



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

NITR/SR/2021/Advt-21CS030/L/035 dt. 29.11.2021.

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF) / " for the Project entitled **"Early detection of breast cancer using deep learning based multimodal image analysis."** Selected candidate may enroll in Ph.D. Programme in the **Department of Computer Science and Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	SR/21/CS/030
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	Early detection of breast cancer using deep learning based multimodal image analysis
4.	Name of the Sponsoring Agency	Department of Health Research, ICMR, Govt, of India
5.	Tenure of the Project	Extendable annually till completion of project, subject to satisfactory performance and availability of fund release by sponsoring agencies.
6.	Tenure of the Assignment	03 Years
7.	Job Description	To simulate and design efficient Deep learning models for detecting breast cancer.
8.	Consolidated monthly compensation / Fellowship	INR 31,000 (1st & 2nd year) and INR 35,000 (3rd year)
9.	Essential Qualifications and experience	M.Tech/ M.E/M.Tech. [R]/M.S. [R] (after B.Tech/ B.E.) in Computer Science and Engineering (CSE)/ IT with 60% marks or 6.5/10 CGPA at both B.E./ B.Tech and M.E./M.Tech levels OR B.Tech/B.E in CSE with GATE score and CGPA above 8.0/10 or marks above 65%. OR M.Sc. (with GATE) in Computer Science / Information Technology
10.	Desirable Qualifications / Exp.	a. M.Tech in Computer Science and Engineering (CSE) /IT b. Knowledge in Image processing and Machine Learning c. Python programming.

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

Name : **Prof. Ratnakar Dash**
Address : Department of Computer Science and Engineering
National Institute of Technology Rourkela, Odisha 769 008.
Tel. No. : 0661-246 2365
Mobile : 9861379338
E-mail : ratnakar@nitrkl.ac.in

Date and Time for **On-line** Interview: **24.12.2021 at 11:00 HRS**

Place of Interview: **Department of Computer Science and Engineering, NIT Rourkela**

Eligible candidates may apply within **17.12.2021, 2359 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to ratnakar@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 (ratnakar@nitrkl.ac.in) **on or before 17.12.2021, 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 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. Ratnakar Dash, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Prof. Durga Prasad Mohapatra
- 4) Project file.