



मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान भोपाल

भोपाल, मध्य प्रदेश, 462003

Maulana Azad National Institute of Technology Bhopal

Bhopal, Madhya Pradesh, 462003

Advertisement for Junior Research Fellow (JRF)

(Advertisement No: MECH/2026/JUN/00070; Dated:30/06/2026)

File Number: ANRF/IRG/2025/001537/ENS

Dated 30/06/2026

Applications are invited from **highly motivated, dynamic, and research-oriented candidates** for the position of **Junior Research Fellow (JRF)** (for 2 years), extendable to **Senior Research Fellow (SRF)** (for 1 additional year based on performance), under a research project entitled “*Hydrodynamic analysis and biosensor design using non-uniform cantilever beams resonator in Newtonian and Non-Newtonian Fluids: Analytical, Numerical and Experimental studies*” funded by the Department of Science and Technology (DST)-Anusandhan National Research Foundation (ANRF) for a duration of 36 months vide sanctioned file no. ANRF/IRG/2025/000502/ENS dated 15/06/2026.

The details of the position are given below:

Name of the Post	Junior Research Fellow (JRF)
Number of Post	1 (One)
Principal Investigator	Dr. Lalsingh Devsoth Assistant Professor Department of Mechanical Engineering Maulana Azad National Institute of Technology (MANIT) Bhopal, Madhya Pradesh, India – 462003 Mobile: 9121766754 Email: lalsingh@manit.ac.in / lalsingh.d@gmail.com
Age Limit	Should not be over 33 years as on the date of advertisement. There may be age relaxation as per the Government of India (GOI) rules for SC/ST/ OBC/ Women and Physical Handicapped candidates.
Tenure of Project	Initially for 1 year, extendable up to 3 years based on performance and project requirements. <i>(The total project duration is 3 years. During the 1st and 2nd years, the candidate will be appointed as a Junior Research Fellow (JRF). In the 3rd year, the candidate will be promoted to Senior Research Fellow (SRF) (subject to eligibility and performance).)</i>
Essential Qualification	M.E./ M.Tech/ M.Sc in Mechanical / Automobile / Production / Material science/ Manufacturing / Mechatronics / Electronics/ Physics / Agriculture /Mathematics or in relevant specialization (Design, Thermal, Tribology, Materials, Mechatronics, Embedded Systems, Electronics, Thermal, etc.) OR



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	<p>Candidates with a B.Tech./B.E. or an Integrated Professional Degree in the relevant field of expertise are also eligible to apply, provided they have secured a minimum CGPA of 7.5 on a 10-point scale and possess a valid qualification in a National Eligibility Test (GATE).</p>
Desirable Skills	<p>Candidates with one or more of the following will be preferred:</p> <ul style="list-style-type: none">➤ Knowledge of MEMS/NEMS / Dynamics and Vibration / Fluid Mechanics / Machine Design/ Thermal / Fluid Structure Interaction/ Micro Fluidics➤ Understanding of basic Electronics, Sensors, Signal Processing, and Data Acquisition Systems (DAQ) and Python/MATLAB coding.➤ Experience in embedded systems, microcontrollers (Arduino, Raspberry Pi, etc.)➤ Familiarity with Energy Harvesting / Smart Materials / Meta Materials➤ Hands-on experience with CAD/CAE tools (ANSYS, MATLAB, SolidWorks, COMSOL etc.)➤ Strong technical writing and research publication skills
Job Description	<p>The selected candidate will be primarily responsible for conducting experimental, numerical, and analytical research in the areas of fluid–structure interaction, MEMS, microfluidics, energy harvesting, and smart sensing systems. The work will involve the design and development of biosensors with various configurations to enhance their sensitivity and performance in different fluid environments. The candidate will also be responsible for setting up and conducting laboratory experiments, operating instrumentation and data acquisition systems, and performing detailed data analysis and interpretation. In addition, the candidate will contribute to prototype development, testing and validation, and support interdisciplinary research activities involving materials, mechanics, fluid, electronics, and computational engineering (ANSYS/OpenFOAM/COMSOL).</p>
Fellowship	<p><i>Fellowship as per DST-ANRF Norms</i></p> <p>For Junior Research Fellow (JRF): ₹37,000/- + HRA</p> <p>For Senior Research Fellow (SRF): ₹42,000/- + HRA</p>
Add on Benefits	<p>The selected candidate is eligible to register for Ph.D. degree at MANIT Bhopal as per the Institute Norms.</p>
How to apply	<p>Applicant must fill out the application form in the prescribed format available on the institute website (www.manit.ac.in) along with this advertisement, attached a detailed CV, and include self-attested copies of all certificate and documents mentioned in the application. The complete application should be send via email to lalsingh@manit.ac.in</p> <p><i>*Applicant are strictly advice not to provide any false or misleading information. Submission of incorrect or fabricated details may lead to cancellation of candidature at any stage of the selection process.</i></p>



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	<i>The last date for submitting application is <u>20/07/2026</u></i>
Mode of selection process	After shortlisting, the selected candidate will be informed about the interview through official channels. The interview may be conducted on online/ offline mode, and detailed instruction will be communicated to the candidate via email.
Tentative date of the Interview	Date of interview: 24/07/2026 Reporting Time: 10:00 AM Venue: Committee Room, Ground Floor, Mechanical Engineering Department, MANIT Bhopal.

General Terms and Conditions:

1. CV should include complete information such as academic grades/percentage starting from Xth standard onwards with the details of year of passing, university or college, GATE score with year, discipline, marks, All India Rank, contact details and a valid email ID. Kindly mention the work experience in detail of the related field. Incomplete applications will be rejected.
2. Only those candidates who are present before the reporting time on the scheduled date will be considered for the Interview. Candidates reporting after the scheduled reporting time for document verification shall NOT be eligible to appear for the Interview.
3. MANIT Bhopal has the right to cancel the recruitment for the aforesaid post at any time without providing any clarifications/information.
4. The equivalency criteria shall be determined by the committee in accordance with the rules of MANIT, and the committee's decision will be final and binding.
5. No interim correspondence will be entertained and canvassing in any form will lead to disqualification.
6. No TA/DA will be paid for attending the Interview.
7. The post is purely on a temporary basis and the Institute will not have liability whatsoever for sustaining temporary staff recruited under the above-mentioned project, after its completion/termination.
8. Candidates are requested to email their latest CV prior to the interview. For any queries related to the project, they may contact Dr. Lalsingh Devsoth via email.

Contact:

Dr. Lalsingh Devsoth

Assistant Professor and PI

Mechanical Engineering Department

Maulana Azad National Institute of Technology Bhopal 462003.

Email: lalsingh@manit.ac.in / lalsingh.d@gmail.com

Phone: +91-9121766754



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Application forms the post of JRF for ANRF -funded Research Project on “Hydrodynamic analysis and biosensor design using non-uniform cantilever beams resonator in Newtonian and Non-Newtonian Fluids: Analytical, Numerical and Experimental studies”

Adv No.: MECH/2026/JUN/00070

Personal Details:

Name of the Applicant	
Category (Gen/EWS/OBC/SC/ST)	
Gender	
Date of Birth	
Marital Status	
Correspondence address	
Email id	
Mobile Number	

Paste Passport Size
Photo

Educational Qualifications:

Degree	Name of the Institute/University	Subjects/ Specialization	Division	Percentage	Year of Completion
BE/BTech/B.Sc					
ME/M. Tech					

Professional Experience details:

Name of the Organization	Position in the Organization	Total Experience (in years)	Appointment Type (Permanent/Contractual)	Nature of Work

Other details:

GATE/NET, examination(Roll	
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no./score card/rank), qualification details	
Knowledge of any software/simulation tools (give details)	
Publication details, if any	

I agree with the following terms and conditions:

- No TA/DA will be paid to attend the interview.
- The above position is purely temporary and on a contract basis and co-terminus at any time from the project without any notification.
- Continuation will depend on the satisfaction of research performance.
- If selected, I will not be permitted to claim for any regular/part-time appointments in the institute.
- Canvassing in any form will disqualify my candidature.

The filled-in application form, curriculum vitae and photocopy of the relevant documents are attached along with this form.

Date:

Place:

Signature of the Applicant