

## Advertisement for Junior Research Fellow (JRF) in the Department of Civil Engineering, IIT Indore

Last date for application: **12.01.2024**

Applications are invited from eligible candidates with excellent academic background and proficiency in finite element modelling and analysis for the position of JRF in the following research project in the Department of Civil Engineering, IIT Indore.

<b>Name of the post</b>	Junior Research Fellow
<b>Number of vacancies</b>	01
<b>Monthly salary</b>	₹ 31,000/- + HRA @ 18%
<b>Appointment period</b>	Till 31 <sup>st</sup> March 2024 (may be extended depending on the availability of funding)
<b>Title of the research project</b>	Impact Induces Failure of Stiffened Curved FRP Ship Panels Under Hygrothermal Environments at IITI
<b>Principal Investigator</b>	Dr. Kaustav Bakshi, Dept. of Civil Engineering, IIT Indore
<b>Funding agency</b>	CSR funding from Mazagon Dock Shipbuilders Ltd.
<b>Key responsibilities</b>	<ul style="list-style-type: none"><li>• Finite element modelling and analysis.</li><li>• Constitutive modelling of FRP.</li><li>• User subroutines for impact load simulations.</li><li>• Failure analysis of FRP panels under Hygrothermal Environments.</li><li>• Documentation of results and research publications.</li></ul>
<b>Essential qualifications</b>	Masters' degree in the Civil Engineering (with first division as defined by the awarding Institute/ University) and GATE qualification,  OR  Four-year Bachelors' degree in Civil Engineering (with first division as defined by the awarding Institute/ University) and valid GATE qualification.
<b>Desirable qualifications</b>	<ul style="list-style-type: none"><li>• Expertise in Fortran coding.</li><li>• Hands-on experience using Microsoft office (word and excel).</li><li>• Strong mathematical and analytical skills.</li><li>• Track record of authoring research publications.</li></ul>

Interested candidates are requested to send the following documents via email to [Kaustav.bakshi@iiti.ac.in](mailto:Kaustav.bakshi@iiti.ac.in) with the subject of the email as "Application for JRF position":

1. Latest CV
2. Scanned copies of degree certificates and grade sheets (M.Tech., GATE scorecard and B.Tech.)
3. Statement of purpose
4. PDF copies of research publications

Shortlisted candidates will be contacted via. email and invited for interview. The selected candidate is expected to join immediately.