



Indian Institute of Technology Gandhinagar

Palaj, Gandhinagar, 382355-Gujarat, India

Advertisement for Postdoctoral Position

March 17, 2025

Applications are invited for two postdoctoral positions in the area of **reservoir modelling and simulations** with a focus on using machine learning for building nested models of sedimentary structures and simulating the flow of oil, water and gas through them. The selected candidates will carry out research with Prof. Achyut Mishra in the above areas and will be funded by the Institute. More information about the research interests of Prof. Achyut Mishra can be found on: <https://scholar.google.com.au/citations?user=VrsOgCQAAAAJ&hl=en>. More information about the Department of Earth Sciences can be found on: <https://es.iitgn.ac.in/>.

Name of the Position: Postdoctoral Fellow

Salary: Consolidated INR 72,000 (per month)

Qualifications: The applicant should have:

- A Ph.D. degree in a relevant subject, such as **Geology/Geophysics**.
- A strong background in **sedimentology/fluid flow computations/reservoir engineering**.
- Experience with machine learning, COMSOL and Python is desirable.
- Candidates who have submitted their thesis in the mentioned fields are equally eligible.
- The percentage/grade points with respect to the academic qualifications will be a minimum of 60% or equivalent grade from Graduation onwards and 55% or equivalent grade in class 10th and 12th.

Apart from research, the applicant will be expected to contribute to other academic activities of the Institute, including teaching and student mentoring.

Duration: The appointment is for one year, with the possibility of extension for another year based on performance.

Application Process: Applications may be sent directly to Prof. Achyut Mishra at achyut.mishra@iitgn.ac.in. Each applicant should include a single PDF file containing:

- A complete updated CV with the details of all educational qualifications, research experiences, publications, and names of two references.
- A brief summary of doctoral research and most recent research work (maximum 2 pages, excluding references).
- A brief summary of future research plans (maximum 2 pages, excluding references).

Please mention **“Application for Postdoctoral Position – 2025”** as the subject of the email.

Deadline: Applications received by April 20, 2025, will be given priority. The positions will remain open until filled.

Letters of Reference: For full consideration, each applicant must arrange for two letters of recommendation to be sent directly to Prof. Achyut Mishra via email at achyut.mishra@iitgn.ac.in.

