



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION

NITR/SR/2022/Advt-23MN022/L/089, dt.24.03.2023.

Applications are invited on prescribed format for the temporary post of "Junior Research Fellow (JRF)" for the Project entitled "DEVELOPMENT OF UAV-BASED NEAR REAL-TIME SURFACE FIRE DETECTION AND DELINEATION SYSTEM FOR COAL MINING AND FOREST REGIONS." Selected candidate may enroll in Ph.D. Programme in the **Department of Mining Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

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| 1. | Project Code | SR/22/MN/038 |
| 2. | Name of the Temporary Post | Junior Research Fellow - 01 |
| 3. | Name of the Research Project | "DEVELOPMENT OF UAV-BASED NEAR REAL-TIME SURFACE FIRE DETECTION AND DELINEATION SYSTEM FOR COAL MINING AND FOREST REGIONS". |
| 4. | Name of the Sponsoring Agency | DST, New Delhi |
| 5. | Tenure of the Project | 3 years |
| 6. | Tenure of the Assignment | Initial for a period of one year (Extendable up to three years on satisfactory performance) |
| 7. | Job Description | Data collection, data analysis, report writing. Scope to enroll as a Ph. D. Scholar in Department of Mining Engineering |
| 8. | Consolidated monthly compensation / Fellowship | INR 31,000 (1st & 2nd year) and INR 35,000 (3rd year) |
| 9. | Essential Qualifications and experience | B.E./B.Tech or M.E./M.Tech or MSc. in any branch with GATE Qualified First class all throughout the career is mandatory. |
| 10. | Desirable Qualifications / Exp. | Experiences in Remote Sensing/GIS Software or Matlab or Python. Knowledge of Hardware related to Drone Operation |
| 11. | Age | As per Institute/DST Norms |
| 12. | Accommodation | Bachelor / Married accommodation in the Institute may be provided subject to availability. |

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : Prof. Amit Kumar Gorai
Address : Department of Mining Engineering
National Institute of Technology Rourkela, Odisha 769 008.
Tel. No. : 0661-246 2615
Mobile : 7749006070
E-mail : goraia@nitrkl.ac.in

Date and Time for **Offline** Interview: **19th April 2023 at 10:00 AM**. Online interview will be entertained in special cases.

Place of Interview: **Department of Mining Engineering, NIT Rourkela**

Eligible candidates may apply within **12th April 2023, 23:59 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to goraia@nitrkl.ac.in. The application form is available in the following link: [http://nitrkl.ac.in/oldwebsite/ Jobs Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/ Jobs Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf) which must be filled by candidates and also required to attach photocopies of all supporting documents, research papers (if any) etc.

Candidates will build a **Single PDF** file; it is to be sent to Principal Investigator (goraia@nitrkl.ac.in) **on or before 12th April 2023, 23:59 HRS**. The candidates are also required to produce relevant documents mentioned in the application form [such as original of all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be canceled in case of any suppression of information / document provided earlier.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

Sd/-
Asst. Registrar (SR)

Copy to:

- 1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
- 2) Prof. Amit Kumar Gorai, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Mining Engineering
- 4) Project file.