

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
(Department of Electronics and Communication Engineering)

Dated: Sept 14, 2024

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for the project position as per the details given below for the research project under the principal investigator **Prof. Dharmendra Singh**, Department of Electronics and Communication Engineering, and Prof. Ritesh Kumar, Dept. of Earthquake Engineering, Indian Institute of Technology Roorkee.

1. Title of project: "Development of Auto-change detection system for Gas pipeline RoU surveillance using satellite images"

2. Sponsor of the project: GAIL

3. Project position and number: RA-01, Software Developer-01, JRF-01

4. Duration : Till Nov 14, 2025

5. Positions details:

Project Position	Essential Qualifications	Desirable Qualifications	Emoluments (pm) and Duration	Job description
RA(01)	PHD in Electronics & Communications Engineering/ Computer Science and Engineering or equivalent	Knowledge on MATLAB, C++, Python, Machine Learning, Satellite Image Processing	55000.00	To carry out research work for the above project, to provide online solution to monitor gas pipelines laid across the country using remote sensing/satellite images as optical as well as SAR data
Software Developer (01)	<p>i. M.E/M.Tech in Electronics & Communications Engineering/ Computer Science and Engineering or computer technology and application or equivalent or</p> <p>ii. PHD in Electronics & Communications Engineering/ Computer Science and Engineering or equivalent may be</p>	Knowledge on MATLAB, C++, Python, Machine Learning, Satellite Image Processing, JAVA, HTML	50000.00	Development of prototype, web development, testing etc

Personal
Ritesh

4