JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Approved by UGC u/s 2(f) of UGC Act 1956)

P.O. Waknaghat, Teh. Kandaghat, Distt. Solan, Himachal Pradesh-173 234

ADMISSION PROCESS FOR B.TECH. PROGRAMME
Academic Session: 2024-25

1. JUIT AT A GLANCE:

Jaypee University of Information Technology, Waknaghat was established as the first State Private University of Himachal Pradesh vide Extraordinary Gazette Notification in May 2002. It offers undergraduate B.Tech. degree programs in Biotechnology, Bioinformatics, Civil Engineering, Civil Engineering with Computer Application, Computer Science & Engineering, Computer Science & Engineering with specialization in Artificial Intelligence and Machine Learning (AI&ML)/ Artificial Intelligence and Data Science (AI&DS)/Cyber /UX-UI Design /Business System / Full Stack Software Development, Electronics & Communication Engineering, Electronics & Computer Science, Electronics Engineering (VLSI Design & Technology) and Information Technology. JUIT Waknaghat 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.

2. OVERVIEW OF DEPARTMENTS

a) **BIOTECHNOLOGY (BT) & BIOINFORMATICS (BI):** Current developments in biological sciences have created a niche for "Bioeconomy" through research and innovation in biological sciences complemented by physical, chemical, engineering and information technologies to create economic activity and public benefit. Department of Biotechnology & Bioinformatics is one of the leading departments of JUIT among private education institutions in the country with a mission of crafting of Biotechnology and Bioinformatics professionals with leadership quality in technology, creativity, innovation, and entrepreneurship. This mission is to achieve through best practical approaches in teaching and research. The department is known for its quality education in area of Biotechnology and Bioinformatics due to its strong R&D program, up-to-date educational curricula, modern laboratory infrastructure, highly qualified faculty, IPR & 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) AND CIVIL ENGINEERING WITH COMPUTER APPLICATION (CEC):** The Department provides a vibrant educational environment to the students in the competitive field of Civil Engineering keeping in view the emerging infrastructural needs of the country as well as the emphasis on IT-enabled Civil Engineering profession. The Undergraduate curriculum of Civil Engineering (CE) and Civil Engineering with Computer Application (CEC) at JUIT Waknaghat have been developed to meet the latest requirements of the infrastructural development of our country which emphasizes the basic, advance and software orientated 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 preparation for various Competitive exams like GATE, ESE and other State Govt. Exams. Students are exposed to construction industry environment during the practical training in reputed construction companies including Jaypee Group,Larsen & Toubro, NHAI, CBRI, AIMIL, Tata Projects, S.P. Singla, GRIL, JMC, and H.G. Infra. Training on software like STAAD Pro, MATLAB, Auto-CAD, REVIT, MS-Project, Primavera, OpenSees, Geo5, ABAQUS, Plaxis 2D and 3D enhances employability of students in the field of Conventional Civil Engineering and the evolving software based Civil Engineering. The Department also has ample presence in consultancy projects in nearby areas due to its best-in-class laboratories. Additionally, the department pursues active research groups in several research thrust areas of Civil Engineering like Ground Improvement, Slope Stability, Construction Materials, Municipal Solid Waste Management and Sustainable Highway materials. The department aims at providing state-of-the-art skills and knowledge in multi-disciplinary and multi-domain operations to the students preparing them as leaders and highly sought after professionals in the world of Civil Engineering and Computer oriented Civil Engineering.
For more information about Department click here

c) **COMPUTER SCIENCE & ENGINEERING (CSE), COMPUTER SCIENCE & ENGINEERING WITH SPECIALIZATION IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AI&ML)/ ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (AI&DS)/UX-UI DESIGN /BUSINESS SYSTEM / FULL STACK SOFTWARE DEVELOPMENT AND INFORMATION TECHNOLOGY (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 & COMPUTER SCIENCE (ECS) AND ELECTRONICS ENGINEERING (VLSI DESIGN & TECHNOLOGY):** B.Tech. in 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 GoI 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

3. **ELIGIBILITY CRITERIA AND SELECTION FOR B.TECH. PROGRAMMES:**
   The application form is for admission to B.Tech. Programmes at JUIT Waknaghat only. These admissions will take place independent of JEE based counselling/admission.

BTech Degree	Eligibility Criteria
- Bioinformatics (BI) - Biotechnology (BT) - Civil Engineering (CE) - Civil Engineering with Computer Application (CEC) - Computer Science & Engineering (CSE) - Computer Science & Engineering with specialization in AI-ML/ AI-DS / Cyber Security / UX-UI Design / Business System / Full Stack Software Development - Electronics & Communication Engineering (ECE) - Electronics & Computer Science (ECS) - Electronics Engineering (VLSI Design & Technology) - Information Technology (IT)	- Candidates who have passed qualifying examination in the year 2022, 2023 or appearing / passed in 2024. - Student must pass in 10+2 examination from recognized State/ CBSE/ ISC board with minimum 60% aggregate marks.

Admission is on the basis of merit. Merit will be drawn on percentage of marks of Physics and Mathematics as a compulsory subject and one other subject having higher score out of Chemistry, Computer Science, Information Technology, Biology, Informatics Practices, Biotechnology, Technical Vocational Subjects, Electronics, Entrepreneurship, Engineering Graphics, Business Studies and English.

While filling the application form applicant must mention the details sought in item No. 10 and 11 of the application form.

4. NUMBER OF SEATS:

Total number of seats for 2024-25 admissions are 660. However, 50% seats (out of 660) are available for direct admission on the **MERIT BASIS OF 10+2 EXAM**.

Candidates seeking admission to BTech programmes offered by JUIT must meet the eligibility criteria listed above. Candidates must note that eligibility criteria may slightly differ depending on the BTech programme opted by them. Therefore, it is a must for candidate to go through the programme-specific eligibility criteria carefully before proceeding towards filling the application form.

5. RESERVATIONS:-

- Reservation as per provision of GoI.
- Kashmiri migrants/Kashmiri Hindu families, living in Kashmir valley as per provision of MHRD
- Supernumerary seats for candidates who have been issued with PM cares for children scheme certificate 2021.
- 10 percent seats are reserved for candidates of H.P (who have appeared for 12th Examination from School in the State of H.P)
- 10 percent seats are reserved for wards of serving/retired ex-servicemen and Paramilitary Forces personnel.

6. 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. 1200/- or by sending a demand draft of Rs. 1200/- to JUIT Waknaghat in favour of Jaypee University of Information Technology, Waknaghat, payable at Shimla to the following address:-

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

7. HOW TO APPLY:

- Log on to http://www.juit.ac.in/juit-admissions and click on – 10+2 Marks Merit Based Admissions 2024.
- 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. 1200/- 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 10+2 examination is awaited may also apply for the program. However, they have to update their 10+2 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. 1200/-, 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 form at item no. 10 and 11. Any applications received without marks of the 10+2 Examination subjects shall be rejected and Candidate shall have no claim for the Merit lists.

8. 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 Waknaghat by **due last date** mentioned at the link http://www.juit.ac.in/admissions_all/ImportantDates.pdf at the following address:-

The Registrar
(10+2 Merit Based Admission - 2024)
Jaypee University of Information Technology
Waknaghat, 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.

9. FEE STRUCTURE
Please note that the fee for the students being admitted for Academic Session 2024-25 is as follows:-

Particulars	Amount (INR)
Tuition Fee for academic year 2024-25 – General Category	Rs. 149250/- per sem
Tuition Fee for academic year 2024-25 – Ward of Defense and PMF (30 % rebate)	Rs. 104475/- per sem
Tuition Fee for academic year 2024-25 – Ward of war widow and PWD (35 % rebate)	Rs. 97013/- per sem
Hostel Charges*	Rs. 80000/- per sem
Caution Money (One time & Refundable)	Rs. 20000/-
Admission Charges (One time & Non Refundable)	Rs. 25000/-

*Optional and if allotted. Limited hostel seats are available. For Single room occupancy Rs. 7500/- per semester Extra.

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

For queries, write to: admission2024@juitsolan.in OR Call +91-7807868600 / 500 / 7807846021 / 047 / 048 / 049 / 050 / 064