



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
PIN – 173234 (INDIA) Phone Number- +91-1792-257999
(Established by H.P. State Legislature vide Act No. 14 of 2002)



JUIT AT A GLANCE:

Jaypee University of Information Technology, Wagnaghat was established as the first State Private University of Himachal Pradesh vide Extraordinary Gazette Notification in May 2002.

JUIT offers PhD degree programmes in Biotechnology, Bioinformatics, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mathematics, Physics & Materials Science and Humanities & Social Science. JUIT Wagnaghat provides a learner-centric academic environment to its students. It aims to instil in students the capability to deploy appropriate technology paradigms for given tasks, explore new technologies and lead teams to solve complex problems.

The University is spread over 25 acres of lush green pollution free environment with a built-up area of 74372.56 sq.m. comprising the Academic Block (with lecture theatres, classrooms, tutorial rooms, laboratories, administrative and faculty offices and the library), Hostel residences for boys and girls, faculty residences, guest house, Annapoorna (Mess), auditorium, sports facilities, 5 Gyms, bank with ATM, dispensary, helipad, university bus, laundry and other associated services. At present, boys' and girls' hostels can accommodate upto 1800 students. The hostel for girls is separate. The campus is fully wifi, with 24x7 electric supply and power back up. NCC is available for volunteer students. The medium of instruction in JUIT is English.

OVERVIEW OF DEPARTMENTS:

a) **BIOTECHNOLOGY (BT) & BIOINFORMATICS (BI):** Recent developments in biological sciences have created a niche for “Bioeconomy” through research and innovation complemented by physical, chemical, engineering and information technologies driving economic activity and public benefit. Department of Biotechnology & Bioinformatics is one of the leading departments of JUIT among education institutions in the country with a mission to develop professionals with leadership quality in technology, creativity, innovation, and entrepreneurship. Our mission is to achieve this through best practical approaches in teaching and research. The department is known for its quality education in the area of Biotechnology and Bioinformatics due to its strong R&D program, up-to-date educational curricula, laboratory infrastructure, qualified faculty, granted patents, and placements of graduates in various leading companies in India and abroad. The department strives to harness human capital for sustainable competitive edge in the field of Biotechnology and Bioinformatics.

[For more information about Department click here](#)

b) **CIVIL ENGINEERING (CE):** The Department provides vibrant educational environment to the students to achieve BTech degree in Civil Engineering. The curriculum emphasizes on the current demands of the Infrastructural needs of the country with focus on Structural Engineering, Construction Management, Environmental Engineering, Surveying, Geo-technical Engineering and Transportation/Highway Engineering. Apart from Classroom learning, emphasis is given to perform experiments in Laboratories, Project Work and Industrial Visits.

[For more information about Department click here](#)

c) COMPUTER SCIENCE & ENGINEERING / INFORMATION TECHNOLOGY (CSE/IT):

At the undergraduate level, the Department lays emphasis on theoretical and practical aspects of Object-Oriented Programming, Software Engineering, Computer Organization & Architecture, Database Management, Operating Systems, Theory of Computation, Compiler Design, Computer Graphics, Computer Networks and Microprocessors and Microcontrollers. The Department provides exposure to emerging technologies as well as futuristic technologies like Nanotechnology, Quantum Computing, Bioinformatics, Genetic Algorithms and Parallel Programming. The Department pursues active research groups in several research frontiers of Computer Science & Engineering like Ubiquitous Computing, Algorithms and Parallel Computing, Computational and Machine Intelligence, Computer Systems and Networks, Databases and Distributed Systems, Software Engineering and Information Systems and Systems and Network Security. Some of the active areas of research include Machine Translation, Image Processing, Machine Learning, Natural Language and Speech Processing, Big Data Analytics, Internet of Things, Pervasive Computing, Human Computer Interaction, Parallel, Distributed and Grid Computing Algorithms, Probabilistic Graphical Models, Deep Learning, Reinforcement Learning, Mobile Computing, Wireless Sensor Networks, Software Defined Networking, Service Oriented Architecture and Software Agents, Cryptography and Network Security and Cyber Laws

[For more information about Department click here](#)

d) ELECTRONICS & COMMUNICATION ENGINEERING (ECE): Electronics &

Communication Engineering (ECE) is designed to induce in students the ability to bring technological excellence using Innovation. At the core of the stream lie Digital Signal and Image Processing, VLSI and Microelectronics, Data Communication Networks, Microwave and Antenna, Embedded Systems, Internet of Things and its applications. ECE is a multi-dimensional branch and ECE engineers are highly in demand in most of the Public sectors (PSU's) like Indian oil cop. Ltd., BHEL, BEL, GAIL, DRDO, ISRO, NTPC, HAL, BSNL, MTNL, Indian Railway etc. as well as in private companies such as ST Microelectronics, Samsung, IBM, Intel, Qualcomm, Cisco, Juniper, Nokia, British Telecom, Sony, National Instruments, Rockwell Automation and Texas instruments etc. B.Tech. in Electronics and Computer Science (ECS) is introduced with an increasing demand for engineers with good programming skills, proficiency in new industrial developments and use of the latest technologies such as Artificial Intelligence, Machine Learning, Data Science, Internet of Things, Cloud, Edge, Fog computing and Robotics. As the demand for programming-based courses is on an increase, major courses from Electronics & Communication Engineering (ECE), as well as Computer Science Engineering (CSE), are included. ECS graduates will be strong in both hardware and software knowledge. A plethora of job opportunities will be offered to ECS graduates by major companies of ECE and CSE such as Mitsubishi, Nvidia, LinkedIn, Oracle, Infosys, TCS, Wipro, Deloitte, Accenture, Microsoft, Adobe, Google, Cisco to name a few. B.Tech. in Electronics Engineering (VLSI Design & Technology) is initiated in alignment with the semiconductor policy of the Government of India under India Semiconductor Mission (ISM), Govt. of India. The Govt. is encouraging the semiconductor companies to set up foundries and plants in India and foresees a requirement of trained manpower in the semiconductor Technologies, VLSI Design and allied areas. Through this program we aim to train and equip our undergraduate students with theoretical and practical knowledge and experience to make them ready to be able to contribute to the semiconductor industry ecosystem here in India. Major VLSI companies in India are Intel India, NXP Semiconductors, Qualcomm India, Texas Instruments in India, Synopsys India, STMicroelectronics India, ARM India, Analog Devices India, Broadcom India. The course

curriculum is aligned with and is guided by the model curriculum provided by the AICTE, while retaining the flexibility to update as per the changing industry requirements.

[For more information about Department click here](#)

- e) **MATHEMATICS (MATHS):** Ph.D. in Mathematics in India is a testament to one's dedication, intellectual prowess, and commitment to advancing the frontiers of knowledge in this profound field. The Department of Mathematics, Jaypee University of Information Technology (JUIT) is a dedicated and research-oriented department where aspiring mathematicians can embark on this challenging and rewarding academic journey. The pursuit of a Ph.D. in Mathematics at JUIT offers a unique blend of tradition and innovation. India has a rich history in mathematics dating back to ancient times, with luminaries like Aryabhatta and Ramanujan contributing significantly to the field. Today, JUIT upholds this legacy by fostering a nurturing environment for mathematical research. Doctoral candidates at JUIT benefit from a rigorous curriculum, state-of-the-art research facilities, and the mentorship of accomplished faculty members who are actively engaged in cutting-edge research. The program encourages independent thinking, problem-solving, and original contributions to the mathematical community. The academic program leading to the degree involves fulfilling course credit requirements, residential requirements and a thesis giving a critical account of the research carried out in any of the following areas: Applied group theoretic techniques, Discrete symmetries, Mathematical modeling and simulation, non-linear partial differential equations, Linear Algebra, Numerical Methods, Operations Research, Differential Geometry, Multivariable Calculus, Wave propagation, Wavelets and differential equations, Wavelets in image processing, Algebraic Coding Theory, Sequence Design, Distributed Source Coding, Fuzzy Information Measures, Decision Making, Pattern Recognition.

[For more information about Department click here](#)

- f) **PHYSICS & MATERIALS SCIENCE (PMS):** The Department of Physics and Materials Science (PMS), JUIT Waknaghat, offers a PhD program in experimental and theoretical physics, material sciences, and allied areas. Financial assistance of Rs 37000/- pm will be provided to students as per merit. The department has well-equipped research laboratories with state-of-the-art equipment. The PhD program at JUIT provides a strong background for developing a professional career in academics and industries. PhD program is supported by regularly organized seminars, expert talks, and the opportunity to interact with many experts from India/abroad bestowing a dynamic ambiance and an excellent learning environment. The Dept of PMS has got a strong alumna connection and our alumni have established their names in their profession. The details of the research of the department, research scholars, and its alumni can be accessed on the web link: <https://www.juit.ac.in/phd-pms>.

[For more information about Department click here](#)

- g) **HUMANITIES & SOCIAL SCIENCES (HSS):** The Department of Humanities and Social Sciences at JUIT offers PhD program in the area of Humanities and Management like Literature in English, Economics, Political Science, Finance, Marketing, Internet Marketing, Human Resource, Emotional Intelligence, Consumer Behaviour, Economic Development, International Business, E-Governance & CSR, and Industrial Relations etc. The PhD program at the department strongly emphasizes on the research and is structured to help students develop competence in their fields of specialization. The student works closely

with their supervisor, who is the subject expert in their respective fields, to further develop their competencies so that they can solve the complex social and business problems. The program focuses on the application of theory to real world challenges where students are expected to go through a transformative learning process that enhances their research skills. The students are expected to complete one year of course work, publish their research work in reputed indexed journals and present their work in national and international conferences. The students are also encouraged to participate in different research workshops to sharpen their written and analytical skills.

[For more information about Department click here](#)

ELIGIBILITY CRITERIA AND SELECTION FOR PHD PROGRAMMES:

The following is the eligibility criteria for admission to PhD Programmes at JUIT Waknaghat.

PhD Degree	Eligibility Criteria
PhD - Biotechnology PhD – Bioinformatics PhD – Civil Engineering PhD – Computer Science & Engineering PhD – Electronics & Communication Engg. PhD – Mathematics PhD – Physics & Materials Science PhD - Humanities & Social Sciences	(i) A 1-year / 2-semester (or 2-year / 4-semester) Master's Degree Programme, with at least 60% marks in aggregate or CGPA not less than 06 on a scale of 10 after a 4-year / 8-semester Bachelor's Degree Programme OR (ii) A 2-year / 4-semester Master's Degree Programme, with at least 60% marks in aggregate or CGPA not less than 06 on a scale of 10 after a 3-year Bachelor's Degree Programme OR (iii) Qualifications declared equivalent to the Master's Degree by the corresponding statutory regulatory body, with at least 60% marks in aggregate or CGPA not less than 06 on a scale of 10. OR (iv) 4-year / 8-semester Bachelor's Degree Programme with 75% aggregate marks or CGPA not less than 7.5 on a scale of 10. Consistently good academic record / performance.

- (i) Admission shall be based on PGET Written Test followed by personal interview.
- (ii) Candidates who have qualified the Entrance test will only be allowed for the personal interview.
- (iii) NET/SLET/UGC/CSIR(JRF) or equivalent national level examination qualified candidates are exempted from the PGET written test. However, they have to appear for the personal interview.
- (iv) Each eligible candidate will have to give a short presentation before the interview committee on the topic / area of research interest.

While filling the application form applicant must mention the details sought in item No. 10 of the application form.

Provisional Admission: Students who are in the final year are eligible to apply for admission in PhD Program. The admission is subject to successful completion of qualifying examination, meeting the minimum eligibility criteria. (Candidate need to submit the qualifying examination result before 30th September 2025, falling which admission stands cancelled.)

WRITTEN EXAMINATION PROCEDURE:

- (i) **Weightage:** 50% component from Section A: Research Methodology and 50% subject specific component from Section B.
- (ii) **Number of Questions:** 60 Questions (30 questions from Research Methodology and 30 Questions from subject specific)
- (iii) **Marking:** (15 Questions of 01 Mark each and 15 Questions of 02 Marks each from both the components i.e. Research Methodology and specific subject)
- (iv) **Duration:** 90 minutes
- (v) **Full Marks:** 90 Marks to be normalized to 70 marks.
- (vi) **Qualifying Marks:** 50% (45 Marks out of 90 Marks)
- (vii) The syllabi for each program/ specialization are available on the University on the web site.

Personal Interview shall be conducted only for the candidates who have qualified the written entrance examination. 30 Marks weightage is assigned for personal interview.]

NUMBER OF SEATS:

As per availability of Supervisor and Research area of the candidate.

RESERVATIONS: Reservation as per provisions of Gol.

FELLOWSHIP:

Fellowship Amount: Rs. 37000/- per month

Duration: 12 months in an Academic Year (Maximum 03 years of duration)

Eligibility: Full-Time Research Scholars will be provided fellowship on pro-rata basis considering actual attendance during the month.

Recovery of Fellowship: In case a Research Scholar leaves PhD programme before completion without a genuine reason, he/she will have to refund the total amount of Fellowship paid to him/her. However, the genuineness of the case shall be viewed by the Dean's Committee & its recommendations to be duly vetted and approved by the VC."

HOW TO APPLY:

- Log on to <http://www.juit.ac.in/juit-admissions> and click on – PhD Programmes - 2025.
- Thereafter, candidate will be prompted to fill up the application and make the payment through Credit / Debit Card / Net banking / UPI. Alternatively, you can pay application fees through DD of Rs. 1000/- favouring "Jaypee University of Information Technology" payable at Shimla. Write the application ID No. behind the DD to enable us to link your payment.

- Once the payment has been successfully made, the candidate shall be allotted an Application ID number, which must be saved for future reference. The candidate shall also get an E-Mail of confirmation.
- There is an option of attaching / uploading the photograph, signature of candidate and parents on the online application itself.
- Candidate whose result of qualifying examination is awaited may also apply for the program. However, they have to update their qualifying examination result on declaration OR by allowable date of result update as specified in supplementary Admission Brochure, so as to be eligible for counselling.
- You should make a photocopy of the application form and retain it for your record.
- Candidates who have procured the brochure and application form from university counter after payment of Rs. 1000/-, are not required to make any further payment while submitting the application form
- It is mandatory to enter the marks sought in the application form at item no. 10. Any applications received without marks of the qualifying examination shall be rejected and candidate shall have no claim for the Merit lists.

APPLICATION FORM:

The students may fill / obtain the application forms in any of the following ways.

- a) Apply online and make payment using net banking /credit/debit card/UPI on website <http://www.juit.ac.in> / <https://www.juit.ac.in/juit-admissions>
- b) Apply online on website <http://www.juit.ac.in> / <https://www.juit.ac.in/juit-admissions> and make payment through bank draft.
- c) Obtain application form and brochure on payment of Rs. 1000/- or by sending a demand draft of Rs. 1000/- to JUIT Wagnaghat in favour of Jaypee University of Information Technology, Wagnaghat, payable at Shimla to the following address:

The Registrar
Jaypee University of Information Technology
Wagnaghat, Teh. Kandaghat, Dist Solan HP, India
PIN 173234

SENDING OF HARD COPY OF APPLICATION FORM, IF APPLIED IN OFFLINE MODE OR FEE PAID THROUGH DEMAND DRAFT

The completed Application Form –whether purchased or print out of the offline application must be sent to JUIT Wagnaghat by **due last date** mentioned at the link http://www.juit.ac.in/admissions_all/ImportantDates.pdf at the following address:

The Registrar
(PhD Admission - 2025)
Jaypee University of Information Technology
Wagnaghat, Teh. Kandaghat, Dist Solan HP, India
PIN 173234

Candidates are required to ensure that the hard copy of the offline completed application OR application with Demand Draft (if not paid through online) is received at the university on or before last date as stipulated in the Admission Brochure / Website under important dates.

Note: Candidates who have submitted the form online and paid the application fee online through Net Banking / Credit / Debit Card / UPI need not to send hard copy of the application form. However, they must retain copy of the application form for their future reference.

FEE STRUCTURE

Please note that the fee for the students being admitted for Academic Session 2025-26 is as follows:

Particulars	Amount (INR)
Tuition Fee for academic year 2025-26	Rs. 31650/- per semester
Hostel Charges*	Rs. 80000/- per semester
Caution Money (One time & Refundable)	Rs. 20000/-
Admission Charges (One time & Non-Refundable)	NIL

* Optional and if allotted. Limited Hostel seats are available. For Single room occupancy Rs. 7500/- per Semester additional.

The hostel charges are subject to revision as and when deemed fit by the management considering hike in the prices of commodities.

IMPORTANT TO NOTE BEFORE SUBMISSION OF APPLICATION FORM

- * Candidates who procure the brochure and application form from university counter after payment of Rs. 1000/-, are not required to make any further payment while submitting the application form.
- * It is mandatory to enter the marks of the subjects sought in the application format item no. 10. Any applications received without marks of the 10+2 Examination subjects shall be rejected and candidate shall have no claim for the Merit lists and subsequent admission to the program.