IIIT Hyderabad Invites Applications for the Position of Junior Research Fellow (JRF) at Cognitive Science Lab, IIIT Hyderabad

Advertisement No: IIITH/RnD Recruitments/04/2024

Application Start Date: 15-03-2024
End Date: 10-04-2024.

The International Institute of Information Technology Hyderabad is a world-class institution, where the passion for learning, teaching, research, problem solving, and making a difference is celebrated. With emphasis on research, the institute has large research centers with PhD & MS by Research students working on wide ranging topics. The institute offers B. Tech, MS by Research, Dual Degree (B. Tech + M$\text{S}$), M. Tech and PhD programs. IIIT-H provides a flexible environment that facilitates active industry collaborations for conducting research.

Principal Investigator: Dr. Kavita Vemuri
Webpage: https://faculty.iiit.ac.in/~kvemuri/

Co-Principal Investigator: Dr. Rashmin Gandhi
Webpage: https://in.linkedin.com/in/rashmin-gandhi-b285b639

Project title: To evaluate the effect of neurodegenerative conditions on rod-, cone-, and melanopsin-mediated pupillary light reflexes (PLRs)/pupillary response and eye movements & develop a low-cost eye tracker designed to function as a binocular pupillometer.

Project funding: Science and Engineering Research Board, Govt. of India.

Project Description: The project objectives are 2-fold mainly: a) clinical investigation of pupillary light reflex/response as marker for neurodegenerative conditions and b) develop and validate a low-cost pupillometer. The clinical validation includes OCT image analysis, testing for optic nerve conditions, in addition to PLR/PR. Data will be collected from hospitals, clinics and rural health care centers.

Position with Academic qualifications and remuneration:

<table>
<thead>
<tr>
<th>Title</th>
<th>Manpower Positions</th>
<th>Essential Qualifications &amp; Age Limit</th>
<th>Additional Qualifications</th>
<th>Monthly Emoluments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior Research Fellow (JRF)</td>
<td>01</td>
<td>Graduate or Post Graduate Degree in MBBS/ECE/MSc in Cognitive science/neuroscience/master’s in optometry/ MSc in Biophysics or Biology Scholars qualified with National Eligibility Tests (CSIR-UGC-NET) and/or GATE.</td>
<td>Graduates with background in clinical work, vision neuroscience understanding, and fair exposure to experimental design/data analysis.</td>
<td>Rs.31000 + 24% (HRA) If applicable</td>
</tr>
</tbody>
</table>

Appointment Duration: 3 years (Initial appointment as JRF for a period of 2 years and Extendable for 1 year as SRF based on Performance)

Emoluments: As per the Manpower norms mentioned in the sanctioned order issued by the funding body.

PhD Enrolment: Based on performance, selected candidate would be offered the chance to enroll in Ph.D. program at IIIT-H. However, Institute admission procedure is to be followed in this regard.

To Apply: Interested candidates can email CVs to hiring.projectstaff@iiit.ac.in, with subject line: PLR-neuro_JRF name.

Shortlisted Criteria: Candidates will be shortlisted based on their academic qualifications and experience and will be invited for interviews after April 7th, 2024.