



**ADVERT NO. IIT MANDI/ADMIN/RA/2016/02**

**Dated 26th December, 2016**

IIT Mandi is the only IIT in the Himalayas. IIT Mandi's 530 acre campus is located on the River Uhl, a tributary of the River Beas, 18 km outside the historic town of Mandi in Himachal Pradesh. Surrounded by forested hills far from the hustle and bustle of cities and highways, this scenic campus will soon provide an excellent environment for the highest quality academic pursuits – research, teaching and learning.

IIT Mandi is evolving curricula at the Bachelor's, Master's and Doctoral levels aimed at training engineering leaders for industry, academia and the public sector. The B. Tech. Curriculum has a strong design component based on real-world problems, complemented by liberal doses of basic sciences, engineering sciences and humanities. The curriculum offers flexibility for students to tailor their studies to their interests.

The first batch of students was admitted in July 2009 through JEE. Institute offers four B. Tech programs – in Electrical Engineering, Mechanical Engineering, Computer Science & Engineering and Civil Engineering.

IIT Mandi strongly encourages faculty to collaborate and address significant inter-disciplinary problems, especially with real-world applications. Collaboration could be within the institute and with other institutions and industry. The institute actively encourages research in the thrust areas below:

- Energy-efficient and environmentally sound infrastructure for the Himalayan region (renewable energy systems, buildings, transport networks, waste management, water resources management, etc.)
- Technologies including IT and Communications, for sustainable development (including disaster management, and increasing the viability of fruit and vegetable growing through mechanization/biotechnology and post-harvest value addition).
- Materials for electronics and electrical engineering, including meta-materials, nano-materials and bio-materials.

### **Current Openings**

Please see the webpage <http://www.iitmandi.ac.in/administration/recruitment.html> for the list of openings that are currently being advertised.

The Indian Institute of Technology (IIT) Mandi invites applications for faculty positions at the level of **Assistant Professor (Contract), Assistant Professor and Associate Professor** in the **School of Basic Sciences** in following **specific areas**:

#### **For Associate Professor Positions:**

##### **Physics:**

1. Quantum optics and nano-photonics
2. Theory and computational studies of structural glass transition
3. Photo-ionization studies of free and confined atomic systems
4. Electronic & structural studies of strongly correlated electron systems

### **Chemistry:**

1. Bioinspired materials

### **Mathematics:**

1. Indian monsoon rainfall data analysis
2. Fractional differential equations
3. Genetic algorithms
4. Nonlinear dynamics in ecological modeling
5. Numerical methods for partial differential equations

### **Bio-X:**

1. Environmental and health associated genomics and metagenomics

### **For Assistant Professor (Contract) and Assistant Professor Positions:**

#### **Chemistry:**

1. Hybrid Fluorescent Chemosensors
2. Polymer Synthesis

#### **Mathematics:**

1. Statistics
2. Real and Complex Analysis, Topology
3. Theoretical Partial Differential equations
4. Controllability of abstract differential equations

Applicants should have a passion for teaching, should be exceptionally motivated, and should have an established record of high-quality research. IIT Mandi promotes an interdisciplinary culture and SBS faculty can collaborate with Institute faculty in other areas of engineering, basic sciences, and humanities and social sciences. Also, with its location in the Himalayas, IIT Mandi provides unique opportunities for research on socially-relevant technologies for the Himalayan region.

**ASSISTANT PROFESSOR:** Details of pay given below.

**ASSISTANT PROFESSOR (ON CONTRACT):** Details of pay given below. Candidates not eligible for direct recruitment may be put on tenure track for the regular post of Assistant Professor. They shall move after 1 year to AGP of Rs.7,000/- and after 3 years to AGP of Rs.8,000/-.

#### **Essential qualifications**

Ph.D. in a relevant area with first class or equivalent at the preceding degree with consistently good academic record throughout.

#### **Experience:**

**Assistant Professor:** At least 3 years relevant industrial/research/teaching experience excluding, however, the experience gained while pursuing Ph.D. For this position, candidates should preferably be below 35 years of age.

**Assistant Professor (on Contract):** Candidates lacking the experience for direct recruitment as Assistant Professor may be put on tenure track for the regular post of Assistant Professor. For this position, candidates should preferably be below 35 years of age.

**ASSOCIATE PROFESSOR:** Details of pay given below.

### **Essential qualifications**

Ph.D. in a relevant area with first class or equivalent at the preceding degree with consistently good academic record throughout.

### **Experience:**

**Associate Professor:** A minimum of 6 years teaching/research/professional experience of which at least three years should be at the level of Assistant Professor in an academic institution or equivalent position in a research organization or industry as on the date of application. The candidate should have demonstrated adequate experience of independent research in terms of guidance of M. Tech. and Ph.D students, strong record of publications in journals of high impact factor, patents, laboratory/course development and/or other recognized relevant professional activities.

Candidates who do not fulfill such minimum experience requirements may be offered appointment at the Assistant Professor or Assistant Professor (On Contract) level, depending upon the academic credential.

### **Definition of “First Class” for the purpose of Faculty selection:**

IIT Mandi takes first class for faculty selection to mean 60% of the range of grade-points or marks. However, for those institutes which award first class, the minimum of 60% or the percentage of marks or grades at which the institute awards first class is taken as the criterion for first class. Nevertheless, the criterion for first class shall not be lower than 58% in any case.

**Higher qualifications and experience may be used in each area based on need. In view of the inter-disciplinary nature of IIT Mandi, although posts may be advertised against one School, the selected candidate may be offered the same post in another School if the Selection Committee finds this more suitable.**

### **Application Form and Instructions**

Candidates fulfilling the eligibility criteria must apply online at [http://iitmandi.ac.in/oaf\\_specific](http://iitmandi.ac.in/oaf_specific)

**The last date for receiving applications is 5 pm IST, 15<sup>th</sup> Feb., 2017.** After this deadline, applications may be considered until faculty positions get filled.

For the terms and conditions and other details about the application procedure, please see the document: [FACULTY ADVERTISEMENT NO. IIT MANDI/2/2011 DATED 12<sup>th</sup> October, 2011 \(Rev. 23<sup>rd</sup> July 2014\)](#). For queries, please contact, Dr. Prasanth P. Jose, Chairperson, SBS Indian Institute of Technology Mandi, via email ([chairsbs@iitmandi.ac.in](mailto:chairsbs@iitmandi.ac.in)). General information about the School of Basic Sciences can be found on the following website: [http://www.iitmandi.ac.in/institute/faculty\\_bs.html](http://www.iitmandi.ac.in/institute/faculty_bs.html)

### **Instructions for completing the online application form:**

- Indicate the Thrust Area(s) and other research areas in which you have experience.
- Write a short statement of purpose, in the box provided, that explains your plans with reference to IIT Mandi’s vision and goals. Please visit the IIT Mandi website <http://www.iitmandi.ac.in/> before you do this.
- Please enclose a detailed Academic Profile including the following information:
  - (a) Details of publications/conference papers presented, listing:  
Publications/presentations giving chronologically:

Names of authors, title of the paper, name of the journal/conference, volume/proceeding, pages (from-to) year, etc. (Group the above separately as Refereed National Journals, Refereed International Journals, Non-refereed Journals, presented at National Conferences, presented at International Conferences etc.)

(b) Awards, Patents, Prizes etc. indicating:

Nature, name of prize/award, awarded by awarded for, year of award

Name of the Patent, year and details about the patent, etc.

(c) Research guidance (Ph.D. /M.S. /M.Tech. only those already awarded) listing:

Research degree, name of the scholar, title of thesis, year of award, co-guide, if any, etc.

(d) Role in and details of research/consultancy projects carried out, listing:

Title of the project, duration, sponsor, value, co-investigators, if any, etc.

(e) Other Activities like:

Textbooks and Monographs written, with details.

Continuing education programs/conferences organized (as on organizer or co-organizer) etc.

(f) Any other relevant but brief information on your academic standing.

- Enclose reprints of your three best papers published.

### Scales of Pay

Post	Scale of Pay	Total Approximate Emoluments	
		With House Rent Allowance and Transport Allowance	Without House Rent Allowance including Transport Allowance
<b>Associate Professor</b>	Pay Band 4 (Rs.37,400-67,000) with AGP Rs.9500/- Minimum pay Rs.42,800/-*	Rs.1,17,303/-	Rs. 1,12,073/-
<b>Assistant Professor</b>	PB3 Rs. 15600-39100 with AGP of Rs.8000/- Minimum pay Rs. 30,000/-	Rs. 79,540/-	Rs. 75,740/-
<b>Assistant Professor (on contract)</b>	PB3 Rs. 15600-39100 with AGP of Rs.6000/- Minimum pay Rs. 26,620/-	Rs. 68,780/-	Rs. 65,518/-

\*For direct recruits at the level of Associate Professor , minimum pay in the Pay Band to be fixed at Rs.42,800/- p.m.

- The posts carry allowances such as D.A., H.R.A. and transport allowance as per rules of the institute which at present correspond to those admissible to Central Government employees stationed at Mandi.
- Depending upon the qualifications and experience, higher starting salary may be offered in deserving cases.

## Support for professional advancement of faculty

- For candidates joining the Institute from abroad a relocation allowance of Rs.1,00,000/- (Rupees One Lakh Only) is admissible for self and family on production of tickets for travel shortest route by Air India economy class subject to the condition that they serve the Institute for a minimum period of 3 years.
- For candidates joining the Institute within India a relocation allowance of Rs.50,000/- (Rupees. Fifty Thousand Only) is admissible for self and family on production of tickets for travel by shortest route by Indian Airlines economy class/ road/ train subject to the condition that they serve the Institute for a minimum period of 3 years.
- A Startup Grant of up to Rs. 5 lakhs for carrying out a research project of 3 years duration, based on a research proposal. A joint proposal from 2 faculty members is eligible for up to Rs.15 lakhs. Can be enhanced up to Rs.20 lakhs for Experimental Research.
- A Cumulative Professional Development Allowance (CPDA) of Rs.3 lakhs for every block period of 3 years (Rupees One lakh per year) is made available to every member of the faculty to meet the expenses for participation in national and international conferences, payment of membership fee of professional bodies, contingent expenses, etc.
- No limit on the attendance at International Conferences without Institute financial assistance.
- **Accommodation:** On arrival may stay in Guest House up to one week free and allotment of single bedroom quarters on spot allotment basis subject to availability.
- The Institute encourages interaction of the faculty with industry, other research and professional institutions.
- Professional visits can be undertaken during vacation period for carrying out scientific research work.
- Facilities for Research and Development activities are being established in all areas. Faculty can define the choice of facilities. Good library and computing facilities are available and are being constantly enhanced.

## Additional Information

- Permanent faculty positions are open to Indian Nationals. Appointment of persons of Indian Origin (PIO), overseas citizens of India (OCI) and foreign nationals for fixed periods on contract basis is permissible.
- Clearance from the Ministries of External Affairs and Home Affairs is necessary for foreign nationals.
- **Reservation:** Without any compromise on qualification, experience and competence, reservation as per Government of India (GoI) rules is available.
- Candidates employed in Government and Semi-Government Organizations, Public Undertakings, University and Educational Institutions must apply through their present employers. If they anticipate unavoidable delay in their applications being forwarded through proper channel, they may submit advance copies of their applications directly to the Registrar, IIT Mandi.
- The Institute reserves the right to fill or not fill any or all the posts advertised.

- The Institute reserves the right to restrict the number of candidates for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement and other academic achievements.
- The invitation to candidates for interview merely indicates that it is felt that he/she with others may be suitable for the post and conveys no assurance whatsoever that he/she will be recommended or selected or his/her conditions specified in the application will be accepted.
- The Institute reserves the right to screen and call only such candidates as are found prima-facie suitable for being considered by the selection committee. Thus, just fulfilling the prescribed conditions would not entitle one to be called for interview.
- No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview/outcome of interview.
- The Institute may consider candidates whose areas of specialization lie outside those stated herein. Provided these persons have an outstanding record.
- Candidates who are interviewed for one post if not found suitable may be offered a lower post if found suitable for that.
- Outstation candidates called for personal interview will be paid economy airfare by the shortest route (by Air India where available).
- Candidates abroad (and candidates in India for exceptional reasons) who are unable to attend in person will be interviewed by video conference. In such cases, the Institute may decide to offer a contract position initially.
- The candidate is responsible for the correctness of the information provided in the application. If it is found at a later date that any information given in the application is incorrect/false the candidature/appointment is liable to be canceled/terminated.
- All posts are tenable at Kamand, District Mandi, Himachal Pradesh.
- For any queries, please contact:

**The Registrar**

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India  
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