Indian Institute of Technology Mandi
Mandi-175075, Himachal Pradesh, India

भारतीय प्रौद्योगिकी संस्थान मण्डी
मण्डी–175075, हिमाचल प्रदेश, भारत

Advertisement No. IIT Mandi/PDF/2024/Faculty/1441   **Dated: 16.08.2024**

<p align="center">ROLLING ADVERTISEMENT FOR THE POST OF
POSTDOCTORAL FELLOW</p>

IIT Mandi invites applications from candidates with an outstanding track record for positions at the level of Postdoctoral Fellow in the following Schools/Centres:

Sr. No.	School/ Centre	Research Theme(s)
1	School of Mechanical and Materials Engineering	Solid Mechanics and Design, Materials Science and Engineering, Thermal Engineering, Manufacturing
2	School of Computing and Electrical Engineering	AI/ML, Theory of CS, Systems Engineering, Control and Automation, Microelectronics and VLSI, Intelligent Communication Systems and Signal Processing, Power Systems
3	School of Civil and Environment Engineering	Structure, Water Resources, Geotechnical Engineering, Environment
4	School of Biosciences and Bioengineering	Host - gut microbiome interaction & Computational Biology, Molecular Biology and Genetics, Host - pathogen interaction, Nanomaterials for Biomedical Applications, Metabolic diseases
5	School of Chemical Sciences	Inorganic Chemistry, Physical Chemistry, Organic Chemistry
6	School of Physical Sciences	Condensed Matter Physics, Theoretical Physics, High Energy Physics
7	School of Mathematics and Statistical Sciences	Theoretical and Numerical/Computational Differential equations, Algebra, Analysis, Topology, Statistics, Optimization, and Data Analytics, Theoretical Computer Science
8	School of Management	AI and Marketing Analytics, Operations & Supply Chain Analytics, Strategic Management, Generative AI Applications to Decision Sciences, HR Analytics, Blockchain & Cyber Security application to Business
9	Centre for Human Computer Interaction	Assistive Technologies, Device technologies for human computer interaction, Experiential technologies, Generative AI, Deciphering undeciphered ancient scripts, medical diagnosis using HCI
10	Indian Knowledge System and Mental Health Applications	Consciousness studies, Analysis of IKS based interventions for wellbeing, Yoga and cognition, Music and musopathy, Therapeutic aspects of performing arts, Ayurveda for mental health and wellbeing, IKS based models of AI Ethics
11	Centre for Quantum Science and Technologies	Experimental Quantum Optics, Computing Programming (Python), Image processing
12	Centre for Climate Change and Disaster Management	Climate Economics, Law and Policies, Climate associated Disaster Modelling, Disaster Risk Reduction

Recruitment policies for IITs as stipulated by the Government of India from time to time, will be applicable.

1. **Eligibility**
- Ph.D degree holders are eligible to apply within five years after completion of Ph.D.
- Candidates who have submitted their dissertation and are awaiting the final vive voce can also apply.

2. **Applications and Selection Process**
- Applications will be asked through rolling advertisements. Based on requirements and Director's approval, applications will be further considered.
- School/Centre level approved committee will shortlist and assess the candidature based on interview and presentation.
- Finally, Institute Level Committee constituted by the Director will submit final recommendation to the Director for the final approval.

3. **Job Roles and Responsibilities**

1. **Scientific Advisory and Research Support:**
   - Provide expert scientific support to researchers, and students.
   - Draft flagship research projects (in association with school/centre/research groups) along with sponsored research projects/consultancy in individual capacity (in collaboration with individual faculty)

2. **Technology Transfer and Innovation Management:**
   - Facilitate the transfer of academic innovations into practical applications, emphasizing patenting, copyrights, and technology transfer processes.
   - Collaborate with faculty members and research centers to identify opportunities for commercialization and industry partnerships.
   - Manage intellectual property portfolios, including patent filings, licensing agreements, and technology commercialization strategies.

3. **Collaboration and Outreach:**
   - Foster collaborations and partnerships with external stakeholders, including government agencies, industry partners, and community organizations.
   - Represent the institute in scientific conferences, workshops, and networking events to promote collaborative research opportunities.
   - Engage in outreach activities to raise awareness of institute capabilities and research expertise, fostering strategic partnerships and funding opportunities.

4. **Training and Capacity Building:**
   - Develop and deliver training programs, workshops, and seminars on scientific methodologies, laboratory techniques, and technology transfer best practices.
   - Provide mentorship and guidance to students, researchers, and staff members on scientific research, innovation management, and laboratory practices.
   - Support the Centre for Continuing Education (CCE) initiatives by contributing to the development of vocational training programs and courses aimed at knowledge transfer and skill development.

The Postdoctoral Fellow are eligible for the following:

1	**Fellowship Amount** (consolidated)	Fresh PhD : ₹ 80,000 PhD+1 yr relevant experience : ₹ 85,000 PhD+2 yr relevant experiences : ₹ 90,000 PhD+3 yr relevant experiences or more : ₹ 95,000
2	**Accommodation**	Suitable Campus accommodation as per IIT Norms will be provided if requested and if available. Or HRA will be paid at the prevailing rates of the fellowship amount for off campus housing.
3	**Medical Benefits**	A postdoctoral Fellow may avail outpatient facilities in the Institute Health Centre. No Imbursement of cost of medicines in treatment is permissible, any outside referral shall not be reimbursable. The dependant of Postdoctoral Fellow will be eligible for OPD facility at Health Centre & Medicine available at Pharmacy of Health Centre. Dependents for this purpose shall be limited to spouse and maximum two children.
4	**Leave Rules**	• A Postdoctoral Fellow shall be entitled **30 days annual leave in a academic year**. The leave shall be earned on pro-rata basis. • Joining report whenever leave is availed should be submitted. • The leave account of Postdoctoral Fellow shall be maintained in

		schools/centres. • No leave encashment of unutilized leaves shall be allowed. Women Institute Post-Doctoral Fellow are eligible **for Maternity Leave** subject to the following: A female PDF may be granted maternity leave for a maximum period of 03 months. Leave upto 06 weeks can also be granted for miscarriage including medical termination of pregnancy, if supported by a proper medical certificate. Such leave can be combined with any other leave due and will not entail any loss of financial assistantship.
5	**Other terms and conditions**	• This is purely a temporary time-bound position, and must not be considered in any way as a permanent cadre of the Institute. Maximum duration of the fellowship is upto 3yrs (after annual reviews). • Research Grant of 1 lakh per year (with carryover possibilities and pro-rata basis) (upto three years). • PDF will be attached to a research group/school/centre, not to an **individual faculty. However, they will be under supervision of research theme coordinator/chairs.** • IITMandi Ph.D. scholars are not eligible to apply for Institute PDF. • Reservation/Relaxations are as per GOI Norms. • Post docs will be eligible to serve as co-guide for B.Tech and M.Sc./M.Tech projects.

Important Information

- The processing of the applications by the Academic Unit will be done in three cycles every year and the deadlines are respectively **First Cycle – 30th April, Second Cycle – 15th September and Third Cycle- 31st December** of the respective year.
- Mere fulfillment of eligibility will not entitle any candidate for being called for interview.
- Interviews will be scheduled based on the need of the Schools/Centres/Institute.
- The requirements of minimum qualification and/or experience may be relaxed in the case of candidates with outstanding credentials.
- The Institute reserves the right to fill or not to fill any or all the post(s) advertised without assigning any reason.
- All correspondence should be addressed to respective school/centre chairpersons. For queries related to technical issues, kindly e-mail at i-pdf@iitmandi.ac.in.
- Contact details of Chairperson of Schools are available at the Institute website: www.iitmandi.ac.in. The candidates may also approach them for any specific clarification.
- No information will be sent to those candidates who are not shortlisted for interview.

Candidates must apply online through the link at https://forms.gle/kV2AaCFHpmfzHp8s8

For any queries, please contact your respective School Chairs: Website: https://iitmandi.ac.in/allfaculty.php