



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

ADVERTISEMENT NO: R&D/516/SERB/185

DATED: 02/02/2021

Project No. : R&D/SP/CEE/SERB/2020-21/516

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 : 01 (ONE)
(c) Duration of the Post : Initially for 6 months, extendable up to 2 years based on the satisfactory performance
2. Name of the temporary research project : “Robust and Reliability Based Design Optimization and Performance Assessment of Superelastic Shape Memory Alloy (SMA) Damper for Seismic Vibration Control of Structures”.
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 : GATE qualified, M.Tech. in Structural Engineering or Applied Mechanics or in similar specializations (such as M.Tech. in earthquake engineering, structural dynamics).

Desirable Experience:

Strong background in programming language such as Matlab, Mathematica, C/C++, Python etc.

Expert in software such as ABAQUS or ANSYS, ETABS or SAP2000, OpenSees, Design Expert.

Strong hold in subject area such as Structural Dynamics, Earthquake Engineering, Vibration Control Theory, Random Vibration, Reliability Analysis, FEM, Structural Mechanics, Material Modeling, Numerical Methods, Probability Theory, Machine Learning etc.

Previous experience of doing research work, preferably have publication record in Peer-reviewed journals and conference.

Very good proficiency in English reading, writing, and speaking.

The candidate desirably should have MTech degree in Civil Engineering (or in relevant area) degree with a minimum CPI of 7.5 or 70 % of marks. The upper age limit for applying for the JRF position shall be 28 years. Relaxations for SC/ST/OBC/women/PD will be given as per the GOI rules. Preference shall be given to GATE (in CE) qualified candidates interested to pursue PhD and having previous research and/ or work experience in the field of Structural Engineering or Earthquake Engineering (or in relevant areas of study).



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Interested and eligible candidates may appear for the **ONLINE INTERVIEW** on **10/03/2021** at the Dept. of Civil and Environmental Engineering, IIT Patna, Bihta, Patna – 801106. The updated resume along with the original copies of all supporting documents (certificates, mark-sheets, and degrees) should be submitted to the undersigned on or before 05/03/2021. No TA/DA is admissible for appearing in the interview.

For any query contact Investigator: **Dr. Sourav Gur, Dept. of Civil and Environmental Engineering, IIT Patna, Emails: sgur@iitp.ac.in** Tel.: 06115-233819.

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: