



भारतीय  
प्रौद्योगिकी  
संस्थान  
काशी हिन्दू विश्वविद्यालय



INDIAN  
INSTITUTE OF  
TECHNOLOGY  
BANARAS HINDU UNIVERSITY

Date: 18/06/2026

## Recruitment of Junior Research Fellows (JRFs)

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

Applications are invited from Indian Nationals for the following positions for the research project funded by the Department of Biotechnology (DBT), titled “Artificial-Intelligence Powered Virtual Reality-based Language-Speech Training System for Patients with Post-stroke Aphasia with and without Dysarthria” at IIT (BHU) (Ref No. R&D/DBT/4306/BME/26-27/894), for three years. The details are as follows:

<b>Name of the position</b>	Junior Research Fellow
<b>Number of positions</b>	02
<b>Last date of application</b>	10 <sup>th</sup> July 2026,
<b>Duration of position</b>	Up to 3 years; appointment will be made on an annual basis and renewed based on performance.
<b>Emoluments</b>	Rs. 37,000/-+18% HRA per month in the first two years and Rs. 42,000/-+18% HRA per month in the third year. Candidates will be encouraged to register for a Ph.D. during their tenure, and IIT (BHU) will provide financial support for up to an additional 2 years to continue their Ph.D. studies, provided the admission criteria are met.
<b>Essential Qualification</b>	1) B.E./B.Tech., with a minimum of 75% marks in Computer Science/Information Technology/Artificial Intelligence/Electronics/Bio-medical/Electrical/Instrumentation/Mechanical Engineering/Biotechnology or allied branches of these disciplines, with a qualified GATE/NET exam (qualified in any year). <p style="text-align: center;">(or)</p> 2) M.E./M.Tech with a minimum of 60% marks in Computer Science/Information Technology/Artificial Intelligence/Electronics/Bio-medical/Electrical/Instrumentation/Mechanical Engineering/Biotechnology or allied branches of these disciplines.
<b>Desirable Qualification</b>	Experience with programming platforms such as Python, MATLAB, C#, Unity 3D, or Unreal Engine is highly desirable. Knowledge of signal processing, machine learning/deep learning algorithms, and Kannada language will be considered desirable but not mandatory. Candidates proficient in Kannada may be given preference due to the project's English–Kannada speech-processing requirements.
<b>Age</b>	The upper age limit is 28 years (5 years of relaxation for Female/SC/ST/Physically Challenged candidates), whereas 3 years of relaxation applies to OBC (Non-Creamy Layer candidates). All other factors being equal, SC/ST candidates will be preferred in accordance with GOI rules.
<b>Key responsibilities</b>	The candidate will work on "human-machine interfaces using virtual reality, speech signal processing and modeling, biomedical 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 NIMHANS Bangalore. The candidate will also engage with scientists and clinical collaborators to support the project.



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## Application Procedure

Interested candidates can apply for the position by filling in their details and uploading the required documents through the Google Form available at the following application link: <https://forms.gle/YdhPpoeQsrra5fim6>

Last Date of Application: **10<sup>th</sup> July 2026**

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

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

## Contact Details:

**PI**  
Dr. Deepesh Kumar  
Assistant Professor  
SBME, IIT(BHU) Varanasi  
[deepesh.bme@iitbhu.ac.in](mailto:deepesh.bme@iitbhu.ac.in)

**Co-PI**  
Dr. Jac Fredo AR  
Associate Professor  
SBME, IIT(BHU) Varanasi  
[jack.bme@iitbhu.ac.in](mailto:jack.bme@iitbhu.ac.in)