संगणक विज्ञान एवं अभियांत्रिकी विभाग

मोतीलाल नेहरू राष्ट्रीयप्रौद्योगिकी संस्थानइ लाहाबाद, प्रयागराज - 211004 (उ०प्र०), भारत

Department of Computer Science & Engineering

Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004

(U.P.) India

Advertisement No.: 809/R&C/2023-24   **Date**: 21/12/2023

Advertisement for the Post of Junior Research Assistant (JRA)(on-contract)

Applications are invited from Indian nationals for the post of **Junior Research Assistant (JRA)(on-contract)** in research project entitled "**Artificial Intelligence based Real-Time Posture Correction System for Desk Workers in Medical Settings using Wearable Devices and Computer Vision**" **Project ID 2566** Sanction letter No. CST/D-1394 dated 20/10/2023. The duly completed application on prescribed format along with copies of supporting documents must reach to: **Research & Consultancy Cell, Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004** on or before **10/01/2023** (i.e. 21 days from the date of advertisement). The envelope should be superscripted as "**Application for the post of Junior Research Assistant (JRA)(on-contract)**in the Research Project"**Artificial Intelligence based Real-Time Posture Correction System for Desk Workers in Medical Settings using Wearable Devices and Computer Vision**". A soft copy of the application should also be sent to **Dr. Rupesh Kumar Dewang(Principal Investigator) and Dr. Ranvijay(Co-Principal Investigator)** through email:**rupeshdewang@mnnit.ac.in** and **ranvijay@mnnit.ac.in**

Description and Objectives of the Project: The project's goals are to design and develop a real-time posture correction system for desk workers utilizing wearable technology and computer vision, and they are as follows:

• Develop a computer vision-based, wearable posture monitoring and correction solution specifically designed for office employees, that offers real-time feedback and individualized corrective tools to encourage the maintenance of healthy postural habits.
• Design a user-friendly mobile application that integrates with the posture monitoring and correction system to provide users with a clear visualization of their postural patterns in real-time feedback.
• Evaluate the efficiency and usability of the posture monitoring and correction system through extensive data analysis and user testing, ensuring the solution meets the desired outcomes.
The position is purely temporary and will be governed by the Funding agency rules and service conditions of Research & Consultancy Cell, MNNIT Allahabad.

Number of Position: 01 (one)

Essential Qualifications:

1. B.E./B.Tech./MCAand/orM.E./M. Tech, MCA and/or inComputer Science Engineering/Information Technology or equivalent with minimum 60% aggregate marks or CPI 6.5 at qualifying examination. GATE/NET qualification is preferred.
2. The applicant must be resident of Uttar Pradesh.

Desirable Qualifications: Working knowledge on Image Processing, Deep learning/Machine learning.

Fellowship: Rs.25,000/- per month (Consolidated) for two years [as Junior Research Assistant (JRA)

Project Duration: Two Years

Other Benefits: Candidate selected for the JRA may register for the Ph.D. program of the Institute, if he/she meets the eligibility criteria of the Institute for PhD admission. The candidate may refer to the MNNIT website for detailed eligibility criteria. Facility of yearly leave carryover leave, medical benefits etc. may be available as per applicable rules of the project staff.

Age Limit : 28 years on the last date of application (The upper age limit is relaxableup-to five years in case of candidatesbelong to SC/ST/OBC/PH and Women candidate.

Tenure of Appointment: 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. The tenure of the project is two years which starts from the date of joining of Junior Research Assistant (JRA).

Note:

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.

2. The Institute reserves the right to accept application at any time, and consider candidates of exceptional credentials without applications. The selection committee has the discretion to restrict the number of candidates to be called for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement or qualification and experience may also be relaxed at any point of time for exceptional candidates.

3. Mere possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.

4. Only shortlisted Candidates will be informed by e-mail about the interview dates. So, they must provide their valid Email IDs in their applications.

5. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications.

6. 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.

7. No TA/DA will be paid for appearing in the interview (if conducted in physical mode)

8. The candidate is expected to join immediately, if selected.

Name of Principal Investigator: Dr. Rupesh Kumar Dewang

Name of Co-Principal Investigator : Dr. Divya Kumar and Dr. Ranvijay

मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद, प्रयागराज – 211004 (उ०प्र०), भारत

Department of Computer Science & Engineering

Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004 (U.P.) India

For office use only

Application No................

APPLICATION FORM

Advt. No.........................

Dated....................

Research Project Entitled:"Artificial Intelligence based Real-Time Posture Correction System for Desk Workers in Medical Settings using Wearable Devices and Computer Vision".	**Self Attested recent passport size Photograph**
Sanction letter &Date: No. CST/D-1394 dated 20/10/2023	
Funding Agency: Council of Science and Technology (CST), U.P	
Name of P.I.& Co-PI: Dr.Rupesh Kumar Dewang(PI), and Dr. Divya Kumar(Co-PI_, Dr. Ranvijay(Co-PI)	
Name of position: Junior Research Assistant (JRA) (on contract)	

Department/Section: Computer Science & 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	PresentContact Address	
8	Permanent Address	
9	Mobile No	
10	E-mail	
11	Nationality	
12	Category	Gen/SC/ST/OBC/PH (enclosed attested copy of certificate)
13	NET/GATE	Valid up to Score/Rank
14	Educational Qualification	

Qualification	Subject/Discipline	Board/Institute/Univ.	Year	% of marks	Div.
10th					
12th					
Diploma (if any)					
B.E./B. Tech.					
M.E./M.Tech.					
Other					

Title of M.E./M.Tech. Thesis: ....

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** **Years**	**Months**	**Days**

16	Research Publications (Attach the list) (if any)	**Numbers**
i) SCI Journal Publications		
i) Non SCI Journal Publications		
iii) International/ Conference/Seminar / Symposium Proceeding		
iv) National Conference/Seminar /Symposium Proceeding		
17	Any other information	
18	Indicated whether you propose to register for higher degree* at MNNIT Allahabad. (Name of higher degree is PhD)	**Yes/No**

*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.

<u>DECLARATION</u>

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(s): Self attested copies of the following documents.

1. Proof of Date of Birth

2. Mark sheets & certificates of all the examination passed

3. Category Certificate, if applicable

4. **Residential Certificate: Uttar Pradesh Domicile Certificate**

5. NET/GATE score card, if passed

6. Summary of B.E./B.Tech. Project, M.E/M.Tech Thesis/MCA project (1or 2 pages), if any

7. Experience certificate, if any

8. CV