



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

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**, 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 of the project:** 13 months.
- 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](mailto:hr.tih@iitr.ac.in).
- \*\*The subject of the e-mail should be "Application for the position of Assoc. Project Engineer for MRI-metamaterial project (TIH/RP/05)".**
- Last Date to apply 20<sup>th</sup> September, 2023.

**\*\*Please Mention your last CTC in the application.**

**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](mailto:tih@iitr.ac.in)

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

**Office:** 01332-285050

**IVR No.:** 9811979317



## 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, candidates will be called for the **Interview**.
- Candidates, appearing for **Interview**, should bring 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

the innovation hub



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

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



**Office:** 01332-285050

**IVR No.:** 9811979317



[tih@iitr.ac.in](mailto:tih@iitr.ac.in)

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