

Dated: 30 July 2026

**Advertisement for the Position of Junior Research Fellow (JRF) under Institute Research Grant (IRG-2603)**

Applications are invited from eligible and motivated candidates for **One (01) Junior Research Fellow (JRF)** to work in the Institute Research Grant (IRG) funded research project under the supervision of **Dr. Piyush Sarkar (Principal Investigator)**. The selected candidate will contribute to research on geological carbon sequestration, reservoir geomechanics, and petrophysical characterization. The details of the project are given below.

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|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title of the Project</b>                   | <b>Geomechanical and Petrophysical Evaluation for Geological CO<sub>2</sub> Sequestration Applications in Indian Sedimentary Basins</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Project Code</b>                           | IRG-2603                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Sponsoring Agency</b>                      | Institute Research Grant (IRG), Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Name of the Post</b>                       | Junior Research Fellow (JRF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>No. of Post</b>                            | <b>01</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Project Duration</b>                       | Three Years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Duration of Appointment</b>                | Initially for Six Months, extendable based on satisfactory performance and continuation of the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Principal Investigator/Co-Investigator</b> | <b>Dr. Piyush Sarkar (PI), Prof. Tushar Sharma (Co-PI)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Essential Qualification</b>                | 1. M.Sc./M.Sc. (Tech)/M.Tech./M.S./Integrated M.Tech./Integrated M.Sc. in Geophysics, Applied Geophysics, Geophysical Technology, Earth Sciences, Geosciences, Applied Geology or equivalent with minimum 60% marks (or equivalent CGPA) from a recognized University/Institute.<br>2. Qualified NET/GATE (valid score of any year).                                                                                                                                                                                                                                                                                         |
| <b>Desirable Qualification</b>                | 1. Knowledge of Geological CO <sub>2</sub> Sequestration, Reservoir Geomechanics, Petrophysics, Rock Physics, Reservoir Characterization, or related areas.<br>2. Knowledge of programming in Python, MATLAB, or C++ will be an added advantage. Experience in scientific programming, numerical modelling, machine learning, GIS, seismic interpretation, or well log analysis will be preferred.                                                                                                                                                                                                                           |
| <b>Research Responsibilities</b>              | The selected candidate will participate in research related to geological CO <sub>2</sub> sequestration, geomechanical modelling, petrophysical evaluation, reservoir characterization, numerical simulations, data analysis, scientific publication, and preparation of project reports. The candidate may also be required to undertake field visits, geological sample and data collection, laboratory testing and characterization of rock samples.                                                                                                                                                                      |
| <b>Fellowship</b>                             | <b>₹37,000/- per month</b> (Consolidated, as per IRG norms).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Terms &amp; Conditions</b>                 | Relaxation in the minimum qualifying percentage of marks and age limit will be applicable as per Government of India rules for SC/ST/OBC/PwBD candidates. Institute Research Grant (IRG) rules and RGIPT regulations shall be applicable. The appointment is <b>purely temporary</b> and co-terminus with the project. Only shortlisted candidates will be informed through <b>Email/Phone</b> . <b>No TA/DA</b> will be paid for appearing in the interview. RGIPT reserves the right <b>not to fill the position</b> if suitable candidates are not found or to modify the selection process without assigning any reason. |
| <b>Silent Point</b>                           | Based on satisfactory performance, the selected candidate may be considered for admission to the Ph.D. Programme at RGIPT, subject to fulfilling the Institute's eligibility criteria and selection procedure.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>How to Apply</b>                           | Interested candidates should send a <b>cover letter, detailed Curriculum Vitae, self-attested copies of educational certificates, mark sheets, NET/GATE score card, research publications (if any), and experience certificates (if any)</b> in a single PDF file to <a href="mailto:piyush.s@rgipt.ac.in">piyush.s@rgipt.ac.in</a> on or before <b>21<sup>st</sup> August 2026 (06:00 PM)</b> . The subject of the email should be <b>"Application for Junior Research Fellow (IRG-2603)"</b> . Original documents must be produced at the time of the interview.                                                           |

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