



Ref.No.- 2022/TIH-IITR/898
Project Code- TIH/RP/05

Date: 14/12/2022

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:** Associate Project Engineer
- No. of Vacancy:** One
- Job Location:** IIT Guwahati, Guwahati, Assam & SAMEER Mumbai, IIT Bombay Campus
- 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:** 2 years or end of the project, whichever is earlier

Salary as per non-government organization market norms.

- Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.



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

- 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 **26th December 2022, 11:59 pm.**

**** The subject of the e-mail should be "Application for the position of Associate Project Engineer for MRI metamaterial design (TIH/RP/05)".**

****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

