Department of Computer Science and Engineering
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY
ALLAHABAD
Prayagraj-211004

Advertisement No: CSED/001/Project/2025-26   Dated:.26.08.2025

Advertisement for the Post of Junior Research Fellow (On Contract)

Applications are invited from Indian nationals for the post of **Junior Research Fellow [JRF]** (**on contract**) in research project entitled **"Portable 3D X-ray Imaging Diagnostic Tool for Early Disease Detection of TB and Chronic Obstructive Pulmonary Diseases (COPD)"** sanction letter no. **22WS(0031)/2023-24/EMR-II/ASPIRE**, **sponsored by Council of Scientific and Industrial Research [CSIR], New Delhi.**

The position is purely temporary and will be governed by the funding agency CSIR guidelines rules & service conditions of office of the Dean (Research & Consultancy), MNNIT Allahabad, Prayagraj.

The duly filled application (soft copy in PDF) on prescribed format (attached) along with scanned copies of supporting documents must reach to main PI's email id: rajitha@mnnit.ac.in with the subject of the email mentioned as "Application for JRF (on contract) in CSIR - ASPIRE Project" on or before 15/09/2025, 11:59 PM (IST). The shortlisted and eligible candidates will be called for Interview at Department of Computer Science and Engineering, Prayagraj-211004.

Number of Vacancy	1 (One)
Project Title	**Portable 3D X-ray Imaging Diagnostic Tool for Early Disease Detection of TB and Chronic Obstructive Pulmonary Diseases (COPD)**
Department	**Computer Science and Engineering**
Project Tenure	**Three Years**
Job Description	• The project involves design and development of a portable diagnostic tool using 3D X-ray image reconstruction, machine learning algorithms for early disease detection, and testing of the prototype device. • Keep and maintain the record of the work in presentable form (soft as well as hard copy). • Keep a track of contingencies/consumables required for the work. • Carry out the detailed literature survey, writing research papers and technical reports.
Essential Qualifications:	The minimum qualifications are BS 4 years programme /BPharm /MBBS /Integrated BS-MS /MSc /BE /B. Tech or equivalent degree in Engineering Technology or equivalent degree, with 55% marks and passing of valid NET/GATE score/test. *[ME/M.Tech or equivalent degree in Engineering/Technology will also be considered]* *The preference will be given to those candidates who have degrees in field related to Computer Science and Engineering/Artificial Intelligence/ Machine Learning discipline.*

Age Limit:	The upper age limit for JRF shall be 28 years as on the day on which the application is made.
Age Relaxation	The upper age limit is relaxable up to 5 years in the case of candidates belonging to scheduled castes / tribes / OBC, women and physically handicapped candidates.
Fellowship:	Rs. 37,000.00 per month + HRA (for candidate has not been given hostel accommodation (stipend paid/payable will be treated as pay for the purpose of HRA)
Other Benefits:	Accommodation may be available as per the availability and the Institute norms. Candidate selected for the JRF may register for Ph.D. if eligibility conditions as set by Institute is met by him/her. Facility of yearly leave., carryover leave, medical benefits etc. may be available as per CSIR guidelines of the Project.
Tenure of Appointment:	The project is three-year duration. So, appointment will be made on contract basis for a period of one year initially, which may be extended depending on the performance evaluation on yearly basis till the end of project.

Note:
1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The candidate must provide valid E-mail IDs in their applications.
3. The short listed candidate will be called for personal interview. Shortlisted Candidates will be informed by e-mail about the interview date and time. So, the candidate must provide valid Email IDs in their applications.
4. The candidates have to present themselves for the Interview on said date with updated CV, and publications (if any), all relevant documents proving the eligibility for JRF. They must bring attested photocopies of mark sheets/certificates along with originals for verification.
5. Applicants in employment (private, government or any other organization) are required to submit a "**No Objection Certificate**" from the employer at the time of interview.
6. No TA/DA will be paid for appearing in the interview.
7. **For all the above mentioned qualifications kindly verify the proper guideline at https://csirhrdg.res.in/Home/Index/1/Default/3283/63**

Name of Principal Investigator: Dr. Rajitha B, Associate Professor, CSED
Co-Principal Investigator: Dr. Shashwati Banerjea, Assistant Professor, CSED
Department: Computer Science and Engineering
Institute Name: MNNIT Allahabad

APPLICATION FORM

Advt. No: ………………   Date…………………

Research Project Entitled	Portable 3D X-ray Imaging Diagnostic Tool for Early Disease Detection of TB and Chronic Obstructive Pulmonary Diseases (COPD)	Self-Attested recent passport size Photograph
Funding Agency	Council of Scientific and Industrial Research [CSIR], ASPIRE, New Delhi	
Name of P.I.	Dr. Rajitha B.	
Name of Position	Junior Research Fellowship [JRF]	
Department/Section	Computer Science and Engineering	

1.	Name of the Candidate (In Capital letter)	
2.	Sex (Male/Female)	
3.	Marital Status (Married/Unmarried)	
4.	Date of Birth	
5.	Age as on last date of application	………….Years…..…..Months…............Days
6.	Father's/Husband's Name	
7.	Present/Contact Address	
8.	Permanent Address	
9.	Mobile No.	
10.	E-mail	
11.	Nationality/State	
12.	Category	Gen/SC/ST/OBC/PH .... (enclosed attested copy of certificate)
13.	NET/GATE	A. NET: Yes/No; Roll. No.:……....…..,, Year: …………Score/Rank…………… B. GATE: Yes/No; Roll. No .:……...…., Year: …....……Score/Rank……………
14.	Educational Qualification	

Qualification	Subject/Discipline	Board/Institute /Univ.	Year	% of Marks	Division
10th or equivalent					
12th or equivalent					
Diploma, if any					
B.E./B.Tech./B.S./B.Pharm					
M.E./M. Tech*					
Any other degree (if any)					

*Title of B. Tech./M. Tech…………………………………….…………..........................………

15.	Details of Experience in chronological order. Enclose a separate sheet duly authenticated under your signature if necessary							
Organization	Position	Salary/Emoluments	Nature of Duties	Nature of appointment	Period of Experience Year	Month	Days	

16.	Research Publications (Attach list): -	
SCI Journals:		
Non-SCI Journals:		
International Conference/Seminar/Symposium Proceeding:		
National Conference/Seminar/Symposium Proceeding:		
17.	Any other information	
18.	Indicated whether you propose to register for higher degree * at MNNIT Allahabad. Yes/No (Name of higher degree is Ph.D.)	

Note: "Those candidates who wish to be admitted as student for higher degree must fulfill at least the minimum eligibility for the respective admission as available on the institute website.

DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place:
Date:

(Signature of the Applicant)

Enclosure: Self attested copy of documents:
1. Proof of Date of Birth
2. Marksheets & certificates of all the examination passed
3. Category Certificate, if applicable
4. NET/GATE score card, if passed
5. Experience certificate, if any
6. Research publication, if any