

To,
The Dean II&SI,
IIT Guwahati

08/12/2021

Sub: Requesting permission to advertise for two job positions in a TIH-Roorkee funded project executed by IIT Guwahati Faculty team

Dear Sir,

I am writing this letter to request you to kindly allow us to advertise for the two job openings at IIT Guwahati for our MRI project funded by TIH Roorkee using IITG portal. Please find the details of the posts below:

1. **Position:** Project Engineer (for developing & testing of RF metamaterials for MRI application)

Duration: 3 years

Salary: Rs 47000 per month (with a yearly increment of Rs 1850 p m.) + HRA (16% of basic).

Last Date to Apply: 23 December 2021

Details: <https://tih.iitr.ac.in/assets/Project%20Engineer%20RP05.pdf>

2. **Position:** Associate Project Engineer (for developing RF metamaterials for MRI application)

Duration: 3 years

Salary: Rs 35000 per month (with a yearly increment of Rs 1400 p. m.) + HRA (16% of basic)

Last Date to Apply: 23 December 2021

Details: <https://tih.iitr.ac.in/assets/Associate%20Project%20Engineer%20RP05.pdf>

Kindly allow us to advertise these positions through IIT Guwahati website for better visibility.

Please let me know should you require more information.

Thank you so much.

Sincerely,



Dr. Debabrata Sikdar (PhD, ME, MSc, BE)
Marie Skłodowska-Curie Fellow, (Imperial College London)
Victoria India Doctoral Scholar, Ph.D. - Gold Medalist (Monash Uni.)
Assistant Professor
Department of Electronics and Electrical Engineering
Indian Institute of Technology Guwahati
Guwahati, Assam, India - 781039
e-mail: deb.sikdar@iitg.ac.in

permission may be given to upload an Advertisement under project positions of II&SI
in the IIT Guwahati website. Best Love

→ HOS (II&SI)

→ Dean (II&SI)

approved
gld



Ref.No. 2021/TIH-IITR/345
Project Code: TIH/RP/05

Date: 03 Dec 2021

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.

1. **Title of Project:** Development of thin flexible metamaterials as add-ons to MRI-scanners for making MRI more efficient, affordable, and accessible
 2. **Sponsoring Agency:** Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation
 3. **Project positions:** Project Engineer
 4. **No. of Vacancy:** One
 5. **Job Location:** IIT Guwahati, Guwahati, Assam
 6. **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.
 7. **Relevant Experience:** Experience in RF antenna and metamaterial design, simulation and fabrication, expertise in CST Microwave Studio Suite and/or Ansys HFSS software
 8. **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.
 9. **Duration of the project:** 3 years or end of the project, whichever is earlier
- Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.

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

*** The subject of the e-mail should be "Application for the position of Project Engineer for MRI metamaterial design".*



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.
- **Salary:** Rs 47000 per month (with a yearly increment of Rs 1850 p. m.) + HRA (16% of basic).
- Last Date to apply **23 December 2021**.
- 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





Ref.No.2021/TIH-IITR/346
Project Code: TIH/RP/05

Date: 03 December 2021

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1. **Title of Project:** Development of thin flexible metamaterials as add-ons to MRI-scanners for making MRI more efficient, affordable, and accessible
 2. **Sponsoring Agency:** Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation
 3. **Project positions:** Associate Project Engineer
 4. **No. of Vacancy:** One
 5. **Job Location:** IIT Guwahati, Guwahati, Assam
 6. **Qualifications:** Master's degree in RF & Microwave Engineering (or equivalent) **OR** Bachelor's degree in EE/ECE (or equivalent) plus 3 yrs. Exp.
 7. **Relevant Experience:** Experience in RF antenna and metamaterial design, simulation, and fabrication, expertise in CST Microwave Studio Suite and/or Ansys HFSS software
 8. **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.
 9. **Duration of the project:** 3 years or end of the project, whichever is earlier
- **Salary:** Rs 35000 per month (with a yearly increment of Rs 1400 p. m.) + HRA (16% of basic)
 - Candidates before applying shall ensure that they are eligible for the position.
 - Candidate should **apply** by filling the **ONLINE** form: <https://forms.gle/gU2NW2Eb1j3jXLEy6>
 - Last Date to apply **23th December 2021**.
- **Please note that application received after the last date will not be considered.***
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Chief Executive Officer
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