



Birla Institute of Technology & Science, Pilani

Pilani Campus

Grants Consultancy and Industrial Research (GCIR)

CALL FOR RESEARCH STAFF (SRF) POSITION

Date: 09 May 2024

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| About: Applications are invited from interested and motivated candidates for the post of Senior Research Fellow (SRF) in a time bound research project sponsored by the SERB (No. CRG/2022/000731) for a temporary period purely on contractual basis as per the following details: | |
| Position: | Senior Research Fellow |
| Number of Vacancy: | 01 |
| Project Title: | Study of Structural Behavior and Failure Characteristics of FRP-Concrete Composite Beams |
| Funding Agency: | Science and Engineering Research Board (SERB) |
| Principal Investigator (PI): | Prof. Shamsher Bahadur Singh, Civil Engineering Department |
| Project Tenure: | 2 Years |
| Job Description: | The SRF will manufacture the fiber reinforced polymer (FRP) composite panels, FRP beams, and FRP-Concrete composite beams with different material characteristics of FRP and concrete for example the use of carbon fiber, glass fibers, basalt fibers, and natural fibers along with functionally graded concrete and engineered cementitious composites will be made. He will also be conducting the detailed material characterization on FRP and concrete and testing the FRP-Concrete composite beams for their structural response and failure characteristics. The SRF will have to analyze the experimental results at material and structural level and will have to do the detailed numerical analysis using commercial software packages such as ABAQUS. Furthermore, he may write special purpose code for analysis and design of FRP-concrete composite beams. Most importantly, the candidate will have to publish the technical papers for publications in refereed journals and conference proceedings and for patent filing. |
| Qualification: | First class Master's Degree in structural engineering or equivalent discipline having very good background in composite materials and/ or composite structures from a recognized University or equivalent. GATE qualified candidates will be given preference. Desirable: GATE/NET qualified |
| Upper Age Limit: | Age not exceeding 33 years as of the date of the interview. |
| Fellowship: | 42,000 Per month for Third year as SRF (if found eligible) |
| Registration for PhD.: | Selected candidates may be permitted to register for the PhD program of BITS Pilani subject to fulfilling the requirements of the PhD qualification process as per the institute norms. |

How to Apply:

Applications along with updated CV should be sent through mail to (sbsingh@pilani.bits-pilani.ac.in) with the subject line '**Application for SERB-SRF**'.

Candidates will be shortlisted based on their merit and as per the requirements of the project. Shortlisted candidates will be informed of the interview which will be conducted **through online mode**. Mere possession of minimum qualification does not guarantee an invitation to the interview.

Only qualified and suitable candidates will be called for an interview.

Application Deadline: 16 May 2024

Contact Email: sbsingh@pilani.bits-pilani.ac.in

