

JOB DESCRIPTION

Associate / Senior Associate - Spatial Data
Infrastructure, Geospatial Lab (GSL)

About Us

The Indian Institute for Human Settlements (IIHS) is a national education institution committed to the equitable, sustainable and efficient transformation of Indian settlements.

IIHS aims to establish an independently funded and managed national university of eminence for research and innovation focused on the challenges and opportunities of India's urban transition. The proposed IIHS University will be an institution of eminence that will host an integrated programme of quality campus-based education and research, training and lifelong learning for working professionals, distance and blended learning, as well as a whole array of practice and advisory services. The university will have a strong interdisciplinary orientation bringing together theory and praxis that is grounded in the South Asian context and also engages with and draws from knowledge across the globe.

For more information, please see <http://www.iihs.co.in>

About the Geospatial Lab (GSL)

The Geospatial Lab is the centre for spatial research, consulting and capacity building activities at IIHS. It cuts across programmes and teams integrating spatial technology and methods such as GIS, remote sensing, spatial modelling and web services into practice and consulting services as well as inter-disciplinary research. Its location in the IIHS ecosystem makes the Lab uniquely placed to offer customised project design and delivery, on the one hand, and institutional support, capacity building, training and teaching to a diverse range of learners on the other. As it grows, the Lab plans to become a national hub for geo-spatial sciences and technology that combines technological innovation and process expertise with inter-disciplinary knowledge generation.

Job Description

IIHS is looking to hire an Associate / Senior Associate who will contribute to the development of the Spatial Data Infrastructure (SDI) at the IIHS Geospatial Lab. The selected candidate will initially be involved in the development of SDI for ongoing projects such as School and Teacher Education Atlas of India, and the India Flood Monitoring and Impact Assessment Portal (IFMIAP). S/he will be expected to lead and contribute to developing a portfolio of digital and web based interactive spatial applications providing spatial data visualisation and analytical capabilities for a range of research and practice projects at IIHS.

This will be a full-time position based in Bengaluru.

Activities and Tasks

Responsibilities would include, but not be limited to, the following:

- Building GSL Spatial Data Infrastructure including open source WebGIS (spatial data dissemination and visualisation) portal and dashboards;
- Developing pipelines to streamline and visualise outputs from the project by using open-source tools and services;
- Supporting strategic thinking and processes related to advancement of SDI at IIHS;
- Supporting project management and the day-to-day operations of the lab;
- Contributing to ongoing research, practice and capacity building projects;
- Providing support to other IIHS activities including academics, research, training, practice, operations and others;

- Participating in all activities of Institution-Building at IIHS; carrying out tasks as assigned by IIHS; and travelling on IIHS work within or outside the country as and when needed.

Structure and Reporting

The Associate / Senior Associate – Geospatial Lab will report to the Senior Consultant - Geospatial Lab at IIHS and will be required to collaborate effectively with a diverse group of internal teams and external individuals/organisations, and students.

Person Specification

Applicants for this role should have:

- A Bachelor's or Master's degree in Geoinformatics/ Remote Sensing or related disciplines, or a degree in Computer Science, with a minimum of 4 years of relevant work experience;
- Expertise in building WebGIS based applications using open source libraries such as Leaflet, OpenLayers, GeoServer or others;
- Proficiency in at least one programming language (preferably Python) and related spatial libraries;
- Experience in using one or more open source geospatial applications (e.g. QGIS);
- Experience in spatial database querying using PostgreSQL, MySQL or others;
- Familiarity with Open Geospatial Consortium (OGC) standards for web services;
- Strong written and oral communication skills;
- Strong interpersonal skills with the ability to work in highly interdisciplinary teams;
- Openness to working flexible hours from time to time as needed.

Experience in the following would be an added advantage:

- Open Data Cube (ODC) library;
- Cloud-based technologies such as AWS, Azure, GCP;
- Understanding and exposure to Big Data analytics.

This offer is on an exclusive basis, which implies that other professional assignments (whether compensated or not) that bear a potential conflict of interest with IIHS cannot be undertaken.

The search will remain open until the position is filled.

Location

This position is based in Bengaluru and may entail travel to other locations in India.

Review and Assessment

The role and performance of the incumbent shall be subject to normal review and assessment systems at IIHS.

Diversity Policy

IIHS is an equal opportunity employer that encourages women, people with disabilities and those from economically and socially excluded communities with the requisite skills and qualifications to apply for positions.

To apply

If you are interested to explore this opportunity with us, please fill the online application form by clicking [here](#). (You can also click on the "Apply Now" button at the end of the Job Description displayed on the website).

Contact

Please write to us at hr@iihs.co.in if you need any clarifications while filling the online application form.



IIHS Bengaluru City Campus

197/36, 2nd Main Road, Sadashivanagar, Bengaluru 560 080. India.
T: +91 80 6760 6666 | F: +91 80 2361 6814

IIHS Chennai

Floor 7A, Chaitanya Exotica, 24/51 Venkatnarayana Road, T Nagar Chennai
600 017. India. T: +91 44 6630 5500/6555

IIHS Delhi

803 Surya Kiran, 19 Kasturba Gandhi Marg, New Delhi 110 001. India.
T: +91 11 4360 2798 | F: +91 11 2332 0477

IIHS Mumbai

Flat No.2, Purnima Building, Patel Compound, 20-C, Napean Sea Road,
Mumbai 400 006. India. T: +91 22 6525 3874

www.iihs.co.in