



**Job Title:**

Research Fellow (GIS and Spatial Analysis)

**Website:**

<https://www.irma.ac.in/centres-of-excellence-units/verghese-kurien-policy-lab->

**Location:**

Anand, Gujarat

**About IRMA:**

The Institute of Rural Management Anand (IRMA) is a premier national Institute for Postgraduate, Doctoral and Mid-career/in-service education, research, and consulting in rural management. Founded in 1979, IRMA aims to promote sustainable Rural Development through professional management.

**Current work at lab:**

The lab's methodological focus is on Field Experiments, Randomized Control Trials, and Quasi-experiments. VKPL is committed to sharing its research, field-level findings, and developmental strategies with policymakers and implementing agencies. The central research themes of the lab include problems related to livelihood strategies, decentralization and governance, empowerment of women, financial inclusion, the relationship between rural households and markets, provision of public services, and the impact of rights-based schemes and programs. This role will give an opportunity to work on multiple projects that relate to these themes.

**Role Description:**

- Assist VKPL team in liaising with client and government agencies
- Work on obtaining, cleaning, and coding GIS data
- Collaborate on research ideas with the professors and professionals associated with the VKPL and other research staff
- Majority of work will be on spatial analysis, cartography, field staff support, and research and development
- Provide independent data interpretation while effectively maintaining data documentation
- Create and modify GIS datasets, manage and maintain legacy GIS datasets develop and implement GIS-based analysis
- Develop and maintain geospatial data on desktop and mobile applications. Ensure data meets appropriate data accuracy and content standards for quality assurance and quality control
- Ability to independently manage multiple assignments, determine and set job task priorities, and work with limited direct supervision

### **Selection Criteria:**

#### **Educational Qualification/ Technical Skills:**

- Must have a degree in GIS/ Geography/ Agriculture/Environmental studies, or related field with demonstrated capabilities in GIS, spatial data, and machine learning
- Hands-on knowledge of QGIS/ArcGIS software and other tools
- Strong understanding of geodatabases and geodatabase applications
- Ability to work with vector and raster datasets
- Familiar with GPS data collection and data management
- Ability to use and edit shapefiles and geodatabases (personal, file, and enterprise)
- Experience working with different coordinate systems, map projections, and datums
- Familiarity with standard cartographic methods, theories, and principles
- Exposure to designing, building, and testing geospatial datasets as a GIS Developer/Data Engineer or in a related technical role
- Experience with Hydrological modeling, Land and soil change modeling, urban dynamics
- Knowledge of queries and reasoning, measurements, transformations, descriptive summaries, optimization, and hypothesis testing for special analysis.
- Knowledge and experience with data processing using PostGIS, Shape Files, Geodatabases, GDAL

#### **Selection Process:**

- Based on the CVs submitted, the shortlisted candidates will be called for a final interview (online).

#### **Work Experience:**

- Applicants with a minimum of 3 years of work experience.

### **Nature of Appointment:**

The services will be required purely on three years of contract with a three-month probationary period. Based on the performance, and availability of funds, the contract may be further extended.

### **Remuneration:**

Candidates should be available to initiate the work at the earliest. VKPL offers a consolidated remuneration of Rs.65,000/- to Rs.70,000/- per month.



**Required languages:**

Fluency in spoken and written English.

**To Apply:**

Interested incumbents may apply online by April 21, 2024, i.e., 23:59 at the IRMA Portal; <https://irma.ac.in/careers/registration.php>

Please also share your latest CV by email ([vkpl@irma.ac.in](mailto:vkpl@irma.ac.in))

Only shortlisted candidates will be followed up for an assignment and the interview. Candidates who are shortlisted for the first round (assignment) will be directly contacted for a second interview either on the following day or two days after administering the assignment.

**Please Note:**

The IRMA Director reserves the right to relax the advertisement's prescribed selection criteria if a suitable applicant is found fruitful for the position.

The Institute reserves the right to change/apply appropriate shortlisting criteria in case of many applications.

Only short-listed candidates will be called for the interview, and no correspondence/interim inquiries/telephonic inquiries will be entertained.

IRMA is committed to equal opportunities and inclusion of all social groups, including people belonging to minority groups, Gender, Scheduled Castes, Scheduled Tribes, Other Backward Classes, and persons with disabilities.

Mere fulfilling the minimum qualifications and experience prescribed will not make incumbents eligible to be called for an interview.