Sanction No: Devres/IG2024/00483/MG **Date:** 15/01/2025 **Extramural Project Ref. No.:** IIPRIG-2024-01-00483	**Advt. No.:** NITJSR/CSE/021/2025 **Date of Advertisement:** 28.02.2025

Project Research Scientist - I (Non-Medical) Position under the Indian Council of Medical Research (ICMR) Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	Project Research Scientist - I (Non-Medical)
Number of Position (s)	01
Title of The Project	Development of Low-Cost Artificial Intelligent System for Prediction of Bone Mineral Density (BMD) From Plain Radiographic Images in Osteoporosis Detection
Site-Principal Investigator	**Dr. Jitesh Pradhan** Assistant Professor Department of Computer Science and Engineering National Institute of Technology (NIT), Jamshedpur Jamshedpur – 831014, Jharkhand, INDIA E-mail: jiteshpradhan.cse@nitjsr.ac.in Phone No.: +91-9589633179 (Mobile)
Tenure of Project	The engagement of the above posts will be contractual and purely on a temporary basis and the initial appointment will be for 1 year. The contract will be renewable, subject to satisfactory performance and project requirements. The total project duration is 3 years.
Job Description (in maximum of 100 words)	• To develop a prototype model and perform simulation related to the project theme. • To write draft reports, manuscripts, patents, etc.
Essential Qualification	• ME/M.Tech, including the integrated PG degrees in CSE/IT/ECE • For Four Years of B. Tech in CSE/IT/ECE with One Year of Research Experience.
Desirable Qualification	• GATE/NET • Basic understanding of Image Processing, Machine Learning, and Deep Learning • Good programming skills in MATLAB/Python • At least one Publication in the SCIE Journal
Age and Relaxation (if any)	The upper age limit is 35 years as of the last date of form submission. (Age relaxation of 5 years is applied for SC/ST/OBC/PH/Female Candidate as per GoI rules)
Fellowship	The candidate will be paid a stipend of **Rs. 56,000 + 10% HRA** per month (Initial Gross stipend **Rs. 61,600** per month) for the first two years and a 5%

	hike in salary for the third year based on the performance.
Last Date & Time	Interested candidates are requested to send their dully filled application form and copies of educational certificates, age proof, NET/GATE certificate, experience certificates, and category certificate (if applicable) in a single pdf file within 14 days from the date of advertisement through e-mail at **jiteshpradhan.cse@nitjsr.ac.in**. For clarification of any other query the candidates can directly contact the PI through call/WhatsApp on **+91-9589633179**.

Shortlisted candidates will be informed of the date of the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements of the project and will be informed through Email. All the candidates should make their own arrangements for their stay at Jamshedpur, if required. No TA/DA will be paid to attend the interview.

(Signature of PI)

(Dr. Jitesh Pradhan)

ASSISTANT PROFESSOR
Dept. of Computer Sc. & Engineering
National Institute of Technology
JAMSHEDPUR - 831014 (INDIA)

Application Form

Application Form for ICMR-Funded Extramural Research Project "Development of Low-Cost Artificial Intelligent System for Prediction of Bone Mineral Density (BMD) From Plain Radiographic Images in Osteoporosis Detection", at Department of CSE, National Institute of Technology (NIT) Jamshedpur.

Full Name (In block letters):

Father's Name:

Sex: Marital Status:

Date of Birth & Age:

Correspondence address:

Permanent Address:

Contact number:

Email ID:

Affix a Passport size photo

*Details of academic & technical qualifications (High School and above. Start from recent):

S. No.	Qualification	Name of Board/University	Year of Passing	Percentage of Marks
1.				
2.				
3.				
4.				
5.				

*Details of Work/Research Experience (After obtaining eligible qualification):

S. No.	Post	Name of the Institution	From (DD/MM/YY)	To (DD/MM/YY)	Total Experience	Duties & Responsibility
1.						
2.						

(Attach the self-attested copies of educational qualifications, work/research experience and publications)

Details of Publications:

Author(s) Name	Title	Journal /Conference Name	Vol.	Year of Publication

Present employment (if any): _____

Declaration:

I hereby declare that the above-mentioned details are true, complete, and correct to the best of my knowledge and belief. In case anything furnished by me ultimately turns out to be false, it will lead to the cancellation of my candidature.

Date: Place:

Name: (Signature)

Enclosure attached:

1.

2.

3.

4.

5.