

Advertisement for Research Associate (RA) positions in the Department of Civil Engineering, IIT Hyderabad

Date of advertisement: 22.09.2023
Last date for application: **11.10.2023**

Applications are invited from eligible candidates with excellent academic background and proficiency in computational modelling and analysis for the positions of Research Associate (RA) in the following two research projects in the Department of Civil Engineering, IIT Hyderabad.

Details of the vacancies:

Name of the post	Research Associate – I
Number of vacancies	2 (total)
Monthly salary	58,000/- + HRA@27%
Appointment period	18 months
Title of the research projects	1. Attenuation of vibration and earth pressure in retaining walls supporting high-speed railway embankments using EPS Geofom 2. Evaluation of dynamic load-settlement characteristics of GraviLoft earth retention system for high-speed railway embankments
Principal Investigator	Dr. M. Roshan Khan, Dept. of Civil Engineering, IIT Hyderabad
Funding agency	Industry sponsor: Savi Infrastructures and Properties Pvt. Ltd., Pune, India
Key responsibilities	<ul style="list-style-type: none"> • Computational modelling and analysis • Constitutive modelling of geomaterials • User subroutines for cyclic load simulations • Analysis of soil-structure interactions • Design and optimization of geotechnical components • Documentation of results and research publications
Essential qualifications	Ph.D. in Civil Engineering with a specialization in Geotechnical Engineering (or allied areas)
Desirable qualifications	<ul style="list-style-type: none"> • Expertise in numerical modelling and analysis • Hands-on experience using FEM packages Plaxis and Abaqus • Strong mathematical and analytical skills • Track record of authoring high-quality research publications

Interested candidates are requested to send the following documents via. email to roshan@ce.iith.ac.in with the subject of the email as “Application for RA position”:

1. Latest CV
2. Scanned copies of degree certificates and grade sheets (Ph.D., M.Tech. and B.Tech.)
3. Statement of purpose
4. PDF copies of the top three research publications

- Shortlisted candidates will be contacted via. email and invited for an online interview.
- The selected candidates are expected to join immediately.
- Accommodation is not available on campus. The candidates are expected to make their own arrangements for the accommodation. HRA will be paid as per norms.