



भारतीय
प्रौद्योगिकी
संस्थान
काशी हिन्दू विश्वविद्यालय



INDIAN
INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY

संगणक विज्ञान एवं अभियांत्रिकी विभाग

Department of Computer Science and Engineering

19.03.2024

Recruitment of Senior Research Fellow

Applications are invited for the post of **Senior Research Fellow(SRF)** to work on a project titled “Design and Development of Computer based Intervention Model for Enhancing Numerical Cognition of Pupils to Cope with Mathematics Curricula in Primary School” sponsored by the Department of Science and Technology, India under the Cognitive Research Initiative (CRI) for three years.

Project No.: R&D/CNA/1817/DST/CSE/23-24/05/528

Objectives of the Project:

- Design and development of virtual reality (VR) based intervention on non-symbolic mathematics to improve concepts of number systems. Validating the outcome of the VR based intervention over other types of interventions.
- Design and development of computer based games with the help of immersive media on symbolic mathematics and curriculum based mathematics for children of Grade I and Grade II in primary schools around BHU, Varanasi.
- Development of effective Viewpoint Analyzer such as Field-of-View Prediction in 360- Degree VR videos, Grouping Viewpoints of users.
- Development of passive monitoring tools to capture brain signals of the students while they will undergo intervention and finding the correlation between the brain signal and the outcome of the training.

Details of the Position:

- Name of Position: Senior Research Fellow(SRF)
- Number of Positions: 01
- Last Date of Application: ~~April 30, 2024~~ **July 15, 2024**
- Tenure: Three Years (initial appointment will be for one year which may be extended based on performance)
- Emoluments: INR 42,000/- + 18% HRA per month for SRF
- Qualifications
 - ★ M.Tech./M.E. degree in Computer Technology/ Information Technology/ Electronics and Communication Engineering/ Mathematics and Computing/ All related subjects of Computer Engineering with minimum 60% marks (or, 6.0 CPI on a 10-point scale).
 - or
 - B.Tech./B.E. degree in Computer Technology/ Information Technology/ Electronics and Communication Engineering/ Mathematics and Computing/ All related subjects of Computer Science & Engineering with minimum 75% marks (or 7.5 CPI on a 10-point scale) with GATE in CS/IT/Data Science.
 - ★ Qualified in GATE in CS/IT/Data Science or National Eligibility Tests such as CSIR-UGC NET including lectureship (Assistant Professor)
- ★ **Two years of research experience.**
- Desirable Skills/Experiences:
 - Hands-on experience with implementing VR applications. Good communication skills in English
- Upper Age Limit: 32 Years for SRF. Age relaxation is applicable as per Government of India (GoI) norms

Application Procedure:

Make a single PDF file with the application form (given on the next page) along with self-attested copies of all relevant qualification certificates, mark sheets, experience certificates, age-proof, and other relevant documents, and email it to bidyut.cse@itbhu.ac.in with subject line **Application for SRF 2024** by ~~April 30, 2024~~ **July 15, 2024**. Document verification with the original will be done at the time of the interview.

General Terms and Conditions:

- The PI has the discretion to restrict the number of candidates to be called for interview to a reasonable limit by qualifications and/or experience higher than the minimum prescribed in the advertisement.
- Only shortlisted candidates will be communicated through email to appear for an interview.
- No TA/DA will be paid for attending the interview.
- The position is purely temporary and coterminous with the project.
- Refer to <https://www.iitbhu.ac.in/positions> for further updates and details, if any.

Contact Details:

Dr. BIDYUT KUMAR PATRA (Associate Professor), Email ID: bidyut.cse@itbhu.ac.in ; Mobile: 9337546928

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