead the design, execution, and analysis of MRI hardware experiments
- 2) Develop and test prototype systems related to RF, gradient, and control hardware
- 3) Mentor junior team members and interns
- 4) Coordinate with clinical collaborators from AIIMS and other institutions
- 5) Organize and participate in technical discussions and review meetings
- 6) Support documentation for grant reporting and publications
- 7) Assist in preparing manuscripts and conference presentations

### **Compensation:**

As per industry standards. [Duration: 1 year, extendable based on performance and funding]