



Ref.No.: 2023/TIH-IITR/514

Date: 08/09/2023

ADVERTISEMENT TO FILL UP PROJECT POSITION

Applications are invited from Indian Nationals only for the project position as per the details given below for the Technology Development Project by the Principal Investigator **Dr. Debabrata Sikdar (IIT Guwahati)**, under **Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation** (A Section 8 - Not for Profit Company) at Indian Institute of Technology Roorkee.

- Title of Project:** Development of thin flexible metamaterials as add-ons to MRI-scanners for making MRI more efficient, affordable, and accessible
 - Sponsoring Agency:** Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation
 - Project positions:** Project Engineer
 - No. of Vacancy:** Two
 - Job Location:** IIT Guwahati, Guwahati, Assam
 - Qualifications:** PhD degree in RF & Microwave domain or relevant area **OR** Master's degree in RF & Microwave Engineering (or equivalent) + 3 yrs. Exp. **OR** Bachelor's degree in EE/ECE (or equivalent) + 6 yrs. Exp.
 - Relevant Experience:** Experience in RF antenna and metamaterial design, simulation and fabrication, expertise in CST Microwave Studio Suite and/or Ansys HFSS software
 - Job Description (In Brief):** Design, fabricate, and test RF magnetic metamaterials that can be used as add-on devices to the receive coils of 1.5T & 3T MRI scanners to locally boost magnetic field in the scanned volume, which would lead to a better signal-to-noise ratio in the scanned images and/or also reduce MRI scan time. The project aims at developing, testing, and commercializing such metamaterial add-on devices.
 - Duration of the project:** 13 Months
- Salary:** Rs 47000 per month (with a yearly increment of Rs 1850 p. m.) + HRA (18% of basic)
 - Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 - Candidate should apply by submitting their resume along with self-attested copies of degrees, experience certificates on hr.tih@iitr.ac.in.
- ** The subject of the e-mail should be "Application for the position of Project Engineer for MRI metamaterial design (TIH/RP/05)".**
- Last Date to apply **20th September 2023.**

Main Office: Indian Institute of Technology Roorkee, Uttarakhand- 247667

Branch Office: IIT Roorkee GNEC, Plot No. 20, Park II, Greater Noida-201306



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<https://tih.iitr.ac.in/>

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iHUB DivyaSampark

Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation
A section-8 Company established by Government of India (DST) and IIT Roorkee
under National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS).
CIN No.-U73200UR2020NPL011644

**** Please note that application received after the last date will not be considered.**

- After shortlisting, the candidates will be called for an **ONLINE Interview**.
- Date and time of interview will be communicated via email to the shortlisted candidates only.
- Shortlisted Candidates, appearing for **ONLINE Interview**, should produce the following documents:
 - Cover letter with detailed CV including chronological discipline of degrees/certificates obtained.
 - Experience including research, industrial field and others.

Further details of emailing the above-mentioned documents will be shared with the shortlisted candidates only.

Dr. Debabrata Sikdar

Name & Signature of PI

Manish Anand

Chief Executive Officer
iHUB DivyaSampark

