



# Department of Mechanical Engineering

राष्ट्रीय प्रौद्योगिकी संस्थान, मणिपुर

**NATIONAL INSTITUTE OF TECHNOLOGY, MANIPUR**

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An Autonomous Institute under MHRD, Govt. of India

No. NITM.1/(226-Estt)/SERB/Dushyant/2017/

Date: 13/04/2017

## Advertisement for the post of Junior Research Fellow (JRF)

Applications are invited from the Indian citizens for filling up the post of JRF under the Science and Engineering Research Board (SERB)-DST, New Delhi- Govt. of India, sponsored purely time bound project undertaken in the Department of Mechanical Engineering, NIT Manipur under the principal investigator (PI) of Dr. Dushyant Singh, Assistant Professor in Department of Mechanical Engineering, NIT Manipur. The details of the project are mentioned below:

<b>Title of the project</b>	Air mist jet impingement heat transfer mechanisms on cylinder
<b>Principal Investigator</b>	Dr. Dushyant Singh
<b>Number of JRF position</b>	01
<b>Project Duration</b>	03 years
<b>Essential qualifications</b>	Post-Graduate (M.Tech/ME) in Mechanical Engineering with specialization in Thermal & Fluids Engineering or equivalent in an related filed <b>OR</b> B.Tech/B.E in Mechanical Engineering or related field.
<b>Desirable qualifications/experience</b>	<ul style="list-style-type: none"><li>• Good research potential in the fluid and heat transfer area (in the form of the enthusiastic and determined individual who can work both independently as well as in the context of a team)</li><li>• Good skill in designing, building and conducting the experimental work.</li><li>• Workable experience in ICEM CFD, FLUENT, OpenFOAM, programming languages (C or FORTRAN) and various CAD software may be beneficial.</li><li>• Core Background in the following subject knowledge: Fluid Mechanics, Heat Transfer and CFD.</li><li>• Candidates with proven technical writing skill with publications record in reputed SCI journal may be preferred</li><li>• High level of English language proficiency is a key factor</li></ul>
<b>Fellowship:</b>	The fellowship amount shall be as per DST-SERB norms.
<b>Age limit</b>	Not more than 30 years as on the last date of application (SC/ST/OBC/PWD/WOMEN candidates will get relaxation as per Govt. Of India Rules)
<b>Other Benefits:</b>	The selected (PG) candidate has the provision to register for Ph.D program of the university, as per the prevailing university guidelines.

<b>Tenure of the appointment:</b>	Appointment shall be made on contract basis of a period of six months initially, which may be extended further depending on the performance evaluation on six months basis and on the approval of the sanctioning agency DST-SERB till the end of the project. The appointment is for a time bound project and the candidate is essentially required to work for successful execution of the project objectives and completion of the project. If the monthly performance of the candidate is not satisfactory then the PI has the right to terminate the contract.
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**General Term and Condition:**

- 1) Duly filled in application forms along with the recent passport size photograph, self attested photo copies of the degree certificate and mark sheets with complete bio-data must be sent to Principal Investigator, “**Dr. Dushyant Singh (PI), Assistant Professor, Department of Mechanical Engineering, National Institute of Technology Manipur, Langol, Imphal- Manipur 795004**” in the prescribed format by hand or speed/registered post. On the envelope please inscribe “**Application for the post of JRF in Mechanical- File No. ECR/2016/001364**”.
- 2) **Filled application form must reach on or before 15<sup>th</sup> May, 2017 upto 05:00 P.M.** Candidates may send a scanned copy of the same in advance to [dushyant@nitmanipur.ac.in](mailto:dushyant@nitmanipur.ac.in) or [dushyant7raghu@gmail.com](mailto:dushyant7raghu@gmail.com) for review purpose.
- 3) A screening committee shall shortlist the candidates to be called for interview, based on the specialization and availability of candidates and requirements as per the project.
- 4) List of the shortlisted candidates will be uploaded in the institute website ([www.nitmanipur.ac.in](http://www.nitmanipur.ac.in)) and shortlisted candidates will be informed by e-mail or may be communicated over telephone/mobile about the interview date. So, the candidate must provide valid e-mail IDs and contact number in their applications **and no separate call letter will be issued.**
- 5) Only the shortlisted candidate will be informed. No communication from other candidates will be entertained.
- 6) **Tentative date of interview of the shortlisted candidates will be between 22<sup>nd</sup> - 26<sup>nd</sup> May, 2017** in the Department of Mechanical engineering, NIT Manipur, Langol campus, West Imphal-Manipur- 795004.
- 7) Written/interview procedures will be decided by the selection committee.
- 8) Original documents of age proof/certificates/degrees/mark sheets and other testimonials must be presented at the time of interview.
- 9) Complete information with regard to GATE score such as: year of passing, discipline, score, marks, All India Rank and the number of candidates appeared should be mentioned in the application form.
- 10) Mere fulfilment of the required qualifications and experience does not entitle a candidate to be shortlisted or called for interview. The Principal Investigator of the project reserves the right to fill or not fill the position.
- 11) The applicant will be responsible for the authentic of information, other documents and photograph submitted.
- 12) No TA/DA will be paid for attending the interview.

Sd/-

Dr. Dushyant Singh  
(Principal Investigator)  
Assistant Professor

Department of Mechanical Engineering  
National Institute of Technology Manipur