



**Mechanical Engineering Department**  
**Motilal Nehru National Institute of Technology Allahabad**  
Prayagraj - 211004 (India)

Advertisement No. - /2022/Project Staff

Dated-12/09/22

**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](mailto: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 **October 03, 2022, 5.00 PM (IST)**.

**Description and Objectives of the Project:** In this project, the aim is to build a portable Xray device and a data repository for chest X ray data for various viral respiratory diseases and use AI integrated with the device for respiratory viral diseases diagnosis. The aim is also to deploy the developed AI models by integrating them with the portable mobile digital system 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, Electronics, Computer Science, IT, Electrical, Instrumentation or any Engineering branch allied to the project scope) and M.Tech. in any related Engineering branch to the project scope, with marks not below 60% or CPI 6.5.
- Desirable Experience** : Six months minimum experience in a related area along with relevant testimonials. **Preference will be given to candidates having knowledge of IOT, Hardware integration, Sensors, 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 of candidates 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.



**Mechanical Engineering Department**  
**Motilal Nehru National Institute of Technology Allahabad**  
Prayagraj - 211004 (India)

**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.
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 Engineering Department