



**INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT UNIT**

ADVERTISEMENT NO: R&D/515/SERB/184

DATED: 01.02.2021

Project No: **R&D/SP/ME/SERB/2020-21/515**

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

- 1. (a) Name of the temporary assignment** : Junior Research Fellow
- (b) Number of Post** : One (01)
- (c) Duration of the Post** : Two (02) years
- 2. Name of the temporary research project** : Interaction of Vesicles with deformable boundary: mimicking cell-wall interaction in cardiovascular diseases
- 3. Name of the sponsoring Agency** : Science and Engineering Research Board (SERB)
- 4. Fellowship** : Rs. 31,000/- per month plus HRA as per GoI rule

5. Qualifications & Experience

- a) For candidates with M.tech/ME/MS as qualifying degree in Mechanical\Chemical and Biochemical Engineering: first class (Minimum 65 % marks or 7.0 CPI) in M.Tech/ME/MS with GATE/NET qualifications and first class (minimum 60% marks or 6.5 CPI) in B.tech/BE, 12th and 10th class.
- b) For candidates with B.Tech/BE as qualifying degree in Mechanical\Chemical and Biochemical Engineering: 75% marks or, 8.0 CPI in B.Tech/BE from institutes other than IITs/IISc and 7.0 CPI in B.Tech from IITs and IISc with valid GATE score and first class (minimum 60% marks or 6.5 CPI) in 12th and 10th class.
- c) The age should not exceed 28 years for a candidate with BE/B.tech/M.Sc. degree as the highest qualification and 32 years for a candidate with ME/M.Tech/MS degree as the highest qualification.
- d) Relaxation for SC/ST/OBC/women/PD will be given as per the GOI rules.

Working/research experience in the field of **Microfluidics, Fluid Mechanics, Micro electro-mechanical Systems (MEMS), BioMEMS, Photolithography** will be given preference.

6. Description of the ONLINE MODE of the selection process:

Application Procedure:

1. Candidates interested in this position and satisfying the qualification criteria should write an email to the project investigator Dr. Abhishek Raj, Department of Mechanical Engineering, IIT Patna (Email: araj@iitp.ac.in).



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2. The **subject of the email** should read as “JRF position *IOV-515*”. The last date for receiving email is **16th February 2021**.
3. The email **MUST** include the **scanned/pdf copy of duly filled application form** (see attached word document) with applicant’s signature.
4. The email **MUST** include self-attested scanned **pdf copy of all supporting documents** (degree certificates, mark-sheets, GATE scorecard, and category certificate, if applicable.)
5. The application should also include a brief **Academic CV** not exceeding two pages.

IIT Patna reserves the right to not shortlist any candidate in case the application email does not contain complete information backed up by supporting documents as listed above.

All candidates who apply via email by **16th February 2021** (deadline) and the shortlisted will be informed regarding the further details by **20th February 2021**.

Date of ONLINE Interview: 23rd February 2021 (*24th February has been kept as the reserve day in case of large number of applications*). It is the responsibility of the applicant to ensure that they have reliable internet connectivity on the date of online interview.

For any query contact Investigator(s) : **Dr. Abhishek Raj**, Dept. of Mechanical Engineering, IIT Patna, Emails: **araj@iitp.ac.in**, Tel.: 0612-302-8823.

Deputy Registrar

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



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FORMAT OF APPLICATION FOR “JUNIOR RESEARCH FELLOW”

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:			
Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 th Class		
	12 th Class		
	Bachelors (B.Sc/B.Tech/B.E./BCA) or equivalent		
	Masters (M.Sc/M.Tech/M.E/MCA/ MA) or equivalent		

Qualifying degree	Degree/ major/Specialization
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Others	

Signature of applicant

Date:
Place: