यांत्रिकी अभियंत्रण विभाग
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
प्रयागराज - 211004 (भारत)
Mechanical Engineering Department
Motilal Nehru National Institute of Technology Allahabad
Prayagraj - 211004 (India)

Advertisement No. - /2022/Project Staff   **Dated**-20/06/22

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

Applications are invited from Indian nationals for the post of **Junior Research Fellow (on contract)** in the research project entitled "**Point-of-care AI technology based X-ray imaging device for automated early diagnosis of viral respiratory diseases**" sanction order no. TDP/BDTD/05/2021 (G), dated 23/03/2021 sponsored by the Department of Science and Technology under Biomedical Device and Technology Development Programme, GOI, New Delhi.

The duly completed application (soft copy in any form) in prescribed format along with scanned copies of supporting documents must reach to email id: **mukulshukla@mnnit.ac.in** (email id of Prof. Mukul Shukla, Mechanical Engineering Department) with the subject of the email as "Application for JRF (on contract) in DST Project" on or before **July 11, 2022, 5.00 PM (IST)**.
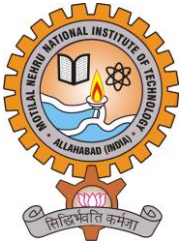
Description and Objectives of the Project: In this project, aim is to build depository for chest X ray data for various viral respiratory diseases and use AI for respiratory viral diseases diagnosis. The aim is also to deploy the developed AI models by integrating them with mobile digital systems for fast, accurate, point-of-care diagnosis. The project is for thirty months.

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

Number of Position	:	01 (One)
Essential Qualifications	:	B.E/B.Tech (Mechanical Engineering) and M.Tech. in Mechanical Engineering and other related branches with marks not below 60% or CPI 6.5. GATE / NET qualified.
Desirable Experience	:	One year of research experience in a related area along with relevant publications. **Preference will be given to candidates having knowledge of AI, MATLAB, Python, and Arduino software.**
Fellowship	:	31,000.00 per month (Consolidated) + HRA (as per norms), depending on availability of funds
Other Benefits	:	Accommodation may be available as per the availability and the Institute norms. The facility of yearly leave, carryover leave, medical benefits etc. may be available as per the applicable rules for the project staff.
Age Limit	:	30 years on the last date of application (The upper age limit is relaxable up to 5 years in the case ofcandidates belonging to SC/ST/OBC/PH and women candidates)
Tenure of Appointment	:	The appointment will be made on a contract basis up to six months initially, which may be extended depending on the performance till the end of the project.

Note:
1. The applicant will be responsible for the authenticity of the information, other documents and photographs submitted.
2. The Institute reserves the right to accept applications at any time, and consider candidates of exceptional credentials without applications.
3. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates.
4. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for an Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
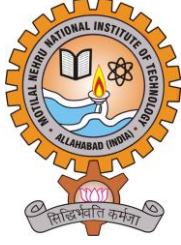
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5. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid E-mail IDs in their applications.

6. Shortlisted candidates have to present themselves for the interview on the interview date with an updated CV, publications if any and original and self-attested photocopies of mark sheets/ certificates in support of their academic qualifications. **Due to COVID-19, the mode of interview will be informed to the shortlisted candidates via the email id provided in the application form.**

7. 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.

8. No TA/DA will be paid for appearing in the interview.

Name of Principal Investigator : Prof. Mukul Shukla
Designation   **:** Professor
Department   **:** Mechanical EngineeringDepartment

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For office use only

Application No……………

APPLICATION FORM

Advt. No. ………………………   **Dated**………………
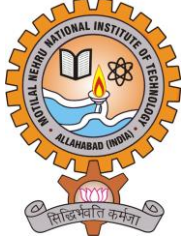
Research Project Entitled	Point-of-care AI technology based X-ray imaging device for automated early diagnosis of viral respiratory diseases	Self-Attested recent passport size Photograph
Funding Agency	Department of Science and Technology under Biomedical Device and Technology Development Programme	
Name of P.I.	Prof. Mukul Shukla	
Name of position	Junior Research Fellow (on contract)	
Department/Section	Mechanical Engineering Department	

1.	Name of the Candidate (In Capital letters)	
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 _____ (enclose Self-attested copy of certificate) and women
13.	GATE / NET	A. GATE: Yes / No; Roll. No.:_____, Year:_____, Score/Rank_____ B. NET: Yes / No; Roll. No.:_____, Year:_____, Score/Rank_____
14.	Educational Qualification	

Qualification	Subject/Discipline	Board/Institute/Univ.	Year	% of marks/CPI	Div.
10th or equivalent					
12th or equivalent					
Diploma, if any					
B.E./ B.Tech					
M.E.*/ M.Tech*					
Ph.D.**					

*Title of M.E/ M.Tech. Thesis: ……

**Title of Ph.D. Thesis: ……

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Prayagraj - 211004 (India)

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): -	Numbers	
	SCI Journals		
	Scopus Indexed 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 a 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 a higher degree must fulfil 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: Signature of the Applicant
Date:

Enclosure- Self attested copy of documents
1. Proof of Date of Birth.
2. Mark sheets & certificates of all the examinations passed.
3. Category Certificate, if applicable.
4. GATE / NET score card, if passed.
5. Experience certificate, if any.
6. Research Publications, if any.