भारतीय प्रौद्योगिकी संस्थान मण्डी
Indian Institute of Technology Mandi

गुरूग्राम विश्वविद्यालय, गुरूग्राम
Gurugram University. Gurugram

PhD Joint Degree Program

Admissions 2024-2025

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About IIT Mandi

The Indian Institute of Technology Mandi (IIT Mandi), one of the premier technical institutes in India. IIT Mandi was established in 2009 with the aim of providing world-class education and cutting-edge research in engineering, science, and technology. Since its inception, the institute has strived to achieve excellence in education, research, and innovation.

Located in the scenic town of Mandi in the Himalayan foothills, the institute offers a unique learning experience to its students. With state-of-the-art facilities and world-class faculty members, IIT Mandi provides a conducive environment for research and learning. The institute offers undergraduate, postgraduate, and doctoral programs in various disciplines of engineering, sciences, and humanities.

At IIT Mandi, we believe in fostering an environment of innovation and creativity. Our faculty members are renowned experts in their fields and are committed to providing their students with the best possible education. With our multidisciplinary approach to education, we aim to produce graduates who are well-rounded and equipped to solve real-world problems.

We take pride in our research culture and encourage our students to engage in cutting-edge research in various fields. Our research facilities are equipped with state-of-the-art equipment and resources, providing our students with ample opportunities to explore their interests and pursue their passions.

Institute Webpage: www.iitmandi.ac.in

About Gurugram University

Gurugram University, state government university established under Haryana Act 17 of 2017, is rapidly emerging as one of the Haryana's most prestigious educational institution. With a vision to lead in global education, the university is committed to fostering transcultural learning, intellectual growth, and cutting-edge research. It aspires to be a microcosm of the nation, attracting students from every corner of the country and nurturing them into socially and morally responsible individuals through a learner-centric approach. Gurugram University is dedicated to guiding students on a transformative journey from studentship to the pinnacle of discipleship by focusing on the development of academic, professional, technical, industry, and life skills.

In the 2024-25 academic session intake, Gurugram University is set to offer over 80 programs at UG, PG and Ph.D. level across 17 departments in faculty of Sciences, Engineering & Technology, Life Sciences, Social Sciences, Law & Humanities, and Commerce & Management, reinforcing its position as a global institution. The university aims to be a socially conscious center of knowledge and advancement, equipped to meet the challenges of global change while empowering its faculty to enhance student development. With Gurugram

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city evolved into a hub for medical tourism, IT, and multinational companies, the university seeks to transform the city into a centre of educational tourism in the Delhi NCR region. Aligned with its mission to become a socially conscious centre of knowledge and advancement, Gurugram University is equipped to tackle the challenges of global change. By pursuing international alliances and collaborative initiatives, Gurugram University is dedicated to achieving global excellence.

Institute Webpage: https://gurugramuniversity.ac.in/

About PhD JDP

The Joint Degree Program (JDP) offers PhD students enrolled in both institutions the chance to collaborate on a multidisciplinary research project with faculty members and research teams from IIT Mandi and Gurugram University, Gurugram, as well as to take advantage of the facilities and professional development opportunities offered by both institutions.

Important Guidelines for PhD Application

1. Please read the instructions given in the brochure carefully before filling up the applications.
2. Online Application form & Information brochure (Including the admission schedule along with the important dates) is available on the institute website at the following link: https://alliance.iitmandi.ac.in/gurugramuniversity/
3. You are required to submit the application form ONLINE. No Downloadable Forms will be available after filling the form, you are advised to take a print of your application for your records.
4. For each project, candidate should submit a separate application with the application fee.
5. The application fee is as follows:

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

*One application fee is valid for the single application. The application fee is **NON-REFUNDABLE**.

6. OBC candidates may note that the limit for annual income is Rs. 8 Lakhs for determining the creamy layer among Other Backward Classes (OBCs) candidates. The OBC (NCL) certificate issued for the financial year 2024-25 by the Competent Authority in the prescribed format must be uploaded in the ONLIINE application form.

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7. Economically Weaker Sections (EWS) candidates may note that the limit for annual income is Rs. 8 Lakhs for determining the eligibility for benefit under Economically Weaker Sections (EWS) reservation. The EWS certificate issued by the Competent Authority in the prescribed format must be uploaded in the ONLINE application form and submitted at the time of admission.

8. Seats are reserved for Economically Weaker Sections (EWS) / Other Backward Class Non-Creamy Layer (OBC-NCL) / Schedules Caste (SC) / Scheduled Tribe (ST) and Person with Benchmark Disability (PwD) categories as per Government of India norms.

9. You should check Institute website for results / important announcements.

10. You should check emails sent to your email address provided in your application for all important communications and announcements if any.

11. Merely fulfilling eligibility criteria does not entitle a candidate to be called for the written test/interview. Decision of Institute authorities will be final. Admission is based on GATE / Written test / Interview performance in addition to general eligibility criterion, the applicants must also satisfy the eligibility criteria specified for the respective Departments / Centres / Schools / Interdisciplinary Groups.

12. Candidates, if called for written test/interview should show/ bring with them (i) Photo ID Card, (ii) Printed copy of the application submitted online, (iii) Thesis / dissertation / report / publications (iv) copy of certificates and mark-sheets.

Important Dates for Admission

Starting date for filling Online Application	11th September, 2024
Last date for filling Online Application	30th September, 2024 (5:00PM)
Declaration of shortlisted candidates list	Will be Published on IIT Mandi and Gurugram University website
Shortlisted candidates will be informed by email	

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Contact Details

In case of any query related to the Ph.D. Programme admission process you may contact respective school / Centre, the contact details are:

IIT Mandi

Name of School/Centre	Email ID	Contact No.
School of Biosciences & Bioengineering	sbboffice@iitmandi.ac.in	01905-267061
School of Chemical Sciences	scsoffice@iitmandi.ac.in	01905-267277
School of Civil & Environmental Engineering	scene_admissions@iitmandi.ac.in	01905-267180
School of Computing and Electrical Engineering	sceeoffice@iitmandi.ac.in	01905-267071
School of Humanities & Social Sciences	shssoffice@iitmandi.ac.in	01905-267719
School of Management	somoffice@iitmandi.ac.in	01905-267119
School of Mathematical & Statistical Sciences	smssoffice@iitmandi.ac.in	01905-267929
School of Mechanical and Materials Engineering	smmeadmissions@iitmandi.ac.in	01905-267138
School of Physical Sciences	spsoffice@iitmandi.ac.in	01905-267812
Indian Knowledge System and Mental Health Application (IKSMHA)	iksmha@iitmandi.ac.in	01905-267786
Centre Artificial Intelligence and Robotics (CAIR)	cairoffice@iitmandi.ac.in,	----
Centre for Quantum Science and Technologies (CQST)	arvindthapliyal@iitmandi.ac.in	01905-267899
Centre for Human Computer Interaction (CHCI)	chcioffice@iitmandi.ac.in	01905- 267187

Gurugram University

Name of School/Centre /Department	Email ID	Contact No.
Dept. of Pharmaceutical Sciences	pharmacy@gurugramuniversity.ac.in	9416055522
Dept. of Management	dept.mgmt@gurugramuniversity.ac.in	9810867688
Dept. of Media Studies Dept. of English & Other Foreign Languages	dept.media@gurugramuniversity.ac.in	9871621567
Dept. of Economics	deptofeconomics@gurugramuniversity.ac.in	9416035388
Dept. of Physics	dept.physics@gurugramuniversity.ac.in	9810148929
Dept. of Psychology Dept. of Social Works	dept.psychology@gurugramuniversity.ac.in	8219363880
Dept. of Engineering & Technology	dept.enggandtech@gurugramuniversity.ac.in	9810484802
Dept. of Commerce	dept.comm@gurugramuniversity.ac.in	9728157599
Dept. of Political Science & Public Policy	dept.polsci@gurugramuniversity.ac.in	9999610854
Dept. of Chemistry	dept.chemistry@gurugramuniversity.ac.in	9560020015
Dept. of Physiotherapy	dept.physiotherapy@gurugramuniversity.ac.in	9448343356
Dept. of Mathematics	dept.mathematics@gurugramuniversity.ac.in	9811098211
Dept. of Law	dept.law@gurugramuniversity.ac.in	8901181080
Dept. of Indian Knowledge and Languages	dept.english@gurugramuniversity.ac.in	8802485693
Dept. of Education	dept.pubad@gurugramuniversity.ac.in	9467030980
Dept. Bio-Sciences	abyzkuk@gmail.com	7015362805
Dept. of Environmental Sciences	abyzkuk@gmail.com	7015362805
Dept. of Architecture	drmukesh@gurugramuniversity.ac.in	9812496959

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Academic Structure

Program management

A Doctoral Advisory Committee (DC) shall be set up for each JDP Scholar to support and monitor progress of the JDP Scholar throughout the candidature until the thesis has been submitted. The DC shall consist of the following members.

Chair/Head of the School/Department of the Home Institute or his/her nominee	Chairperson
Supervisor from the Home institute	Member
Supervisor from the Host institute	Member
Co-supervisor (s), if any with justification	Member (s)
Subject Expert from the Home Institution	Member
Additional members may be appointed to meet the requirements	Members

Coursework Requirements

The JDP Scholar shall satisfy the minimum academic coursework requirements of the Home Institution. Additional courses may be taken when recommended by the DC. If a JDP scholar credits a course in one institution, the credits will be automatically transferred to the other institution and will be counted towards the degree requirement.

Joint Degree Program Structure

- Candidates have a **"Home Institution"** where they begin their studies and spend the majority of time. The expectation is that candidates will spend a minimum of 12 months at the other, **"Host Institution"** the timing and duration of this will depend on the program of research but in general will be in the second or third year of the degree. Travel to and study at the Host Institution will be subject to the usual requirements of the institute.

- As a condition of enrolment on the PhD JDP, candidates are required to:
  - Spend a minimum of one year* (two semesters) enrolled at each institution.
    *Candidates registered as part-time PhD or under External Registration program need to spend the minimum residential requirement criteria of both the institute as mentioned in their ordinances and regulations.

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- Undertake a program of progress monitoring and examination that meets the requirements of both institutions.
- Comply with the rules, regulations, policies, codes and procedures of both institutions.
- Write and submit a thesis for defense by oral examination at the home Institution.

- Candidates for the PhD JDP will be enrolled in a PhD program in parallel at both institutions. The supervisory team will comprise academics from both institutions who will provide guidance and support throughout the doctoral program. Candidates will benefit from the research community, networking, and collaborations of the IIT Mandi – GU, Gurugram. Through enrolment at both institutions, candidates will have access to services and support provided at IIT Mandi and GU, Gurugram, including a variety of professional and personal development opportunities for researchers.

- The primary supervisor shall be from the Home Institution. There must be a Joint supervisor from the Host Institution.

- The PhD JDP includes a tailored program of progress monitoring to fulfil the requirements of both institutions. <u>On successful completion of the program requirements, candidates will be awarded a PhD degree jointly by both the Institutions.</u>

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Admissions are currently open under the following research projects

1	**Project Title.** **Development of Artificial e-Skin for Prosthetic Limb Applications**	
	Home Institute: IIT Mandi Supervisor: Prof. Satinder K. Sharma School/Dept.: School of Computing and Electrical Engineering	Host Institute: GU, Gurugram Supervisor: **Dr. Sumit Choudhary** School/Dept.: Department of Engineering and Technology
2	**Project Title.** **Development of Alternate Material Devices on Cost-effective Silicon Substrates**	
	Home Institute: GU, Gurugram Supervisor: Dr. Sumit Choudhary School/Dept.: Department of Engineering and Technology	Host Institute: IIT Mandi Supervisor: Dr. Robin Khosla School/Dept.: Department of Civil Engineering
3	**Project Title.** **Development and Optimization of 2D Materials for Neuromorphic Computing**	
	Home Institute: GU, Gurugram Supervisor: Dr. Sumit Choudhary School/Dept.: Department of Engineering and Technology	Host Institute: IIT Mandi Supervisor: Dr. Ranbir Singh School/Dept.: School of Mechanical and Materials Engineering

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General Qualifications

In the present call, the students for the PhD JDP will be admitted only in the Regular category. An eligible student in this category works full-time and receives assistantship from the Institute.

The candidate should fulfil the minimum eligibility criteria of the Home institution of the respective projects as mentioned in the below link.

> **IIT Mandi :** https://cloud.iitmandi.ac.in/f/ebee554e7294407399ce/

> **Gurugram University:** https://gurugramuniversity.ac.in/academics/ordinances

In addition to general eligibility criterion, the applicants must also satisfy the eligibility criteria specified for the respective Projects/Departments / Centres / Schools / Interdisciplinary Groups. Over and above the general eligibility criteria for admission, candidates need to satisfy additional criteria for financial support / fellowship, as specified under specific admission categories.

The final selection process to Ph.D. JDP programme for any project will be through written test and/or interview.

Application and Admissions

The admissions process will be managed by the IIT Mandi – Gurugram University Joint Admissions Sub-committee (JASC) constituted at the School/Department/Centre level and according to each Institution's admissions procedure. Candidates must meet the admissions requirements of both institutions. The eligibility criteria for enrolling in a joint PhD program will be same as that of a regular PhD program/ERP of the individual institute. The details of the same can be found in the PhD ordinance of the individual institute.

> • IIT Mandi https://www.iitmandi.ac.in/pdf/ordinances/Ordinances_phd_mtech.pdf

> • **Gurugram University** -https://gurugramuniversity.ac.in/academics/ordinances

All applicants will be expected to apply through an online admissions portal.

Fees, Scholarships and Funding

- The JDP Scholar shall pay tuition fees only to their Home Institution throughout the duration of the JDP including the duration of study at the Partner Institution as per its fee structure.

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- Unless otherwise indicated, candidates who wish to be admitted onto the PhD JDP are entitled to receive fellowship meeting the eligibility criteria. The cost of fellowship will be borne by the Home Institute even during the candidate's stay in the Host Institute. No tuition fee will be charged by the host institution. However, the student needs to bear the boarding and lodging charges. Scholarships are awarded based on merit, and the value and conditions of any scholarship awarded will be in accordance with the terms and conditions of the awarding institution.

- Regardless of the scholarship awarded, students on the joint PhD program will be personally responsible for the following expenses unless otherwise advised:

  o Incidental fees and charges at either institution
  o Accommodation and living expenses at either institution
  o All personal expenses and non-compulsory additional fees at the host institution
  o All debts incurred by candidates during their stay at either institution
  o Any other debts incurred by candidates during the Joint PhD Program
  o Further the grants in respect of attending conferences will be provided only by the home institute.

Fees details:

The selected candidate needs to pay the fee only to the Home institution and the details about the fee structure can be found below:

- **IIT Mandi** https://www.iitmandi.ac.in/fees.php
- **Gurugram University** https://gurugramuniversity.ac.in/academics/ordinances

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