



## INDIAN INSTITUTE OF MANAGEMENT AHMEDABAD

invites applications for

### RESEARCH ASSOCIATES

at the

### KRISHNAMURTHY TANDON SCHOOL OF ARTIFICIAL INTELLIGENCE

The Indian Institute of Management Ahmedabad (IIMA) invites applications for two full-time Research Associate positions in the Land Analytics and Policy research initiative housed within the Krishnamurthy Tandon School of Artificial Intelligence.

The Research Associates will work on cutting-edge interdisciplinary projects involving advanced geospatial analysis, satellite data processing, land use and land cover analytics, spatial AI, and machine learning applications for a range of business, governance, sustainability, infrastructure, and public policy domains.

The position offers an exciting opportunity to contribute to high-impact research at the intersection of remote sensing, GIS, artificial intelligence, spatial data science, and decision analytics. The selected candidate will work with large-scale geospatial datasets, satellite imagery, AI-enabled analytical pipelines, and emerging geospatial foundation models to develop actionable insights for academic, industry, and policy applications.

The Research Associates will contribute to research related to, but not limited to:

- Satellite imagery analytics; Land use and land cover classification and change detection
- Spatial machine learning and deep learning applications
- Geospatial data engineering and spatial database management
- Urban and regional growth and infrastructure analytics
- Environmental and climate-related spatial analysis
- Agricultural and natural resource monitoring
- AI-assisted geospatial intelligence systems
- Policy and business applications of geospatial analytics

The Research Associates will be expected to participate actively in research design, model development, data processing, analytical workflows, technical documentation, publication support, and project coordination activities.

#### **Essential Qualifications & Skills**

Applicants must possess:

1. A postgraduate/Master's degree or a Ph.D. in one or more of the following disciplines:
  - Geoinformatics / Remote Sensing / GIS
  - Data Science / Artificial Intelligence / Computer Science
  - Earth Sciences / Environmental Science
  - Urban Planning / Spatial Planning
  - Engineering, Applied Mathematics, Statistics, or related quantitative disciplines
2. Strong demonstrated expertise in:
  - Geographic Information Systems (GIS)

- Remote sensing and satellite image analysis
  - Spatial data processing and visualization
  - Land use and land cover analysis workflows
3. Proficiency in standard geospatial tools and platforms such as:
    - ArcGIS / QGIS
    - Google Earth Engine
    - A range of geospatial libraries
  4. Strong programming and analytical skills: Strong programming, computational, analytical, and problem-solving skills, with the ability to work across evolving data science, AI, and geospatial technology ecosystems and develop scalable analytical workflows for complex spatial data applications.
  5. Experience working with machine learning and AI methods for geospatial analysis, including:
    - Classification and segmentation models
    - Deep learning frameworks
    - Computer vision approaches for satellite imagery
    - Emerging AI tools and foundation models for spatial analytics
  6. Familiarity with cloud-based geospatial computing environments and large-scale spatial datasets.
  7. Excellent quantitative, analytical, and problem-solving capabilities.
  8. Strong written and verbal communication skills.
  9. Ability to work independently as well as collaboratively in interdisciplinary research teams.

Preference will be given to candidates with:

- Prior research or industry experience in geospatial analytics or spatial AI
- Publications, technical reports, or demonstrable project experience
- Experience handling high-resolution satellite imagery and multi-source spatial datasets
- Exposure to policy-oriented or business-oriented geospatial applications

Candidates not meeting the required qualifications mentioned above **should not apply.**

### **Duration**

This is a full-time on-campus job. The position will be initially offered for a period of 1 year and can be extended depending on performance. The Research Associates may be required to travel within India.

### **Salary**

Compensation will be commensurate with qualification and experience.

### **Application and deadline**

Candidates meeting the above criteria are advised to **APPLY ONLINE ONLY**. The application attachment file should contain the following materials (**as a single consolidated PDF**): 1) a cover letter stating educational and relevant work experience, 2) a detailed CV, 3) a relevant writing/work sample demonstrating experience/expertise in related fields (3-5 pages).

Application deadline: **July 31, 2026.**

Application link: <https://forms.gle/rM59xZkh1pW7Vwt48> (Google sign in may be required)

Shortlisted candidates will be invited for online or in-person interview. We will only contact candidates shortlisted for interview. We will not send out letters of rejection to other applicants. Emails asking for status updates will not be entertained.