

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR
Jawaharlal Nehru Marg, JAIPUR-302017, Rajasthan, INDIA
Department of Mechanical Engineering
Website: <http://www.mnit.ac.in>

29/06/2026

Advertisement for the post of Junior Research Fellow (JRF) and Research Associate – III (RA-III) under ANRF-ARG funded Research Project

Applications are invited from Indian nationals for the post of **Junior Research Fellow (JRF) and Research Associate - III (RA-III)** to work on the research project titled “**Development of an Intelligent AI-Based Framework for Assessment of Structural Integrity of Combat Vehicles**” sponsored by Anusandhan National Research Foundation (ANRF) through its Advanced Research Grant (ARG) Program under the supervision of **Prof. Amar Patnaik**, Professor in the Department of Mechanical Engineering, MNIT Jaipur, Rajasthan. The positions are purely temporary and co-terminus with the project. The total duration of the project is five (05) years. However, the appointment will initially be made for a period of one (01) year. Extension/continuation of the appointment beyond the initial period will be considered on a yearly basis, subject to satisfactory performance of the candidate.

The minimum essential and desirable qualifications for the **JRF position** are as follows:

Name and no. of the Position	Junior Research Fellow (JRF), One (1)
Essential Qualifications	B.E. / B. Tech. or equivalent in (Mechanical Engineering, Aerospace Engineering, CAD/CAM, Production Engineering and Design Engineering) or related fields and ME/M.Tech. or equivalent degree in relevant stream.
Duration	One year (Extendable up to five years, subject to satisfactory performance each year)
Emoluments	• Rs. 37,000/- per month + HRA (First and Second Year) • Rs. 42,000/- per month + HRA (Third Year onwards, subject to satisfactory performance)
Desirable Qualifications	Candidates with strong background in numerical simulations, Finite Element Analysis (ANSYS/ABAQUS/LS-DYNA), Composite Materials, Impact Mechanics, Structural Integrity Assessment, Sensors, Data Acquisition Systems, Artificial Intelligence, Experimental Mechanics.

The minimum essential and desirable qualifications for the **RA-III position** are as follows:

Name and no. of the Position	Research Associate - III (RA-III), One (1)
Essential Qualifications	Ph.D. or equivalent degree in Mechanical Engineering, Materials Science and Engineering or related fields with expertise in Experimental and Computational techniques or having 3 years of research, teaching and design and development experience after ME/M.Tech with at least one research paper in Science

	Citation Indexed (SCI) journal.
Duration	One year (Extendable up to five years, subject to satisfactory performance each year)
Emoluments	Rs. 67,000/ + HRA
Desirable Qualifications	Composite Structures, Ballistic Impact Analysis, Finite Element Modelling (ANSYS/ABAQUS/LS-DYNA), Structural Integrity Assessment, Smart Sensors and Instrumentation, Structural Health Monitoring (SHM), Artificial Intelligence, Machine Learning, Experimental Testing, Sensor Data Analytics, SCI/SCIE Publications

HOW TO APPLY: The interested candidates may apply in the prescribed application form (format attached) with complete information and attachments (certificates/documents) along with latest CV. The completely filled applications should be sent to the undersigned (principal investigator) preferably by e-mail on apatnaik.mech@mnit.ac.in latest by **July 28, 2026**. The candidate may also send their application form along with CV and all photocopies of certificates/documents regarding educational qualifications, work experience etc. by post to **Prof. Amar Patnaik (Principal Investigator), Professor, Department of Mechanical Engineering, Malaviya National Institute of Technology Jaipur, Jawaharlal Nehru Marg, Jaipur-302017, Rajasthan.**

Candidates may also note the following points:

1. The selected candidate for the post of JRF shall be encouraged to register for PhD at MNIT Jaipur in the Mechanical Engineering Department as per the PG regulation of the Institute.
2. Selection committee of MNIT Jaipur reserves the right to fix suitable criteria for short-listing of eligible candidates.
3. Candidates will be short listed for the interview based on merit and experience of the candidates. Decision of selection committee will be final. The date and time of interview will be informed by email.
4. Incomplete applications or applications not accompanied by the required certificates/documents will be summarily rejected.
5. Please note that no TA/DA will be given to the candidates called for the interview.
6. Separate application form is required to be submitted for different position.
7. The Institute reserves the right to cancel the advertisement at any stage of the recruitment process.
8. Sending only resumes/CV by email will not be considered as a complete application.
9. The interview of the shortlisted candidates will be conducted in the hybrid mode.

For any further information /clarifications, the applicants may contact PI directly by email/phone.

Prof. Amar Patnaik (Principal Investigator)
Professor
Department of Mechanical Engineering
Malaviya National Institute of Technology Jaipur
JLN Marg, Jaipur 302017
Cell – 9549657318

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Application Form

FOR OFFICE USE ONLY: Serial Number: _____ Eligible for Interview: YES/NO Checked the certificates: _____	Paste here your latest Photo
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Application for the sponsored research project entitled “**Development of an Intelligent AI-Based Framework for Assessment of Structural Integrity of Combat Vehicles**” sponsored by Anusandhan National Research Foundation (ANRF) under Advanced Research Grant (ARG) Program

Post Applied for: **Junior Research Fellow (JRF)/ Research Associate - III (RA-III)**

1. Name:
2. Father's Name:
3. Date of Birth:
4. Contact information:
 - (i) Telephone with STD Code :.....(ii) Mobile No:.....
 - (iii) Address for Communication.....
 -
 - (iv) Email ID:

5. Educational Qualifications*

Class	Specialization	Board/ University	Name of Institution	Marks/ CGPA	Year of Passing
X					
XII					
Graduation					
Post- Graduation					
Ph.D					

GATE Certificate					
Any other certificate/achievement s/ awards etc.					

* Attach Self-attested Photocopies of all certificates/award from Class X onwards.

6. Experience (Detail): Attach Separate sheet if required.

Organization	Designation	Duration	Responsibilities

7. Total Experience (in years).....

8. Publications : (Attach separate sheet if required)

National (No's).....International (No's).....

9. Workshop/Training programs attended (number only).....

10. Other qualifications/Certified course/relevant information/achievements if any

S. No	

11. Declaration: All the above information provided by me is true to the best of my knowledge and I understand that, if found incorrect, I may be disallowed to appear in the interview/test.

Date:

Place:

Signature of Candidate