

Department of Applied Mechanics
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY
Allahabad – 211 004 (India)

Advertisement No. /AMD/Project Staff/2025

Dated-18-09-2025

Advertisement for the Post of JRA on CONTRACT

Applications are invited from **Indian nationals who are resident of Uttar Pradesh** for the post of **Junior Research Assistant (JRA) (on contract)** in research project entitled **“Patient-specific Hemodynamic Modelling of Intracranial Aneurysm Associated with Arterial Spasm”** funded by Council of Science & Technology, Uttar Pradesh. 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 **25/10/2025**. The envelope should be superscripted as **“Application for the post of Junior Research Assistant (JRA) (on contract) in the Research Project “Patient-specific Hemodynamic Modelling of Intracranial Aneurysm Associated with Arterial Spasm”**. A soft copy of the application should also be sent to Dr. Saurabh Bhardwaj, Assistant Professor, Department of Applied Mechanics & Principal Investigator through email saurabh.amd@mnnit.ac.in (Dr Saurabh Bhardwaj). The position is purely temporary and will be governed by the Funding agency rules and service conditions of Research & Consultancy Cell, MNNIT Allahabad.

- Name of Position** : **Junior Research Assistant (JRA) (on contract)**
- Number of Position** : 01 (one)
- Tenure of Appointment** : Appointment will be made on contract basis initially for a period of **One year only**. Further, the contract may be extended depending on the performance evaluation and availability of the fund.
- Essential Qualifications** : Bachelor of Engg./Technology (B.E./B. Tech.) or equivalent degree. Candidates having Master’s degree in Fluids Engineering/Biomedical Engineering will be given priority. Candidates must have High academic attainment with 1st class in graduate and post-graduate examination.
- Desirable Qualifications** : A good knowledge of Ansys-Fluent/OpenFOAM and related computer programming. Preference will be given to the candidate having experience/knowledge of computational fluid dynamics (CFD)/Fluid structure interaction (FSI) and segmentation of CAD model from scans. ***All the applicants are required to attach a 2page summary of the research work done in the past.***
- Fellowship** : ₹25,000/- pm (Consolidated)
- Other Benefits** : Facility of yearly leave, carryover leave, medical benefits etc. may be available as per applicable rules of the project staff.

Age Limit : 28 years as on 1st April 2025. However, the Selection Committee may marginally relax these criteria in most deserving cases where the applicants otherwise found suitable for specific research program for special qualifications research experience.

Note:

1. **The offer to join the post will be made after receiving the funds only.**
2. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
3. The Institute reserves the right to reject application at any time and consider candidates of exceptional credentials without applications. 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 Interview. The Candidates will be shortlisted on the basis of merit, the summary of previous work in the related area and need of the project.
5. Shortlisted Candidates will be informed by e-mail about the interview dates. So, they must provide their valid Email IDs in their applications.
6. 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. The Interviews may also be conducted via online mode on MS Teams.
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 (if conducted in physical mode)

Name of Principal Investigator	:	Dr. Saurabh Bhardwaj
Designation	:	Assistant Professor
Department	:	Applied Mechanics



डीन (अनुसंधान एवं परामर्श) का कार्यालय
 मोतिलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद
 प्रयागराज – 211 004 (भारत)
 OFFICE OF THE DEAN (RESEARCH AND CONSULTANCY)
 MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
 Prayagraj – 211 004 (India)
 Website: <http://www.mnnit.ac.in>

Application No.....

For office use only

Date.....

APPLICATION FORM

Advt. No.....

Dated.....

Research Project Entitled Patient-specific Hemodynamic Modelling of Intracranial Aneurysm associated with Arterial Spasm (Project ID: 5602)
Sanction letter & Date CST/D/Biotech-1288
Funding Agency CST-UP
Name of P.I. Dr. Saurabh Bhardwaj
Name of Position Junior research Assistant (JRA) (on contract)
Department/Section Applied Mechanics

**Self-Attested
recent passport
size Photograph**

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				
12.	Category	Gen/SC/ST/OBC/PH _____ (enclosed attested copy of certificate) and women			
13.	NET/GATE	Valid up to _____ Score/Rank _____			
14.	Educational Qualification				
	Qualification	Subject/Discipline	Board/Institute/Univ.	Year	% of marks
	10th or equivalent				
	12th or equivalent				
	Diploma, if any				
	B.E./B.Tech.				
	M.E./M.Tech				

Title of B.E./B.Tech. project:

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 Year Month Days		
16.	Research Publications (Attach list):-			Numbers :			
SCI Journals :							
Non SCI Journals :							
International Conference/Seminar ./ Symposium Proceeding :							
National Conference/Seminar ./Symposium Proceeding :							
17.	Any other information	(i) Computer proficiency including knowledge of computer programming languages. (ii) Exposure to commercial software (Ansys-Fluent/OpenFOAM). (iii) Written and Oral Communication Skills (Rate yourself in a scale of 1 to 5 where 1 means 'poor' and 5 means 'excellent' in the above categories. You may also write/attach documents in support of your claims)					

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 examination passed
3. Category Certificate, if applicable
4. NET/GATE score card, if passed
5. Two-page summary of previous research work done
6. Experience certificate, if any