Maulana Azad National Institute of Technology Bhopal-462003

Department of Mathematics, Bioinformatics & Computer Applications

Date: 07-09-2022

Advertisement Notice

Applications for a post of Junior Research Fellow (JRF) are invited from candidates having M.Sc.(Mathematics)/M.Tech. or Equivalent degree in Computer Science & Engineering/ Electronics/ IT (with min. 60% marks or 6.5 CGPA at UG and PG level) and NET/GATE qualifications. Selected candidate will work in a research project entitled **"Prediction of Fire Signatures Using Smoke Features Based on Fractional Order Optical Flow in Videos**" funded by Science and Engineering Research Board (SERB-DST), Govt. of India, under the supervision of Dr. Pushpendra Kumar (Principal Investigator), Assistant Professor, Department of Mathematics, Bioinformatics & Computer Applications, MANIT-Bhopal-462003.

The JRF is purely temporary, initially for **one year** and extendable till the project duration on satisfactory performance (co-terminus with the project). The details can be seen on the Institute website (www.manit.ac.in). Applicants are required to send their application with full educational qualifications and experience certificates in the attached proforma. A **single PDF file** of the application proforma and transcripts/certificates should be sent to PI at **pkumarfma@manit.ac.in** by **19-09-2022**. Mention "Application for JRF in SERB-DST project" in the subject line of the email. Applications lacking mark-sheets/certificates in support of claims made by candidate will be rejected.

Dr. Pushpendra Kumar
(Principal Investigator)

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The details of the position are given below:

JRF: 01 (ONE)

Emoluments: Rs. 31,000/- per month + HRA as per Institute norms (for JRF) and Rs. 35,000/- per month + HRA as per Institute norms (for SRF)

Duration: The JRF is purely temporary, initially for **one year** and extendable till the project duration on satisfactory performance (co-terminus with the project, which is around for sixteen months**)**

Eligibility

Essential Qualification:

M.Sc.(Mathematics)/M.Tech. or Equivalent degree in Computer Science & Engineering/ Electronics/ /IT (with min. 60% marks or 6.5 CGPA at UG and PG level) with NET/GATE qualifications.

Desirable:

The applicants are desired to know the computer programming (preferably MATLAB/Python) and basic concepts of Mathematics, Image Processing and Machine learning. Preference will be given to the candidates who published papers in SCI/SCIE/SCOPUS indexed journals.

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We are looking for fully devoted scientific manpower. This is a full time assignment and JRF will involve in optical flow based fire-smoke characterization using machine learning techniques.

Selected candidate will be encouraged to make efforts to register for PhD programme in the Institute following institutional norms. The candidates should apply in the prescribed format available on the Institute website (www.manit.ac.in) on or before **19-09-2022**., along with self-attested soft copies of the relevant certificates. If any of the important information provided in the application form is not supported by certificates attached, application will be rejected. Applications should be emailed to the **pkumarfma@manit.ac.in** to Dr. Pushpendra Kumar (Principal Investigator), Assistant Professor, Department of Mathematics, Bioinformatics & Computer Applications, MANIT-Bhopal-462003. Call letters for personal interview will be e-mailed to the respective email id after scrutiny of each application. No hard copy of call letter will be sent. The appointment will be purely 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 complete application form	**19-09-2022**
Interview Date	Will be notified to shortlisted eligible candidates through e-mail.
Declaration of result	Will be notified to selected candidate through e-mail.

Dr. Pushpendra Kumar
(Principal Investigator)

Maulana Azad National Institute of Technology Bhopal-462003

Department of Mathematics, Bioinformatics & Computer Applications

Application for the post of Junior Research Fellow (JRF)

Attach Passport Size Photo

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:**

S. No.	Examination Passed	University/ Board	Year of Passing	Division/Grade	% of marks	Subjects taken/ specialization

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

11. **Details of qualifying :**

S. No.	NET/GATE/Other national level exam	Year	Qualifying Marks	Marks Obtained

12. 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.

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

1. _____
_____
_____
_____

2. _____
_____
_____
_____

14. Statement of purpose (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.

Candidate Name & Signature