



# मौलाना आजाद राष्ट्रीय प्रौद्योगिकी संस्थान भोपाल – 462003

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL- 462003

(गणित जैव सूचना विज्ञान एवं संगणक अनुप्रयोग विभाग)

DEPARTMENT OF MATHEMATICS, BIOINFORMATICS & COMPUTER APPLICATION

Dated: 07 May 2025

## Advertisement for Junior Research Fellow (JRF) at Department of Mathematics, Bioinformatics and Computer Applications, MANIT, Bhopal

मध्य प्रदेश विज्ञान एवं प्रौद्योगिकी परिषद (एमपीसीएसटी) प्रायोजित परियोजना के लिए जूनियर रिसर्च फेलो (जेआरएफ) की नियुक्ति हेतु आमंत्रण

### CALL FOR JUNIOR RESEARCH FELLOW (JRF) FOR M.P. COUNCIL OF SCIENCE & TECHNOLOGY (MPCST) SPONSORED PROJECT

**MPCST** प्रायोजित परियोजना के तहत “**Design and Development of Energy Efficient Model for IoT in Agriculture Applications**” शीर्षक पर दो साल की अवधि के लिए जूनियर रिसर्च फेलो (जेआरएफ) के रूप में काम करने के लिए पात्र उम्मीदवारों से आवेदन आमंत्रित किए जाते हैं, स्वीकृत फाइल संख्या 3029/सीएसटी/आरएंडडी/फिज.एंडइंजीनियरिंग और फार्मसी/2024-25 दिनांक 31-03-2025 के अनुसार। इच्छुक अभ्यर्थी संस्थान की वेबसाइट ([www.manit.ac.in](http://www.manit.ac.in)) पर उपलब्ध विधिवत पूर्ण आवेदन पत्र को अपनी शैक्षणिक योग्यता, शोध अनुभव और प्रकाशन (यदि कोई हो) के बारे में विस्तृत जानकारी और सहायक दस्तावेजों की सत्यापित फोटोकॉपी के साथ अन्य प्रासंगिक दस्तावेजों को डॉ. जय कुमार जैन (प्रधान अन्वेषक) के ईमेल पते- [jaykumar@manit.ac.in](mailto:jaykumar@manit.ac.in) पर **28 मई 2025** तक या उससे पहले भेजना होगा।

सभी संलग्नकों के साथ निर्धारित प्रारूप में आवेदन की हार्ड कॉपी भी **28 मई 2025** तक प्रधान अन्वेषक के पते पर भेजें। लिफाफे पर स्पष्ट रूप से (**Application for JRF in MPCST-Government of Madhya Pradesh**) लिखा होना चाहिए। ईमेल से किए गए आवेदन भी स्वीकार किए जाएंगे ([jaykumar@manit.ac.in](mailto:jaykumar@manit.ac.in) या [jayjain.research@gmail.com](mailto:jayjain.research@gmail.com))। अधूरे आवेदन खारिज कर दिए जाएंगे।

आवेदन निम्नलिखित पते पर भेजें :

**डॉ. जय कुमार जैन (प्रधान अन्वेषक), गणित, जैव सूचना विज्ञान और कंप्यूटर अनुप्रयोग विभाग, मैनिट, भोपाल- 462 003, मध्य प्रदेश (भारत)।**

Applications are invited from eligible candidates to work as a Junior Research Fellow (JRF) for a period of two years under the MPCST sponsored project entitled “**Design and Development of Energy Efficient Model for IoT in Agriculture Applications**” vide sanctioned file no. 3029/CST/R&D/Phy.&Engg and Pharmacy/2024-25 dated 31-03-2025.

Interested candidates should send a duly completed application form available on the Institute website [www.manit.ac.in](http://www.manit.ac.in) along with detailed information about their educational qualifications, research experience, and publications (if any), and attested photocopies of supporting documents, along with the other relevant documents, should be sent to Dr. Jay Kumar Jain (Principal Investigator) email address- [jaykumar@manit.ac.in](mailto:jaykumar@manit.ac.in) on or before **28 May 2025**.

Hard copies of application in the prescribed format along with all enclosures also should reach at Principal Investigator by **28 May 2025**. Envelope should clearly mention (**Application for JRF in MPCST-Government of Madhya Pradesh**). Applications by email also will be entertained ([jaykumar@manit.ac.in](mailto:jaykumar@manit.ac.in) or [jayjain.research@gmail.com](mailto:jayjain.research@gmail.com)). Incomplete applications will be rejected.

Applications should be sent to the following address:

**Dr. Jay Kumar Jain (Principal Investigator), Department of Mathematics, Bioinformatics and Computer Applications, MANIT, Bhopal– 462 003, Madhya Pradesh (India).**

Name of Post	Junior Research Fellow (JRF)
Project Title	Design and Development of Energy Efficient Model for IoT in Agriculture Applications
Project Duration	2 years
No. of Position	1 (One)
Fellowship	Rs. 20,000/- per month as (As per applicable MPCST-Government of Madhya Pradesh norms). No HRA will be given.
Age	Maximum 35 years on last date of application.



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DEPARTMENT OF MATHEMATICS, BIOINFORMATICS & COMPUTER APPLICATION

Eligibility	M. Tech. in CSE/ECE/IT or MCA or M. Sc. (CSE/IT) or allied branch relevant to the project with 1st class at both UG and PG level.
Preference	Preference will be given to candidates having an M. Tech/MCA degree.
Desirables	Candidates having hands-on experience in modelling and simulation. knowledge of IoT, NVIDIA Developer Kit, Python, and MATLAB is desirable.
Application Procedure	E-mail the application form along with all documents to - <a href="mailto:jaykumar@manit.ac.in">jaykumar@manit.ac.in</a>

**Note- Only short-listed candidates will be intimated for interview.**

## Terms and Conditions:

- No TA/DA will be paid to attend the interview.
- The above position is initially for 1 year and purely temporary, co-terminus with project. It may be extended further based on performance maximum up to 2 years.
- Candidates are required to appear for the interview with filled-in application form, curriculum vitae, all relevant original certificates with a set of self-attested photocopies and two passport size photographs.
- Selected candidates will not be permitted to claim for any regular/part time appointments in the institute.
- Canvassing in any form will disqualify the candidature.

We are looking for fully devoted scientific manpower. This is a full-time assignment. Experimentation will involve NVIDIA Developer Kit, Python, and MATLAB programming, image processing, deep learning and machine learning. Preference will be given to the candidates having good journal/conference paper and working experience in the field of image processing, machine learning, deep learning and IoT.

Call letters will be e-mailed to the shortlisted email id after scrutiny of each application. No hard copy of the call letter will be sent. The appointment will be purely temporary on contract basis, the post has been created for the execution of the research project and selected candidates shall not be an employee and no claim of any benefit on that account. Appointment may be terminated at any time if performance is not satisfactory.

Last date for submission of the complete application form	<b>28/05/2025</b>
Interview Date	Will be notified through e-mail to eligible candidates
Declaration of result	Will be notified to selected candidate through e-mail

## Contact:

Dr. Jay Kumar Jain

## Principal Investigator

Department of Mathematics, Bioinformatics and Computer Applications, MANIT, Bhopal  
Maulana Azad National Institute of Technology Bhopal 462003

Email: [jain.jaykumar@gmail.com](mailto:jain.jaykumar@gmail.com), [jayjain.research@gmail.com](mailto:jayjain.research@gmail.com)

Phone: 9425377539



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**DEPARTMENT OF MATHEMATICS, BIOINFORMATICS & COMPUTER APPLICATION**

**Application for the post of Junior Research Fellow (JRF)**

1. Full Name (in Capital):
2. Gender:
3. Date of Birth: Age:\_\_\_\_years (on last date of application submission)
4. Nationality:
5. Father/Husband's Name:
6. Address for Correspondence:
7. Permanent Address:
8. Contact: Telephone (with STD code): Mobile:
- E-mail id:
9. Category (SC/ST/OBC/GEN):
10. Educational Qualification:

Attach Passport

Size Photo

S. No.	Examination Passed	School/Institute/University/ Board	Year of Passing	Division /Grade	% of marks/ CGPA	Subjects taken/ specialization
1	10 <sup>th</sup>					
2	12 <sup>th</sup>					
3	B.Tech./B. Sc./BCA					
4	M.Tech./MCA /M. Sc.					
5	Any other					

Percent conversion of grade should be specified and the proof of conversion factor should be shown at the time of interview.

**11. Details of Previous Experience:**

S. No.	Name of Employer with address	Salary drawn	Period of service	Nature of Duties

If selected, minimum time required to join the post in \_\_\_\_\_days.



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## 12. List of Top 5 Publications (attached separate sheet if required):

A: Journal Publication	B. Conference Publications

## 13. References (Minimum Two), Name, Designation, Institute address, Mobile/Tel No. and E-mail id.

- |          |          |
|----------|----------|
| 1. _____ | 2. _____ |
| _____    | _____    |
| _____    | _____    |
| _____    | _____    |

## 14. Suitability for the position applied (200 words)

## 15. Any other relevant information

### Declaration

I affirm that the information given in this application is true and correct. I also fully understand that if at any stage, it is discovered that an attempt has been made by me to willfully conceal or misrepresent the facts, my candidature may be summarily rejected or my employment terminated.

Date-

Place-

Candidate Signature Candidate Name