



Ref.No.: 2024-25/TIH-IITR/060

Date: 06/05/2023

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**, 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:** Associate Project Engineer
 - No. of Vacancy:** Two
 - Location:** IIT Guwahati, Guwahati, Assam
 - Qualifications:** Master's degree in RF & Microwave Engineering (or equivalent) **OR** Bachelor's degree in EE/ECE (or equivalent) plus 3 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:** 5 Months or till the duration of the project, whichever is earlier.
- Salary:** Rs 35000 per month (with a yearly increment of Rs 1400 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.
 - Last Date to apply 16th May, 2024.
- **The subject of the e-mail should be "Application for the position of Assoc. Project Engineer for MRI-metamaterial project".**
- **Please Mention your last CTC in the application.**
- **Please note that application received after the last date will not be considered.**

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

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



tih@iitr.ac.in

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

Office: 01332-285050

IVR No.: 9555336655



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

- After shortlisting, candidates will be called for an **ONLINE Interview**.
- Candidates, appearing for **Interview**, should present the following documents:
 - Cover letter with detailed CV including chronological discipline of degrees/certificates obtained.
 - Experience including research, industrial field and others.
 - Please note that no **TA/DA is not admissible** for attending the interview.

The date and time of interview will be shared with the shortlisted candidates only.

Dr. Debabrata Sikdar
Name & Signature of PI

Manish Anand
Chief Executive Officer
iHUB DivyaSampark

MANISH ANAND
Board Member & CEO
iHUB DivyaSampark
IIT Roorkee



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