

**Recruitment of Junior Research Fellow in the  
School of Bio-medical Engineering,  
Indian Institute of Technology (BHU), Varanasi**

Applications are invited from Indian nationals for the following position for the research project funded by SERB, (Ref. No. SRG/2021/002289) titled “**Development of Sparse Inverse Co-variance based functional brain connectivity Schemes for the assessment of Shared Autistic Traits in Autism and Typical Development**” IIT (BHU) Ref No. SERB/BME/21-22/05/321, India for two years. The details are as follows:

**Name of the Position:** Junior Research Fellow

**Number of positions:** 01

**Last date of application:** Applicants should apply by **20/03/2022**

**Duration of position:** Maximum two years (remaining three years IIT (BHU) will pay for the candidate if he/she registered Ph.D.)

**Emoluments (p.m):** Rs. 31,000/- (Consolidated)

**Essential:** First class in Bachelors/Master’s degree in Bio-technology/Bio-medical/Electrical/Electronics/Computer Science/Instrumentation/Mechanical Engineering or allied branches of these disciplines. The candidate must have qualified GATE score.

**Age:** Upper age limit is 28 years (5 years relaxation for Female/SC/ST/Handicap candidates), whereas 3 years in case of OBC (Non-Creamy Layer candidates). Age limit may be further relaxed for well qualified, experienced and deserving candidates. All other factors being equal, SC/ST candidates will be preferred as per GOI rules.

**Desirable qualifications:** Proficiency in any coding platforms like Matlab/Rstudio/Python is an additional advantage but not mandatory. Knowledge in signal/image processing, machine learning algorithms is an additional benefit but not mandatory.

**Key capabilities:** Excellent written and verbal communication skills, ability to produce high quality reports. Demonstrated high level of self-motivation, initiative and an ability to plan and organise work to meet deadlines and work independently with minimal supervision.

**Key responsibilities:** Under the leadership of the investigator and within existing restraints, manage the project work. Visit hospitals in Bangalore and Trivandrum, interact with patients, and discuss with doctors as part of the project.

Candidate will primarily work “neuroimage processing and brain connectivity methods” under the supervision of Dr. Jac Fredo. Interested candidates can send their applications by **20/03/2022** and scanned copies of certificates and documents in a single .pdf file by email to the principal investigator at **jack.bme@iitbhu.ac.in**

**General terms and conditions:**

1. Candidates then selected is expected to join immediately
2. The principal investigator has the discretion to restrict the number of candidates to be called for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement.
3. Only short-listed candidates will be communicated to appear in the interview and no other communications in this regard will be entertained.

*Jack Fredo*

*Prasen*  
15.2.22

समन्वयक/CO-ORDINATOR  
जैव चिकित्सा अभियांत्रिकी स्कूल  
SCHOOL OF BIOMEDICAL ENGG.  
भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.)  
INDIAN INSTITUTE OF TECHNOLOGY (BHU)