



**Indian Institute of Technology Mandi**  
**Kamand, HP, India - 175005**  
[www.iitmandi.ac.in](http://www.iitmandi.ac.in)

Advertisement No.: IITMandi/Acad/IKSMHA/01

Date: 6<sup>th</sup> June 2022

## **Two Postdoc positions in Indian Knowledge System and Mental Health Applications at Indian Institute of Technology (IIT) Mandi, India**

### **Introduction**

This post-doctoral position will involve behavioral, neural, affective, and computational research in the Indian knowledge system (IKS) and mental health applications. Ideal candidates will have a Ph.D. in Engineering, Basic Sciences, IKS, Computer Science, Economics, Psychology, Decision Sciences, Human Factors, or equivalent field. Applicants should have broad research interests involving human behavior, learning, and decision making from an affective, neural, cognitive, and computational perspective.

The position will focus on research on topics concerning IKS, which has several benefits for the human body, mental health, and wellbeing. In fact, IKS has deep roots grounded in Indian history, philosophy, society, arts, languages, science and technology, and life sciences. IKS may incorporate the study of mind, brain, and consciousness and include applications from consciousness studies, yoga, meditation, Ayurveda, traditional Indian medicine research, and other Indian performing arts. The research would be grounded in interdisciplinary scientific methods. It would involve several methodologies from cognitive science, decision-making, human-computer interaction, neuroscience, computer science (machine learning), sports science, chemistry, biology, and experiment design. In addition, the ideal candidate should have programming skills including knowledge of programming languages (e.g., Python, Matlab, PHP, Javascript, and databases like MS Access and MySQL). A research background in EEG recording and data analysis is desirable. The candidate will work at the newly created Indian Knowledge System and Mental Health Applications Centre (referred to as "IKSMHA Centre") at IIT Mandi. The candidate is expected to be capable of working under limited supervision and should have persuasive communication skills. A successful candidate is expected to publish papers in top-level journals and conferences. The start date is within 15-days of making the offer but can be negotiable for exceptional cases.

### **Eligibility**

Ph.D. (or waiting for thesis defense after thesis submission) with quality research publications in peer-reviewed journals and an excellent academic record throughout.

*Benefits:* Benefits include medical reimbursements, a yearly research grant, an attractive salary commensurate with experience, and House Rent Allowance (HRA) if campus accommodation is not used.

**Funding Agency:** IIT Mandi

**Number of positions:** 2

**Duration:** 2 years and extendable by an additional year based upon performance

**Fellowship:** INR 45,000 – INR 55,000 (based upon prior experience)

### **About IITs**

The Indian Institutes of Technology (IITs) are India's top engineering and research institutions that attract the brightest Indian talent in science and engineering. The IITs are governed by the Indian Institutes of Technology Act, 1961, which has declared them "institutions of national importance." They have a common admission process for undergraduate admissions, using the very selective Indian Institute of Technology Joint Entrance Examination (IIT-JEE). The qualification rate of the JEE-Advanced in 2017 was approximately 0.92% (about 11,000 out of 1,200,000 who applied for JEE-Main).

The IIT's Mandi campus is in the scenic hill town of Kamand, Himachal Pradesh, India. Kamand provides an excellent vacation spot for those loving natural beauty, and it experiences mild summers and cold winters. The Kamand township is just 2-3 hours before the Himalayan resort of Kullu and Manali in Himachal Pradesh, once considered "the end of the habitable world." The location is in the lower Himalayan Mountains on the banks of river Uhl, a tributary of river Beas., Himachal Pradesh, India. Kamand provides an excellent vacation spot for those loving natural beauty and it experiences



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This is a full-time position for a fixed term of 24 months, with the possibility of an extension for another year. For further information about the position, please contact Prof. Varun Dutt by email at [varun@iitmandi.ac.in](mailto:varun@iitmandi.ac.in) with a cc to Prof. Arnav Bhavsar ([arnav@iitmandi.ac.in](mailto:arnav@iitmandi.ac.in))

### **Steps to Apply**

Please fill out the application form here: <https://forms.gle/j5WQwSmerL3rV1R57> (Deadline: The last date for filling this form is by 23:59 IST on 20/06/2022.)

### **Terms and Conditions**

The Institute (IIT Mandi) will screen the applications and then decide to call only those candidates who meet the screening criteria.

The Institute may change or set higher criteria for screening or selection of postdocs. Overall, the decision of the Institute regarding the interview logistics and selection process for the post will be final.

Applicants who meet the screening criteria would be called for an online interview. The date and time of the interview, along with the online link, will be shared by email with candidates before the interview.

The selection committee reserves the right to fill or not fill the advertised post.