Date:29/05/2025

Recruitment of Junior Research Fellow (JRF)

School of Biomedical Engineering, Indian Institute of Technology (BHU), Varanasi

Applications are invited from Indian Nationals for the following positions for the research project funded by the Department of Science and Technology (DST), titled "NSF-DST CPS TTP RE-GAIN: An Adaptive, Medical CPS Platform Integrating E-Textile Wearables, Virtual/Augmented Reality, and AI for Stroke Rehabilitation" IIT (BHU) (Ref No. R&D/4305/DST/BME/25-26/675), for three years. The details are as follows:

Name of the position	Junior Research Fellow
Number of positions	02
Last date of application	**25/06/2025**
Duration of position	03 Years
Emoluments	Rs. 37,000/-+20% HRA per month in first two years and Rs. 42,000/-+20% HRA per month in the third year. Candidates will be encouraged to register Ph.D. during the tenure and IIT (BHU) will provide financial support for an additional 2 years to continue their Ph.D. studies.
Essential Qualification	1) B.E./B.Tech., with minimum of 75% marks in Electronics/Bio-medical/Electrical/Instrumentation/Computer Science/ Information Technology/ Mechanical Engineering/Bio-technology or allied branches of these disciplines with a qualified GATE/NET exam (qualified in any year). **(or)** 2) M.E./M.Tech. with minimum of 60% marks in Electronics/Bio-medical/Electrical/Instrumentation/Computer Science/ Information Technology/ Mechanical Engineering/Bio-technology or allied branches of these disciplines.
Desirable Qualification	Proficiency in any coding platforms like Python/Matlab/C/C++ is an additional advantage but not mandatory. Knowledge in electronic circuits, signal processing and machine learning/deep learning algorithms is an additional benefit but not mandatory.
Age	The upper age limit is 28 years (5 years relaxation for Female/SC/ST/Handicap candidates), whereas 3 years is the case for OBC (Non-Creamy Layer candidates). All other factors being equal, SC/ST candidates will be preferred as per GOI rules.
Key responsibilities	The candidate will work on "human-machine interfaces using virtual reality, electronic and physiological sensors, signal processing, and AI" under the supervision of Dr. Deepesh Kumar and Dr. Jac Fredo AR. The role involves managing project activities within existing constraints, with opportunities to visit and collaborate with national partners at IIT Gandhinagar and the Institute of Medical Sciences, BHU, as well as international partners at the University of Rhode Island, USA. The candidate will also engage with scientists and clinical collaborators to support the project.

Application Procedure

Interested candidates can apply for the position by filling their details and uploading required documents through google form available at following application link:Link for application: **https://forms.gle/CY8rpBxLkfqiR8rEA**

Last Date of Application: **25/06/2025 (25th June 2025)**

Candidates must upload their Curriculum Viète (CV) and scanned copy of the following documents in a single pdf:

1. Degree certificates with final mark sheets
2. Proof of date of birth of the candidate
3. Caste certificate if applicable
4. GATE/NET scorecard if applicable
5. Additional proficiency certificates if applicable

General terms and conditions:

1. Candidates selected are expected to join immediately.
2. The candidate may have the chance to pursue Ph.D. in Biomedical Engineering while serving as a Junior Research Fellow (JRF) in the School of Biomedical Engineering at IIT (BHU), Varanasi.
3. The principal investigator has the discretion to restrict the number of candidates to be called for interview to a reasonable limit based on qualifications and experience higher than the minimum prescribed in the advertisement.
4. Only short-listed candidates will be communicated to appear in the interview, and no other communications in this regard will be entertained.
5. Original certificates and self-attested copies of all certificates need to be presented before the interview for verification.
6. No TA/DA will be paid if called for interview.
7. Selected candidates will have the opportunity for short-term visits to project collaborators' labs at the University of Rhode Island, USA, and IIT Gandhinagar, India.

PI	**Co-PI**
Dr. Deepesh Kumar	Dr. Jac Fredo AR
Assistant Professor	Associate Professor
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