Advertisement for Research Assistant

Applicants are invited for the post of Research Assistant (RA) at the Indian Institute of Technology Gandhinagar (IITGN) on a research project titled, **Characterization of shock deformation in glasses via Molecular dynamics simulations and Machine Learning**

The project will involve large scale molecular dynamics simulations model the shock deformation of glasses, followed by applications of Machine Learning techniques to understand the complex structure-property correlations during the shock deformation. The Fellow will be provided suitable amount of intellectual freedom while pursuing research. She/he will also be involved in writing analysis programs to compute properties, attend conferences and write journal articles. The tenure may be extended based on the performance.

Desired experience: Molecular Dynamics simulations; programming; basics of Machine learning.

Qualification: B.E./B.Tech./M.Sc./M.E/M.Tech (graduated or in the final semester) and minimum 60% marks in all degrees from any of the following or related branches: Materials Science and Engineering, Chemical Engineering, Mechanical Engineering, Physics, Engineering Physics, Chemistry.

Consolidated Monthly Pay: ₹ 20,000

Term: 6 months; extendable based on performance

Instructions for submitting applications:
Interested candidates must send their application by email to rraghav@iitgn.ac.in by 19th May for processing on priority. The application should be a single PDF file containing the following documents: (a) CV containing all qualifications, experience, contact details and names of at least two academic references, (b) Grade-sheets/transcripts of completed/ongoing degrees, (c) any other relevant information.

Contact information: Raghavan Ranganathan, Indian Institute of Technology, Gandhinagar.

Email: **rraghav@iitgn.ac.in**