



Advertisement for Junior Research Fellow

Applications are invited from highly motivated and dynamic Indian nationals for 'Junior Research Fellow' (JRF) position for the project titled "Study of Two Phase Bubble Condensation in Parallel and Cross Flow Orientation" under SERB, Department of Science and Technology (DST), Government of India (File No. CRG/2021/005605) in the Department of Mechanical Engineering, NIT Agartala.

Principal investigator (PI): Dr. Abhik Majumder, Assistant Professor; **Co-Principal Investigator (Co-PI):** Dr. Swapan Bhaumik, Professor, Department of Mechanical Engineering, NIT Agartala.

1	(a). Name of the temporary assignment:	Junior Research Fellowship (JRF)
	(b). Number of Post	01 (One)
2	Name of the Research Project	"Study of Two Phase Bubble Condensation In Parallel And Cross Flow Orientation"
3	Name of the Sponsoring Agency	SERB-DST
4	Department	Mechanical Engineering , NIT Agartala
4	Tenure of the Project	03 Years (2022-2024)
5	Tenure of the Assignment	01 year (extendable by one year each)
6	Job Description	To perform assigned work, experimentation, fabrication, analysis, documentation and assist the investigators in various phases of the research project.
7	Consolidated monthly Fellowship/Salary	Rs. 31,000/- month for first 02 years and Rs. 35,000/- month for the third year.
8	Essential Qualifications and experience	Eligibility: MTech/ME in Mechanical Engineering with specialization in Fluid/ Thermal Engineering with a minimum of 60% marks or CGPA 6.5 and above. Relaxation for SC/ST & PH as per Government of India norms. The candidate should be GATE qualified. Desirable Qualification & Experience: Preference will be given to candidates with working experience relevant to the project. Candidate should have in-depth knowledge of heat/mass transfer, fluid mechanics. Experience in numerical modelling and experimental study in thermal science is desirable. Age limit: Must not be over 28 years as on May 25th, 2022 (relaxation as per the norms/orders of Government of India).
Other Benefits		The selected candidate may be registered for Ph.D. at NIT Agartala as per the institute norms.

Important Instructions: 1. Candidate possessing the requisite qualification and experience should apply in the prescribed application form (Given in the Institute website www.nita.ac.in), appending the self-attested scanned copies of the certificates. All the documents should be merged in a single PDF file and send to dstmechnita1@gmail.com on or before **25th May, 2022**. The applications received after the mentioned date will not be considered further. 2. The subject of the email should contain "Application for the post of JRF in project (CRG/2021/005605)". 3. The body of the email should highlight the eligibility of the candidate for the JRF position with a 'Statement of Purpose'. 4. The short-listed candidates for interview will be intimated only through emails. No TA/DA will be provided for attending the interview. Considering the situation, there is possibility that the interview may be conducted in online mode also. 5. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be shortlisted based on merit and need of the project. Only shortlisted candidates will be Communicated to appear in the interview and no other communication in this regard will be entertained. The authority reserves the right of accepting/rejecting any or all applications without assigning any reason thereof. 6. The position is purely temporary and renewable each year subject to satisfactory performance for a maximum of three (03) years. Candidate selected for this position may be registered in Ph.D. degree in NIT Agartala. 7. Original documents of age proof/certificates/degrees/mark-sheets and other testimonials must be presented at the time of interview (may not be applicable for virtual mode based interview). 8. For any types of query the candidates may communicate directly to the PI via email dstmechnita1@gmail.com.

Abhik Majumder
2022



Application Format for Junior Research Fellow (JRF) to work in the DST-SERB sponsored project (CRG/2021/005605):

1. Personal Details

Full Name (In capital).....

Date of Birth* (DD/MM/YY).....

Category(General/SC/ST/OBC)

Age(in years)..... Gender(Male/Female).....

Marital Status(Single/Married)..... Nationality.....

Address for Communication

.....
.....
.....

..... Mobile No.

Email:.....

Duration you are available for the position:.....

Are you interested to register for Ph.D. at NIT Agartala, if selected: Yes/No.?

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2. Details of School/University/Institute Studied (From 10th/Matriculation Onward)

S. No.	Degree	Discipline	University /Institute	Regular/ Part-time	Year	%Marks /CGPA*	Division

3. GATE/CSIR/UGC/LS-NET/Others National Exam Details

Examination Details	Branch	Year	Valid Up to	Percentile (&Score)	All India Rank

4. Professional Experiences (Teaching/Research/Industrial) if any

Name of Organization	Designation	Nature of Work	From	To

Signature
20/12/21



राष्ट्रीय प्रौद्योगिकी संस्थान अगरतला

रॉसवेबसाईट

(3)

National Institute of Technology Agartala

Mechanical Engineering Department, Agartala-799046, (Tripura), Website: www.nita.ac.in

5. List of Research Publication (if any):

6. Expertise (How to fit to implement the project):

7. Any other Relevant Information:

DECLARATION

I am willing to work as a Junior Research Fellow in the research project entitled “**Study of Two Phase Bubble Condensation in Parallel and Cross Flow Orientation**”. I undertake to engage myself whole time for research under the guidance of the Principal Investigator of the scheme. I hereby declare that particulars supplied by me and the entries made in this application form are correct to the best of my knowledge and belief. If selected for the position, I promise to abide by the rules and regulations of the Institute and instructions issued by SERB-DST from time to time.

Place

Date:

Signature of the Applicant

List of enclosures

Signature
27/04/22