



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

NITR/SR/2022/Advt-21PH067/L/002, dt.06.04.2022.

Applications are invited on prescribed format (On-line) for the temporary post of "**Junior Research Fellow**" for the Project entitled "**Physics of Neutron Stars: Constraints from Finite Nuclei to Gravitational Waves**". Selected candidates may enroll in Ph.D. Programme in the **Department of Physics and Astronomy, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	SR/21/PH/067
2.	Name of the Temporary Post	Junior Research Fellow
3.	Name of the Research Project	Physics of Neutron Stars: Constraints from Finite Nuclei to Gravitational Waves
4.	Name of the Sponsoring Agency	SERB
5.	Tenure of the Project	3 Years
6.	Tenure of the Assignment	2022-2025
7.	Job Description	To carry out the reserach work related to Physics of Neutron Stars, candidate with experience of numerical simulations related to the project will get preference. Candidate may register for Ph.D at NIT Rourkela.
8.	Consolidated monthly compensation /Fellowship	For NET/GATE: INR 31,000 / pm for 2 Years, INR 35,000/ pm for the next Year onwards.
9.	Essential Qualifications and experience	a) M. Sc. in Physics with 65% marks or 7.0 CGPA b) Good Programming skills in Python/Fortran c) Valid NET / GATE Score
10.	Desirable Qualifications / Exp.	a) Master thesis project based on Neutron Stars and Gravitational Waves b) Any Research Paper during master project
11.	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. Bharat Kumar (PI)
Address : Department of Physics and Astronomy
National Institute of Technology Rourkela, Odisha 769 008.
Mob. No. : 8368265133
Email. : kumarbh@nitrkl.ac.in

Date of **Online** Interview: **Will be on 10/05/2022.**

Place of Interview: **Department of Physics and Astronomy, NIT Rourkela**

Eligible candidates may apply within **05/05/2022, 2359 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to kumarbh@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 (kumarbh@nitrkl.ac.in) **on or before 05/05/2022, 2359 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 cancelled in case of any suppression of information/document provided earlier.

Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on the 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. Bharat Kumar, PI** with a request to give wide publicity to this advertisement.
- 3) Head of the Department, **Physics and Astronomy**.
- 4) Project file.