



INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

Research & Development Office

ADVERTISEMENT NO. OTH/13514/Advt0341 DATED 08.10.2026

Applications are invited for a temporary position of **Post-Doctoral Fellow** at IIT Gandhinagar. The details are as below:

Name of PI	Prof. Vimal Mishra	Department	Civil Engineering
Project title	Research Project		
Designation	Post-Doctoral Fellow		
Number of positions	One		
Application Link	http://recruitment.iitgn.ac.in/projectstaff/		
Last date of application submission	20 th October, 2026		
Consolidated Monthly Remuneration	Rs. 1,00,000/- per month (Consolidated)		
Duration of appointment	1 year (extendable based on satisfactory performance)		
Eligibility Norms	☒ Institute norms ☐ Funding Agency norms		
Essential Qualification/Experience as per the norms	• PhD in Civil Engineering, Earth Sciences, Water Resources Engineering, Hydrology, or a closely related field. • Candidates who have submitted their doctoral thesis may apply, subject to Institute rules. • Demonstrated research experience in at least two of the following areas: 1. Application of AI/ML in hydrology; 2. Physics-based or physics-guided data-driven modeling; 3. Remote Sensing, GIS, and Surveying for Natural Disasters; 4. Mathematical or hydrological modelling of water systems; • Experience with numerical modelling and scientific programming. • Evidence of research ability through peer-reviewed publications or comparable scholarly outputs. • Strong written and oral communication skills and the ability to work in an interdisciplinary team. <i>The percentage/grade points with respect to the academic qualification will be a minimum 60% or equivalent grade from graduation onwards and 55% or equivalent grade in class 10th and 12th.</i>		
Desirable Qualification/Experience	• Hands-on experience in implementing AI/ML algorithms for various hydrological and climate-related applications. • Hands-on experience with QGIS, Google Earth Engine, and HEC-RAS 2D for urban, riverine, or dam-break flood modelling. • Strong proficiency in Matlab/Python, GIS, remote sensing, and geospatial data analysis. • Strong interest in Digital Twin applications.		
Job Description	• Develop hydrological and hydrodynamic models for flood and drought-related applications. • Develop data-driven hydrological forecasting models, process satellite and sensor observations, and link regional climate projections to water management systems.		

"Merely meeting the minimum eligibility criteria will not guarantee the shortlisting and/or appointment. A higher cutoff level may be used. The Institute reserves all rights, not to call an applicant for a selection test or not to fill up a position through this round of selection process without assigning any reason."



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	• Analyze geospatial, hydrometeorological, remote-sensing, and infrastructure datasets for Indian regions. • Publish in high-quality journals, contribute to project deliverables, and collaborate with students and research partners. • Build AI-driven digital twin platforms by integrating machine learning emulators with supercomputing infrastructure
Contact	Prof. Vimal Mishra Professor, Civil Engineering & Earth Sciences, IITGN Email: vmishra@iitgn.ac.in

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