

Advertisement for the post of Postdoctoral Fellow in the Department of

27 July 2026

Applications are invited from highly motivated candidates with an excellent academic background and strong research skills for the postdoctoral position under the research project titled ***“AI-Driven Multisensor Framework for UAV-Based Seepage Detection and Dam Health Monitoring”*** in the Department of Civil Engineering, IIT Hyderabad.

Applications will be accepted until 03 August 2026 for the following project. Details are as follows:

Name of the post	Postdoctoral Fellow
Number of vacancies	1
Title of the research project	AI-Driven Multisensor Framework for UAV-Based Seepage Detection and Dam Health Monitoring
Description of the job	To develop an integrated UAV–AI framework for large-scale dam health monitoring using multisensor data and advanced machine learning techniques. The position involves designing automated decision-support tools and enabling targeted surface and subsurface investigations.
Appointment period	12 months.
Remuneration	Rs. 80,000/- per month plus applicable HRA
Essential qualifications	☐ PhD in Civil Engineering (candidates who have submitted their Ph.D. thesis but awaiting final viva voce examination may also apply). ☐ Strong publication record, with at least five publications in Q1/Q2 journals. ☐ Demonstrated expertise in AI/ML applications, preferably in areas of geotechnical engineering, remote sensing, or infrastructure monitoring. ☐ First class in B.Tech. and M.Tech. degrees. M.Tech. in geotechnical engg. is preferred.

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- Eligible applicants should send the following documents via email to buma@ce.iith.ac.in with the subject of the email as “Postdoc application”. Without this subject line, the application will not be considered.
1. Those who have submitted Ph.D. thesis but awaiting final viva voce examination should provide scanned copy of the proof from the academic office of the institute.
 2. Candidates will be shortlisted for an interview based on merit, the need of the project, and the shortlisted candidates will be informed via email.
 3. Shortlisted candidates will be called for an online interview. The selected candidate is expected to join immediately.
 4. The following attachments should be submitted with the email.
 - a) Latest CV with photograph.
 - b) Scanned copy of degree certificates and grade sheets/transcripts of BTech and MTech degrees.
 - c) Scanned copy of the DGCA-certified UAV/Drone Pilot certification. This will be an optional requirement.
 - d) The expertise in AI/ML applications, preferably in areas of geotechnical engineering, remote sensing, or infrastructure monitoring, may be given in the form of two paragraph write up.

For any queries, please contact the PI of the project:

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