

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Geospatial Engineering section, Department of Civil Engineering)

Dated: 14 May 2026

ADVERTISEMENT TO FILL UP PROJECT POSITION

Applications are invited from Indian nationals only for a Senior Research Fellow (SRF) project position as per the details given below for the research project under the Principal Investigator (Name: **Dr. Siddhartha Khare**), Department of Civil Engineering, Indian Institute of Technology Roorkee and Co-Principal Investigators

Title of project: Development of Digital Twin of Haridwar City for Effective Urban Management using Geospatial Tools.

1. **Sponsor of the project:** DST, New Delhi
2. **Project position(s) and number:** Senior Research Fellow (SRF): 01 (one position)
3. **Qualifications:**
 - M.E./ M.Tech./ M.S. and B.E./B.Tech in any other equivalent degree in Geospatial Engineering / Geoinformatics/ Remote Sensing & GIS/ Computer Science/Data Science/ Electrical Engineering / Electrical & Electronics Engineering or related disciplines with CGPA above 6.5 (on 10.0 scale) or percentage greater than 65% aggregate irrespective of category.
 - Having at least 2 years of post-Master's degree research/teaching experience, as evidenced by publications in standard refereed journals. *with GATE score card.*
4. **Emoluments:** Rs. 42000/- per month + HRA (As applicable)
5. **Duration:** Until 11th May 2028
6. **Job description:** The SRF will be involved in the research and development of DST-sponsored project. The candidate is expected to have:
 - Knowledge of GIS, Remote Sensing, and Geospatial data processing.
 - Experience with software/tools such as ArcGIS, QGIS, ENVI, ERDAS Imagine, Google Earth Engine, or related platforms.
 - Programming skills in Python/R or related tools.
 - Familiarity with AI/ML techniques for spatial data analysis will be desirable.
 - Experience in drone flying/data acquisition.
 - Willingness to carry out extensive fieldwork and data collection activities.
 - Experience in writing research papers, patents, technical reports, or related scientific documentation will be preferred.

Application Process

1. Candidates before applying for the position shall ensure that they are eligible for the position they intend to apply.
2. Application is only acceptable through following Google form link:
<https://docs.google.com/forms/d/e/1FAIpQLSc2TYtwXfuLoSyrHN-ZgjVYUov2VwdnV2aYoibMgEPIvzuqDQ/viewform?usp=header>
3. **Only shortlisted candidates will be called for an interview. The interview will be online.** Candidate may be asked to show the original degree(s)/certificate(s), and experience certificate(s) at the time of interview/joining for verification.

The last date of application is 5th June, 2026 by 5:00 PM IST. The interview date will be conveyed after shortlisting.

APPROVED

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Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)

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Dr. Siddhartha Khare
Assistant Professor
**Name and signature
of Principal Investigator**