Date: 07-10-2026

Advertisement for Admission to the PhD Programme A.Y. 2026-27 (regular full-time mode) in the School of Physical Sciences, IIT Mandi for January-July 2027 (EVEN Semester)

IIT Mandi seeks application for the **Regular Ph.D. program** in the School of Physical Sciences (**SPS**) for the EVEN semester (January-July 2027) academic year 2026-27 under the Regular Full-Time mode in the following areas.

Sr. No	Research Areas	Eligibility & Minimum Qualification	Remarks
1.	**Experimental Condensed Matter Physics** **Research Topic:** i. "Study of Ground-State Properties in Heusler Alloys" ii. "High-Pressure Raman Studies on Triangular Lattice Systems" iii. "Exploring the quantum instabilities in quasi one-dimensional doped ruthenates" iv. "Investigation of novel quantum magnetic phases in rare-earth oxides"	**CATEGORY A:-** M.Sc. in Physical Sciences with at least 60% marks for Gen/Gen EWS & 55% for SC/ST/OBC-NCL, **along with at least any one of the following:** 1. Valid GATE Score Card/Valid JEST (Joint Entrance Screening Test) Score 2. CSIR/UGC-JRF/NET certificate with validity. 3. DST-INSPIRE fellowship 4. Minimum of TWO years of research experience (acquired after obtaining the qualifying degree and completed before the starting of the semester in which admission is sought) **Exemptions from mandatory requirements of Valid GATE score:** 1. B.Tech/BE/BS (or equivalent) degree from CFTI (Centrally Funded Technical Institute)/ any of the top 100 institutes according to NIRF ranking (overall category) at the time of application/ any Himachal Pradesh Govt. institution or universities with CGPA/CPI of at least 7.5 (on a scale of 10) or equivalent# (criteria relaxed for reserved categories)	In online application select the research areas of Physical Sciences. (Candidate can select more than one area according to their preference).
2.	**Experimental High Energy Physics** **Research Topic:** i. "Top-Quark Pole Mass Measurement using tt-bar+jet events recorded by the CMS experiment at LHC with the Run 3 data"		

	ii. "Development of Optimized Gas Electron Multiplier (GEM) Foils for High-Performance Particle Detection and Precision Studies in Top Quark Physics in the CMS Experiment at the Large Hadron Collider, CERN"	2. BS-MS/M.Sc, or equivalent degree from IITs, IISERs, IISc, IIMs, NITs or any of the top 100 institutes according to NIRF ranking (overall category) at the time of application with a CGPA/CPI of at least 7.5 (on a scale of 10) or equivalent[#] . (criteria relaxed for reserved categories) 3. NIRF Ranking (within top 100) should be in the overall category granted for the year during which admission is sought. **#CGPA is relaxed as per GoI norms:** 1. UR/GEN(EWS):7.5 CGPA 2. OBC (NCL): 7.25 CGPA 3. SC/ST/PwD: 7.0 CGPA **CATEGORY B:- For Project to Ph.D.:-** This category includes project staff working on research projects in the Institute who have worked on such projects for a period of 6 months or more. They may be considered for admission to the Ph.D. Program (guided by the same PI only) with strong support from the PI. The selection procedure will be the same as for the regular Ph.D. The minimum educational qualifications are the same as mentioned in **Category A** (regular full-time scholar), except that the GATE/NET (or any other national qualifying examinations) qualifications are waived.	
3.	**Theoretical investigation of quantum fluids** **Research Topic:** i. " Non-equilibrium Phase Transitions and Universal Dynamics in Exciton-Polariton Condensates"		
4.	**Soft matter physics, electrochemistry, nonlinear dynamics and computational fluid dynamics** **Research Topic:** i. "Electrochemical instabilities and physicochemical phenomena: Experimental and Computational studies"		

- **For more details about Ph.D. Programme at IIT Mandi, please visit:**

  https://iitmandi.ac.in/pdf/ordinances/Ordinances_PhD_2026_onwards.pdf

- **How to Apply :**

  Interested candidates are encouraged to fill the online application form available in the following link:https://iitmandiadm.samarth.edu.in/admission/index.php/site/index

Application Fee for Ph.D. Admission:

Category	Amount in ₹
General/EWS/OBC/OBC (NCL)/Transgender/Foreign Nationals	200/-
Women/SC/ST/PD	100/-

- **Mode of Payment:** Online

Applicants should submit the fee online on the Samarth Portal of the IIT Mandi, and submit the generated transaction number to the Samarth admission application portal. One application fee is valid for a single application. The application fee is non-refundable.

Important Points:

- **Mode of Interview:** The interviews will be conducted in **Hybrid (Online/Offline)** mode. All Shortlisted candidates will be informed via email and through notification on IIT Mandi website.
- Candidates who are going to graduate with their qualifying degree in 2026 are encouraged to apply towards this advertisement and may be eligible for admission in the PhD program, provided they are in possession of the original qualifying degree certificate or at least a provisional marksheet at the time of admission.
- Reservation policies as per prevailing GOI rules will be followed.
- IIT Mandi reserves the right to admit / not admit for any of the advertised areas and apply appropriate criteria for shortlisting.
- The decision of the competent authority in all matters relating to the eligibility of the candidate, written test/interview results and admission would be final and binding on all the candidates. In case of any dispute/ambiguity that may occur in the process of admission, the decision of the Institute shall be final.
- All the details furnished in the online application will be treated as final and no changes shall be entertained. Non-submission of valid/required documents and/or incomplete applications shall be summarily rejected.

- For any problems regarding filling-up of online application, please contact: **it_helpdesk@iitmandi.ac.in**
- For any queries regarding the Ph.D. program in SPS, please contact the SPS office via following email:**spsoffice1@iitmandi.ac.in**
- Employed candidates seeking admission to Ph.D. program must submit a **"No Objection Certificate"** from their current employer at the time of interview.

- **Important Dates:**

Starting date for filling online application	**7th October, 2026**
Last date for filling online application	**30th October, 2026 till 5:00 PM**
Date of Interview (Tentatively)	**27th November 2026 to 4th December 2026**

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