



प्रयुक्त यांत्रिकी विभाग  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
प्रयागराज –211004 (उ०प्र०), भारत  
Department of Applied Mechanics  
Motilal Nehru National Institute of Technology Allahabad,  
Prayagraj-211004

Advertisement No. \_\_\_\_/AMD

Dated- **08/07/2024**

**Advertisement for the Post of Junior Research Fellow (JRF) On CONTRACT**

Applications are invited from Indian nationals for the post of one **Junior Research Fellow (JRF) (on contract)** in research project entitled “**Determination of poroelastic parameter (Biot's constant) of an ablative decomposing composites (anisotropic) materials under high temperature for aerospace launch vehicle application**” funded by ISRO, Department of Space, Government of India- under **ISRO RESPOND PROJECT (RES-VSSC-2022-014)** for 2 years. The duly completed application on the 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 **29/07/2024**. The envelope should be superscripted as “**Application for the post of Junior Research Fellow (JRF) (on contract)** in the Research Project “**Determination of poroelastic parameter (Biot's constant) of an ablative decomposing composites (anisotropic) materials under high temperature for aerospace launch vehicle application**”. A soft copy of the application should also be sent to **Dr. Ashutosh Mishra**, Assistant Professor, Department of Applied Mechanics & Principal Investigator through email at **amishra@mnnit.ac.in**. 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 Fellow (JRF)

**Number of Position** : 01 (one)

**Tenure of Appointment** : Appointment will be made on contract basis for a period of one year initially, which may be extended subjected to release of funding from the funding agency. Further, the contract may be extended depending on the performance evaluation on a yearly basis till the end of the project.

**Essential Qualifications** : Graduate/Post Graduate Degree in Professional Course (Mechanical Engineering/ Production Engineering/Manufacturing Technology and equivalent aligning with the nature of the project) selected through a process described through any one of the following:

- Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant professorship) or GATE.
- The selection process through National level examinations conducted by Central Government Departments and their Agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.

**Desirable Qualifications** : M. Tech with GATE qualified.

**Fellowship** : ₹ 37,000/- per month (Consolidated and Funding Agency Norms) + HRA (As per Funding Agency Norms).

**Other Benefits** : Candidate selected for the JRF may register for Ph.D. program of the Institute if he/she meets the eligibility conditions. Facility of yearly leave, carryover leave, medical benefits etc. may be available as per applicable rules of the project staff.

**Note:**

- The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
- 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 exceptional candidates.
- 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 and need of the project.
- Shortlisted Candidates will be informed by e-mail about the interview dates. So, they must provide their valid Email IDs in their applications.
- 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.
- 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.
- No TA/DA will be paid for appearing in the interview.

Name of Principal Investigator: **Dr. Ashutosh Mishra**, Applied Mechanics Department, MNNIT Allahabad

Name of Co- Principal Investigator (s): (a) Prof. Mukul Shukla, (b) Dr. Abhishek Tiwari, from MNNIT Allahabad and (c) Dr. Chitranjan Pany, from VSSC, ISRO, Government of India.



अधिष्ठाता (शोध एवं परामर्श) कार्यालय  
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान  
इलाहाबाद – 211004 (भारत)

OFFICE OF THE DEAN (RESEARCH AND CONSULTANCY)  
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY

Allahabad – 211 004 (India)

Website: <http://www.mnnit.ac.in>

**For office use only**

Application No.....

**APPLICATION FORM**

Advt.No.....

Dated.....

|  |   |  |  |             |                   |             |
|--|---|--|--|-------------|-------------------|-------------|
| <b>Research Project Entitled</b>                   | <i>Determination of poroelastic parameter (Biot's constant) of an ablative decomposing composites (anisotropic) materials under high temperature for aerospace launch vehicle application</i> |  | <b>Affix Passport Size Photograph here</b> |             |                   |             |
| <b>Approval Letter/Sanction letter &amp; Date:</b> | ISRO/RES/3/918/23-24 (November 14, 2023)  |  |  |             |                   |             |
| <b>Funding Agency:</b>                             | ISRO, Department of Space, Government of India  |  |  |             |                   |             |
| <b>Name of P.I.:</b>                               | Dr. Ashutosh Mishra   |  |  |             |                   |             |
| <b>Name of Co-PI (At MNNIT Allahabad)</b>          | Prof. Mukul Shukla, Dr. Abhishek Kumar Tiwari   |  |  |             |                   |             |
| <b>Name of Co-PI (At VSSC-ISRO)</b>                | Dr. Chitranjan Pany   |  |  |             |                   |             |
| <b>Name of position:</b>                           | Junior Research Fellow (on contract)  |  |  |             |                   |             |
| <b>Department/Section:</b>                         | Applied Mechanics Department  |  |  |             |                   |             |
| 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   |  |  |             |                   |             |
|  | <b>Qualification</b>  | <b>Subject/Discipline</b>  | <b>Board/Institute/Univ.</b>               | <b>Year</b> | <b>% of marks</b> | <b>Div.</b> |
|  | 10th or equivalent  |  |  |             |                   |             |
|  | 12th or equivalent  |  |  |             |                   |             |
|  | Diploma, if any   |  |  |             |                   |             |
|  | BA/B.Sc./B.E./B.Tech  |  |  |             |                   |             |
|  | M.A./M.Sc.  |  |  |             |                   |             |

|                      |  |  |  |  |  |
|----------------------|--|--|--|--|--|
| M.Phil./M.E./M.Tech* |  |  |  |  |  |
| Ph.D*                |  |  |  |  |  |

\*Title of M.Tech. Thesis: .....

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|    |   |                 |                          |                         |                              |                             |              |
|----|---|-----------------|--------------------------|-------------------------|------------------------------|-----------------------------|--------------|
| 15 | Details of Experience in chronological order. Enclose a separate sheet duly authenticated under your signature if necessary |                 |                          |                         |                              |                             |              |
|    | <b>Organization</b>   | <b>Position</b> | <b>Salary/Emoluments</b> | <b>Nature of Duties</b> | <b>Nature of appointment</b> | <b>Period of Experience</b> |              |
|    |   |                 |                          |                         |                              | <b>Year</b>                 | <b>Month</b> |
|    |   |                 |                          |                         |                              |                             | <b>Days</b>  |
|    |   |                 |                          |                         |                              |                             |              |
|    |   |                 |                          |                         |                              |                             |              |
|    |   |                 |                          |                         |                              |                             |              |
|    |   |                 |                          |                         |                              |                             |              |
| 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   |                 |                          |                         |                              |                             |              |
| 18 | Indicated whether you propose to register for higher degree* at MNNIT, Allahabad. Yes/No (Name of degree)                   |                 |                          |                         |                              |                             |              |

**Note:-** \*Those candidates who wish to be admitted as student for higher degree must fulfill at least the minimum eligibility for the respective admission as available on the Institute website.

### 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:  
Date:

Signature of the Applicant

**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. Experience certificate, if any

