

Indian Institute of Technology Jammu

Admission to Joint Doctoral Degree Program for Academic Year 2025-26

Online applications are invited for admission to the Doctor of Philosophy (PhD) programme for the Joint Doctoral Degree Program - IIT Jammu and Shri Mata Vaishno Devi University, Katra (J&K) as per research Proposal mentioned below.

Admissions are currently open under the following research proposals:

1	<p>Intelligent UAV-IRS Networks for Disaster-Resilient Wireless Communications</p>	
	<p>Home Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Ankur Bansal</p> <p>School/Dept.: Department of Electrical Engineering</p>	<p>Host Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Prof. Sumeet Gupta</p> <p>School/Dept.: Department of Electronics and Communication Engineering</p>
2	<p>Edge-AI-Enabled Lightweight Semantic Communication with AoI-Aware Resource Optimization for URLLC in 6G Networks</p>	
	<p>Home Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Ankit Dubey</p> <p>School/Dept.: Electrical Engineering</p>	<p>Host Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Dr. Shashi Bhushan Kotwal</p> <p>School/Dept.: School of Electronics and Communication Engineering</p>
3	<p>Thermal Performance of Buildings Using Passive Cooling Systems</p>	
	<p>Home Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Dr. Sanjeev Anand</p> <p>School/Dept.: School of Energy Management</p>	<p>Host Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Satya Sekhar Bhogilla</p> <p>School/Dept.: Mechanical Engineering</p>

4	<p>Resource Allocation using Machine Learning Techniques for ISAC: Sensing and Communication Performance Enhancement</p> <p>Home Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Dr. Shashi Bhushan Kotwal</p> <p>School/Dept.: School of Electronics and Communication Engineering</p> <p>Host Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Ankit Dubey</p> <p>School/Dept.: Electrical Engineering</p>		
5	<p>Analysis of 3D printed concrete building</p> <p>Home Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Dr. Bharat Bhushan Jindal</p> <p>School/Dept.: School of Civil Engineering</p> <p>Host Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Rajendra Kumar Varma</p> <p>School/Dept.: Civil Engineering</p>		
6	<p>Structural Response Control</p> <p>Home Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Dr. Naqeeb Ul Islam</p> <p>School/Dept.: School of Civil Engineering</p> <p>Host Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Deepak Yadav</p> <p>School/Dept.: Civil Engineering</p>		
7	<p>Temperature-Dependent Luminescence Stability of Rare-Earth Doped Nanofillers in Polymer Nanocomposite Films for High-Temperature Optical Coatings</p> <p>Home Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Dr. Jitendra Sharma</p> <p>School/Dept.: School of Physics</p> <p>Host Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Srinivasan Nedunchezhian</p> <p>School/Dept.: Materials Engineering</p>		
8	<p>Development of 3D Printed Materials for Sliding Wear Applications</p> <p>Home Institute: Shri Mata Vaishno Devi University</p> <p>Supervisor: Dr. Ankush Raina</p> <p>School/Dept.: School of Mechanical Engineering</p> <p>Host Institute: Indian Institute of Technology Jammu</p> <p>Supervisor: Dr. Sahil Kalra</p> <p>School/Dept.: Mechanical Engineering</p>		

Note: a) Candidate applying for any Research area (Home institute/Host Institute) shall be considered for only respective Research area only.
b) No request for change in home/host institute shall be entertained.

1. Joint Degree Program Structure:

- 1) The program offers PhD students the opportunity to enroll in both institutions, enabling them to collaborate on multidisciplinary research projects with faculty members and research teams from IIT Jammu and SMVDU. Students can also benefit from the facilities and professional development opportunities available at both institutions.
- 2) 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. The primary supervisor shall be from the Home Institution, and there must be a joint supervisor from the Host Institution.
- 3) An SRC/DC shall be established for each JDP Scholar to support and monitor their progress throughout the candidature until the thesis has been submitted. The committee shall be constituted in accordance with the rules of the Home Institution, with the supervisor from the Host Institution also serving as a member.
- 4) JDP Scholars shall normally follow the regulations of the Home Institution for monitoring their academic progress.

2. Categories of Admission:

The applicants for admission to the Ph.D. programme shall be classified under the following category:

Institute Research student/candidate(Full Time)

3. Application and Admissions:

The admission process shall be managed by the IIT Jammu and SMVDU Katra Joint Admission and Selection Committee (JASC), constituted at the School/Department/Centre level, and conducted in accordance with the admissions procedures of each institution. Candidates must satisfy the admission requirements of both institutions. The eligibility criteria for enrollment in the Joint PhD Program shall be the same as those applicable to the regular PhD program of each individual institute.

Detailed information can be found in the PhD ordinance of the respective institute.

IIT Jammu: <https://iitjammu.ac.in/academics-rules-and-regulations>

Eligibility Criteria Regular (Full-time) (IIT Jammu as Home Institute):

Applicants with the following qualifications shall be eligible for application to a full time PhD program at the Institute.

1. A Master's degree in Engineering/Technology or a Master's degree by Research in Engineering /Technology along with a good academic record.

or
2. Master's degree in Science (with a good academic record) and a valid GATE / UGC-CSIR NET (JRF or LS) /GPAT/ NBHM/ ICMR (JS) / ICAR (JS) or equivalent qualification in the relevant area tenable for the year of registration.

or
3. Candidates with a Bachelor's degree in Engineering/Technology with an exceptional academic record and a valid GATE score in the eligible discipline/paper code.
4. Exemption for GATE under schemes as agreed by IIT Council for students of NITs/IITs/ IIITs/ IISERs/ IISc may be acceptable. The Candidate should have a minimum of 8.0 CGPA during B.Tech program from these institutes.
5. UGC-CSIR NET Lectureship (LS) can be used as selection criteria if candidate qualifies interview cum selection process at the department level and Institute fellowship can be granted to such candidates.

Eligibility Criteria Regular (Full-time) (SMVDU as Home Institute):

Applicants with the following qualifications shall be eligible for application to a full time PhD program at the Institute

1. 1 year/2- semesters master's degree program after a 4 year/ 8 semester bachelor's degree programme or a 2-year/4 semester master's degree programme after a 3 year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed

Or

2. Equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.

Or

3. A 4-year/8-semester degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed.

Or

4. Candidates who have completed the M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme
5. Candidates who have qualified UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/SLET/GATE/similar National level tests/ DST-Inspire fellowship/ any other National Level Fellowships or have passed M.Phil. programme will be exempted from appearing for the written test.
6. Candidates applying for admission to Ph.D. programme on full-time basis having UGC/CSIR-NET/GATE/SLET/Any other national level test are eligible for the University Assistantship

SMVDU Katra: <https://smvdu.ac.in/wp-content/uploads/2025/04/Amended-Ph.-D.-Ordinances-of-SMVDU-dated-11.04.2025.pdf>

4. Application Fee:

Application Fee per department (non-refundable): Rs.300/- for General/Gen-EWS/OBC-NCL category and Rs.200/- for SC/ST/PwD category candidates. The candidates can deposit the requisite application fee by using net banking or debit/credit card facilities. Additional charges will be applicable as per the rule of the concerned bank. The Fee will not be accepted through any other mode.

5. Reservation:

The relaxation in admissions for SC, ST, OBC-NCL, EWS categories and for Persons with

Disability (PWD) will be as per Government of India rules.

6. Application Procedure:

For admission to Ph.D. programmes, candidates need to register and fill the application ONLINE only by accessing the website: sarl.iitjammu.ac.in/phdapplication

7. Course Fee Structure

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 itsfee structure.

IIT Jammu fee structure can be checked <https://iitjammu.ac.in/fee-structure>

SMVDU fee structure can be checked <https://smvdu.ac.in/research/ph-d-notifications/>

8. Time Lines:

- (a) Start date of the application: 29 December, 2025.
- (b) End date of the application: 10 January, 2026.

9. Other Important Instructions:

The candidates are advised to read below mentioned instructions carefully before applying:

- (a) Candidates are requested to apply online only. The hard copy of the application need not be submitted. The application in any other mode/form will not be accepted.
- (b) The prescribed qualifications and experience are the minimum required and the mere fact that a candidate possesses the same will not entitle him/her for being called for a written/interview.
- (c) Departments/Centers of the Institute reserve the right to restrict the number of candidates to be called for interview to a reasonable number, based on qualifications and/or experience.. A higher shortlisting criteria may be used by the departments in this regard.
- (d) All entries should be carefully made while applying online. IIT Jammu will not be responsible for the wrong entries. Candidates shall be solely responsible for the correctness and authenticity of the information/documents provided in the online application.

- (e) Online application submitted by the candidates shall be considered final and binding. Requests for making corrections in the online application shall not be entertained.
- (f) Online application found incomplete in any form will be summarily rejected. No correspondence/communication will be entertained in this regard.
- (g) Online applications will be scrutinized, relevant documents checked/verified for their authenticity.
- (h) Admitted students shall be governed by ordinance/ regulations of IIT Jammu and Partner institute in vogue.
- (i) The Institute has the right to cancel, at any stage, the admission for the candidate who is found admitted to a course to which he/she is not entitled, being unqualified or ineligible in accordance with the statutes and regulations in force.
- (j) The Institute reserves the right to verify the antecedents or documents submitted by the candidate at any time during their period of study. In case it is found that the documents submitted by the candidate are not genuine, then his/her admission shall be terminated.
- (k) Merely applying for / being shortlisted/appearing for the interview / written test / or subsequent processes does not imply that a candidate will necessarily be admitted in IIT Jammu. No request for considering the candidature in the department, other than in which applied through online mode, will be entertained.
- (l) Candidates are advised to fill their correct and active e-mail addresses in the online application as all correspondence will be made by the Institute through e-mail. Test/interview schedule will be emailed in due course to the candidates in their registered e-mail. Further, for any updates, please visit the Institute website regularly for subsequent amendments in the advertisement and results.
- (m) The candidates should ensure that they fulfill all the eligibility conditions as specified. Their admission will be purely provisional subject to confirmation that they satisfy the prescribed eligibility conditions in the shortlisting and selection criteria. Mere issue of call letters to the candidates will not imply that his/her candidature has been found eligible.
- (n) Candidates belonging to **OBC-NCL/EWS/SC/ST/DAP** should have appropriate category

certificates issued by the central government only; in the case of OBC category, the benefit of reservation only be available to OBC-NCL only.

- (o) The candidates claiming for **OBC-NCL** reservation should obtain the **OBC (Non-Creamy Layer)** certificate issued in the latest Financial Year in the prescribed format (Govt. of India) and upload the same in the ONLINE application or else they will be admitted as general students.
- (p) The candidates claiming for **EWS reservation** should obtain the Income & Assets certificate issued in the latest Financial Year in the prescribed format (Govt. of India) and upload the same in the ONLINE application.
- (q) After joining, Hostel and Mess facilities may be provided as per the availability and respective institute rules.
- (r) No scholarship will be provided to the students until all the required documents along with the final qualifying degree certificates are submitted physically and verified.

Contact Details: For any query or information, applicant can write us on pgoffice.acad@iitjammu.ac.in or contact 0191-257633.