Applications Invited for a Field Worker Position

(Starting Immediately at Human-AI Interaction (HAIx) Lab, CSE, IITGN)

Title of the project: iGazeBuddy: Multimodal Gaze-Controlled On-Screen Assisted Learning System for Dyslexia Detection and Intervention in Regional Indian Languages

Principal Investigator (PI): Prof. Yogesh Kumar Meena
Position being advertised: Field Worker (one)
Project Duration: Three years (Funding validity util 11th June 2028). Initial appointment is for 1 year, extendable based on performance.

Project description: This research project aims to develop and evaluate a multimodal gaze-controlled learning system integrating eye-tracking, surface electromyography, touch switches, and machine learning to support dyslexic children. The system will feature an on-screen virtual keyboard in Indic languages to identify dyslexia-related challenges and deliver tailored interventions. By leveraging adaptive tools and repeated exposure, it seeks to detect early warning signs, reduce symptoms, and improve learning outcomes. The research hypothesizes that combining eye-tracking measures with machine learning can effectively detect dyslexia-related oculomotor deficits and improve reading fluency through personalized, language-specific interventions.
Funding Agency: Anusandhan National Research Foundation (ANRF)
Fellowship amount: Consolidated salary of ₹31,200/- per month (including HRA of ₹7,200/- per month i.e. 30%)
Leaves & Other benefits: As per IITGN norms.
Essential qualification: Graduate degree in any discipline.
Desired Qualifications:
1. Candidate with psychology background shall be preferred
2. Expertise data gathering from children, parents and teachers at schools, dyslexia centers, clinical settings.
3. Expertise in conducting experimental studies, field trials, and testing, evaluating the digital/physical system prototypes with users, and stakeholder interaction.
4. Experience of writing research papers is an added bonus
5. Domain expertise in human-computer interaction and eye-tracking is an added bonus

Applicants should submit the following documents (**as single PDF)** through the online link (https://forms.gle/h1hGU8jHrSkzm5xC6):
1. Statement of Purpose (SOP).
2. Detailed Curriculum Vitae (CV).
3. 10th, 12th and UG/PG degree marksheets/certificates.

Last date for applying: This is a rolling advertisement until the position is filled. However, applications received on or before December 21st, 2025, will be considered priority.

For more details, please contact the PI (Yogesh K. Meena - yk.meena@iitgn.ac.in):
https://labs.iitgn.ac.in/haix/