



Ref.No - 2022/TEH-IITR/362
Project Code- TIH/CS/03

Date: 28/07/2022

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 **Prof. Saurabh Vijay**, under **Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation** (A Section 8 – Non-profit Company) at Indian Institute of Technology Roorkee.

- Title of Project:** Web based platform for asset monitoring and management using satellite remote sensing
- Sponsoring Agency:** Divyasampark iHUB Roorkee for Devices Materials and Technology Foundation
- Project positions:** Remote Sensing Engineer/Scientist
- No. of Vacancy:** 01
- Location:** IIT Roorkee
- Qualifications:**
 - Masters in any engineering or science disciplines with Geospatial Technology/Geomatics/Geoinformatics or similar domains as majors.
 - Programming in Python or R
- Relevant Experience:**
 - Demonstrated experience in processing optical and SAR remote sensing data.
 - Highly competent in current technologies and open source solutions and be self-driven and able to deliver technical work on schedule within a professional environment.
 - Proficient in machine learning algorithms and concepts
 - Exceptional verbal communication of technical concepts and written documentation of progress and results.
 - Proficiency of at least one of Python or R is a must-have and working knowledge of the other.
 - Need to have experience in handling version control tools like GitHub.
 - Adhere to data science and coding best practices.
 - Expert in Geospatial Information Systems with working knowledge of geographic concepts such as map projections, spatial geometries, spatial autocorrelation and geo-statistics.
- Job Description (In Brief):** Working independently on algorithm development and data processing & analysis in Python. Leading a team of interns and collaborating with diverse stakeholders.
The primary responsibilities of this role, Geospatial Data Scientist/Engineer are to:
 - Develop, test and production of geospatial methods in the agricultural domain.
 - Collaborate with data scientists/engineers/stewards on data extraction and data cleaning.
 - Design, implement and optimize geospatial, statistical and machine learning models based on structured and unstructured data.



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

- Work closely with the student interns and stakeholders for end-to-end product development

9. Duration of the project: 9 months

- 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.
- 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 "Remote Sensing Engineer/Scientist (TIH/CS/03)".**


- Last Date to apply: **8 August, 2022**

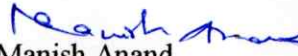
*****Please Mention your last CTC in the application.***

*****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.


Prof. Saurabh Vijay
Name & Signature of PI



Manish Anand
Chief Executive Officer
iHUB DivyaSampark



tih@iitr.ac.in

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

 Indian Institute of Technology Roorkee, Uttarakhand- 247667

 01332-285050

