भारतीय प्रौद्योगिकी संस्थान मण्डी
कमान्द – 175 075, ज़िला – मण्डी,
हिमाचल प्रदेश, भारत

Indian Institute of Technology Mandi
Kamand – 175 075, District – Mandi,
Himachal Pradesh, India

<u>Research Associate **and Project Associate-I** Positions in a Healthcare Robotics Project</u>

Applications are invited from Indian citizens for one (01) Research Associate and two (02) Project Associate-I positions in a Healthcare Robotics Project undertaken at IIT Mandi.

Project Title: Brain wave controlled robot in healthcare and telepresence mobile manipulation in cognitive imitation learning (Project No. IITM/IHFC-IIT Delhi/LB/370)

Funding Agency: IHFC-IIT Delhi

I. <u>Research Associate</u>

Number of Positions	1
Eligibility	**Minimum eligibility criteria:** A doctoral degree with research expertise in robotics or M.Tech with at least 5 years of experience in robotics. **Desirable:** • Hands-on experience with requisite programming languages: Python, MATLAB, etc. • Familiar with working on Robot Operating Systems (ROS). • Ability to evaluate integrated systems (Getting the sensor information, URDF, etc.). • Basic knowledge of Computer Vision for robotic systems. • Any other experience related to robotics and control.
Job Profile	The job will entail: • research, development, and evaluation of autonomous navigation, planning, and manipulation strategies to advance real-world healthcare robotic applications, and • collaboration with researchers, who focus on perception, multi-modal interaction, and robot integration toward meeting the goals of this project.
Salary	60,000 INR (consolidated) per month.
Duration	Initially for a period of 06 months; extendable subject to performance.

II. <u>Project Associate-I</u>

Number of Positions	2
Eligibility	**Minimum eligibility criteria:** B.Tech. in Electrical Engineering/ Computer Science Engineering/ IT /Electronics Engineering/ or allied areas. **Desirable:** • M.Tech. with specialization in Robotics/ Control and Automation/ AI/ or related areas.

	• Hands-on experience with requisite programming languages: Python, MATLAB, etc. • Familiar with working on Robot Operating Systems (ROS). • Basic knowledge of Computer Vision for robotic systems. • Any other experience related to robotics and control.
Job Profile	The job will entail: • coding, training, and deploying various algorithms on the robot, and • experiment designing, conducting clinical trials, post-processing and analyzing the data, statistical analysis, and reporting the results.
Salary	40,000 INR (consolidated) per month.
Duration	Initially for a period of 06 months; extendable subject to performance.

Last date of application: 16th December, 2022.

Principal Investigator: Prof. Laxmidhar Behera, (SCEE) IIT Mandi

Candidates meeting the aforementioned qualification and experience should send their following documents via Google Form link given below.

- Updated Curriculum Vitae (CV)
- A cover letter
- Scanned copies of educational degrees and certificates (10th standard onwards)
- Scanned copies of experience certificates (if any)

Google Form Link: https://forms.gle/1JfNVfLmtMn4vvid6

The interview will be held online via Google Meet/Webex; date and time of the interview along with the meeting link will be shared by email to the shortlisted candidates.

Terms and Conditions

- The selected candidate will need to join the position immediately.
- After joining, the candidate may get institute accommodation based on availability as per institute norms.
- Merely fulfilling the eligibility requirement does not guarantee to shortlist for an interview; higher shortlisting criteria may be imposed.
- The decision of the selection committee regarding the interview logistics and selection process for the aforementioned post will be final.
- The selection committee reserves the right to fill up or not fill up the advertised post.

For any clarifications/information, please contact Dr. Narendra Kumar Dhar at narendra@iitmandi.ac.in.