

## **GATE / PGET-Based Admissions-2022**

### **M. Tech. Programs**

Jaypee University of Information Technology (JUIT), Wagnaghat offers two years programs leading to the award of the Masters Degree in Technology, (M.Tech). The M.Tech programs attract the best student talent for higher studies with an aim that students can learn to interact with the professional world. M.Tech programs are available in various specializations. Department of Biotechnology and Bioinformatics offers M.Tech program in Biotechnology, M. Tech in Biotechnology with specializations Industrial Biotechnology and M. Tech in Biotechnology with specializations Medical Biotechnology. Department of Civil Engineering offers M.Tech programs Civil Engineering with specializations in Construction Management, Environmental Engineering and Structural Engineering. Department of Computer Science & Engineering and Information Technology offers M. Tech in Computer Science and Engineering, M Tech in Computer Science and Engineering with specialization in Information Security and Computer Science and Engineering with specialization in Data Science. Department of Electronics and Communication Engineering offers M.Tech program in Electronics & Communication Engineering, Electronics and Communication Engineering with specialization in Internet of Things.

The M. Tech. programs include compulsory core courses, elective courses and intensive dissertation in the respective area of specialization. Through compulsory core courses the students acquire a state-of-the-art advanced knowledge in a chosen M. Tech program. The elective courses provide an opportunity to further specialize in the field depending on his/her interest and future career plans. For dissertation, students are required to take up problems on a particular topic in the field to focus their study and work. They are required to submit a dissertation/ report at the end of the dissertation. M. Tech. dissertation usually enables students to publish their results. Seminars are also part of the M. Tech curriculum for which students collect material on specific current topics and make presentations.

**Post-graduate programs of study to be offered during academic session 2022-23 are as given below**

#### **M. Tech in Biotechnology**

The M. Tech in Biotechnology program is designed to offer courses covering diverse and extensive aspects of Biotechnology and Life Sciences with strong emphasis on research. It encompasses streams such as Metabolic Engineering, Bioprocess Engineering, Molecular Biology of Infectious Diseases, Microbial Technology, Industrial Enzymes and Protein Engineering; Plant Cell Culture Technologies, Bioremediation, Food Technology & Probiotics, Biosynthetic Pathway Discovery and Gene Function, Genomic, Proteomic and Metabolomic Technologies, etc. Curriculum is enriched to help students to fulfill their research aspirations and current industrial demands. Working along with a blend of Ph.D. scholars and research fellows involved in intense research enhances the quality of research experience for M.Tech. students.

**[For more information about department click here](#)**

### **M. Tech in Civil Engineering (Specialization: Construction Management)**

The program is focussed at learning Project Planning, Schedule and Cost Assessment and preparation of Detailed Project Report (DPR) for major projects. The course aims at learning the regulatory, insurance, management, safety, planning tools, estimating and environmental aspects of construction management necessary for overall planning and control of a project. The program is endeavoured to make the student achieve the leadership skills to lead construction projects.

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

### **M. Tech in Civil Engineering (Specialization: Environmental Engineering)**

The interdisciplinary program is aimed at imparting advanced level education in Environmental Science and Engineering, for Analyzing and Controlling Environmental Pollution, Control Technologies, Management Practices and Sustainable Development. The course offers a wide variety of electives in areas like Clean Technologies, Membrane Separation Processes, Resource Conservation, Water Quality Management and Solid Waste Management.

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

### **M.Tech in Civil Engineering (Specialization: Structural Engineering)**

The program relates to imparting in-depth knowledge in Structural Analysis and Design of Tall Buildings, Pre-Stressed and Composite Structures and Blast Resistant Design of Structures through advanced level of learning in addition to training on structural software. The program offers wide variety of core courses in Structural Engineering such as Finite Element Method, Structural Dynamics, Numerical Methods, Advanced Structural Analysis, Advanced RCC Design and Advanced Steel Design.

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

### **M. Tech in Computer Science and Engineering**

This program is actively running since 2006. The Department has 17 faculty with Ph Ds from very reputed institutions. The Post Graduates of the department are well placed in leading research laboratories, industries and universities of national and international repute. The program provides advanced level education and research exposure in various areas of computing, and features subjects like Advanced Data Structures, Advanced Computer Networks, Advanced Database Systems, Advanced Software Engineering, Advanced Operating Systems, Advanced Algorithms, High Performance Computer Architecture, Multimedia Systems, Performance Evaluation of Networks, Parallel and Distributed computing and Advanced Computational Techniques in Engineering.

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

### **M. Tech in Computer Science and Engineering (Information Security)**

Information Security aims to train students to become information security professionals for the high-end jobs in the security industry. The objective of this programme is to create security professionals who will be handling the real-life problems and challenges the industry is facing today in connection to cyber security. The unique design of the programme focuses on providing a high

degree of industry exposure, academic and functional experts from the industry in this domain. This programme offers a brilliant career pathway to those who are passionate about knowing more about security challenges and solutions as well as practising security analytics, cybersecurity, and related tools and technologies. Job Openings for cybersecurity are also increasing by 200% each year in India.

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

### **M. Tech in Computer Science and Engineering (Data Science)**

Data Science is one of the most happening fields in business today, creating a higher number of career opportunities. Data Scientists are in high demand around the globe almost in all existing verticals i.e. Education, Manufacturing, Healthcare, Agriculture, etc. The course has inclusive realms, namely Statistics, Machine Learning/ Programming/Data Skills, Business Domain knowledge; covering all the mains of the Data Science helps you to achieve a solid grip over it. One of the major objectives of this course is to provide an in-depth understanding of data structure and data manipulation, and understanding of various supervised and unsupervised learning models such as linear regression, logistic regression, clustering, dimensionality reduction, K-NN, and pipeline.

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

### **M. Tech in Electronics and Communication Engineering.**

The objective of M.Tech. in ECE course is to produce highly skilled professionals in the field of Electronics and Communication as per the industry demand and provide the support & solutions to both academia and industry of this modern era. This course helps to implant the ability in the professionals to play a key role in the recent technological advancements in the field of computer network, communication, signal processing, VLSI design, embedded system and networked control system development. This course also inculcates the ability in the scholars to handle interdisciplinary research and development issues associated with communication and electronics technologies.

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

### **M. Tech in Electronics and Communication Engineering (Internet of Thing).**

The course aims to enhance awareness of the development of IoT solutions using Big data, machine learning, and cloud Computing along with sensor design, interfacing. This course also provides knowledge of various communication techniques used in IoT, implementation of IoT sensor platforms for different applications, its limitations & challenges and various programming languages. This course helps to inculcate the ability in the scholars to handle interdisciplinary research and development issues associated with smart cities, smart manufacturing, smart farming, intelligent transportation, and real time health monitoring. The course is designed for scholars who wish to transition to IoT career opportunities in IT, Automotive, Manufacturing, Energy, Telecom, Healthcare and Logistics sectors.

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

## **HOW TO APPLY**

(1) Application may be **downloaded** from the website ([www.juit.ac.in](http://www.juit.ac.in)) or obtained through cash payment, from Registrar, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT, DISTT.- SOLAN, HP, PIN-173234, through a Demand Draft for **Rs. 1000/-** in favour of “Jaypee University of Information Technology” payable at Shimla.

(2) You may apply online by visiting the link: [www.getadmissions.com/jaypee](http://www.getadmissions.com/jaypee).

(3) Application Form duly completed/ printout of online application must reach PG Admissions, Jaypee University of Information Technology, Wagnaghat, Distt.- Solan (HP), Pin-173234 by last date mentioned at [http://www.juit.ac.in/admissions\\_all/ImportantDates.pdf](http://www.juit.ac.in/admissions_all/ImportantDates.pdf)

## **FEE STRUCTURE**

Tuition Fee	Rs. 55,000 / Semester for First Year and Rs. 57500/ Semester for 2 <sup>nd</sup> Year.
Hostel Charges	Rs. 80,000 per Semester.

## **TEACHING ASSISTANTSHIP**

All eligible GATE score students are provided Teaching Assistantships@ Rs. 12000/- per month for the first semester subsequently subject to meeting minimum CGPA criteria; and for PGET admission those who perform extremely well in 1<sup>st</sup> year of studies, subject to meeting the minimum CGPA criteria.