



Call for JRF/ Project Associate-1 Position

Date: 15 June 2026

About: Applications are invited from interested and motivated candidates for the post of **Junior Research Fellow (JRF)/ Project Associate-1** on the research project sponsored by the **Anusandhan National Research Foundation**. The position will be purely on contractual basis as per the following details:

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| Position | Junior Research Fellow/Project Associate-1 | Number of Vacancy: 01 |
| Funding Agency | Anusandhan National Research Foundation (ANRF) | |
| Project Title | Numerical Approximations of Fluid Flow Problems by Hybrid Higher Order Methods | |
| Principal Investigator/ Co-Principal Investigator | Prof. Sangita Yadav, Department of Mathematics, BITS Pilani Pilani Campus Prof. Sarvesh Kumar, Department of Mathematics, IIST Thiruvananthapuram | |
| Project Tenure | 2 Years + Third year onwards as SRF after evaluation (Total 3 Years) | |
| Project/Job Description | The JRF will carry out research on the development, implementation, and analysis of numerical approximation techniques for fluid flow problems using the Hybrid High-Order (HHO) methods. He/She will formulate mathematical models governing fluid flow phenomena and develop efficient HHO-based numerical schemes for their approximation. He/She will also implement the developed algorithms using appropriate computational tools and perform extensive numerical simulations. He/She will also compare the obtained numerical results with existing finite element, finite volume, and other state-of-the-art numerical methods, and will propose improvements or new computational models based on the findings. | |
| Qualification | First class Master's Degree in Mathematics from a recognized University or equivalent +GATE/NET qualified.(Those who are not GATE/NET qualified shall be considered for the post lower than JRF as per Government of India norms). The candidate is expected to have a good understanding of Analysis, Differential Equations (ODEs &PDEs) and Numerical Methods. A good knowledge of any programming language will be preferred. The nature of the work will be theoretical and computational in nature. | |
| Upper Age Limit | 30 years as of the date of the interview. Age relaxation is allowed as per government rule | |
| Fellowship/Stipend | Rs. 37,000/- per month as JRF for NET/GATE Candidates Rs. 30,000/- per month as Project Associate-I for Non Net/GATE Candidates | |
| 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 | Fill the google form through the link https://forms.gle/2SfGXc6GR89NBUnj6 Please keep ready the followings before filling the form. a. CV (Mention past education, technical skills, research experience, publications, etc.) b. Cover letter and contact details of at least two academic referees. c. Copy of the NET/GATE/National-level exam score card (if applicable). | |
| Selection Process | Candidates will be shortlisted based on their merit, experience, and as per the requirements of the project. Shortlisted candidates will be informed of the interview, which will be conducted through online mode. Only qualified and suitable candidates will be called for an interview. | |

