

Call for postdoctoral positions in data-driven modeling of materials

Applications are invited from motivated and qualified candidates for **two** postdoctoral positions in data-driven modeling of materials.

Name of the Post: Post-Doctoral Researcher

Duration: One year (extendable for 1 more year based on performance)

Consolidated salary: INR 72000-84000 per month (as per experience).

Job Description: The successful candidates will conduct research along a broad theme of data-driven modeling of materials. The scope of the research includes, but not limited to, developing phenomenological constitutive models for granular materials, coupling rheology and size-segregation phenomena in flowing granular materials, and leveraging state-of-the-art machine learning tools to develop data-driven alternative to conventional constitutive models. The positions are ideally suited for applicants with a background in computational mechanics. The candidates are expected to publish findings in peer-reviewed journals and present results at reputed conferences. Additionally, you will co-mentor graduate students, contribute to streamlining the lab's computational infrastructure, and assist in preparing competitive funding proposals.

Eligibility: Applicants must hold a PhD in Mechanical/Aerospace/Chemical Engineering, or a closely related field, with work experience in computational mechanics. Applicants must have secured a minimum of 60% marks (or equivalent grade) from the undergraduate level onwards, and at least 55% marks (or equivalent grade) in both Class 10 and 12. Candidates who have submitted their doctoral thesis are also eligible. Strong analytical skills, experience with numerical methods, and working knowledge of MATLAB/Python/Abaqus (or any other computational mechanics tool) are desirable. The candidate should be self-motivated and capable of conducting independent research.

Application Procedure: Interested candidates must apply [online](#) by submitting a curriculum vitae. Applications submitted via email will not be considered. Shortlisted candidates will be invited for an online interview.

Application Deadline: Feb 27, 2026. The selection will be based on an online interview. The shortlisted candidates will be informed regarding the date and time of the interview via email.

Start date: At the earliest convenience following the offer

For any queries, contact Harkirat Singh at harkirat.singh@iitgn.ac.in