# MANIPAL INSTITUTE OF TECHNOLOGY
## DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY
## B. Tech. in Information Technology
FREQUENTLY ASKED QUESTIONS

| S. N. | FAQ | APPROPRIATE BRIEF ANSWER |
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| 1 | What is the difference between IT, CCE, and CSE? | All three branches are computer science-related, with differences mainly in specialization. CSE focuses on core CS concepts like algorithms, operating systems, and databases. CCE emphasizes networking, embedded systems, and communications. IT focuses on software applications, cloud computing, cybersecurity, and data science. |
| 2 | How is the Information Technology branch at Manipal? | The IT branch at Manipal is part of the ICT department and offers an industry-aligned curriculum with specializations in AI, cloud computing, and cybersecurity. |
| 3 | How is the placement for IT? | The placement rate is excellent, with companies like Amazon, Google, Microsoft, and Infosys recruiting IT students. |
| 4 | Can passed-out students go for a Master's program outside the country? | Yes, IT graduates can pursue MS/M.Tech in global universities like MIT, Stanford, and ETH Zurich, with strong prospects in AI, cybersecurity, and cloud computing. |
| 5 | Whether a separate paper exists for the GATE exam or they need to write the Computer Science paper? | There is no separate GATE paper for IT. Students must take the Computer Science (CS) GATE exam, covering data structures, OS, DBMS, and algorithms. |
| 6 | What is the scope in the government sector? | IT graduates can apply for NIC, ISRO, DRDO, BARC, and PSU companies in roles such as cybersecurity analyst, system administrator, and software engineer. |
| 7 | What is the gender ratio in the IT class? | The ratio is approximately 3:2 (boys to girls), with more female enrollments in recent years. |
| 8 | What is the prospect of becoming an entrepreneur after completing the course? | The curriculum includes open electives, incubation center support, and startup mentorship programs through MIT Technology Business Incubator (TBI) and MAHE Entrepreneurship Cell. |
| 9 | What is the average package and highest package? | - Average Package: 10-11.5 LP<br>- Highest Package: 39.6 LPA (Microsoft)<br>Amazon, Google, Qualcomm, Cisco, Infosys, Wipro, and product-based startups. |
| 10 | Whether the companies which are coming for CSE are coming for IT? | Yes, all CSE recruitment companies also hire IT students, given their strong programming, cloud computing, and database management expertise. |
| 11 | What are different specializations available in IT? | IT covers Computational Intelligence, Computer Graphics and Visualization, Data Analytics, Cyber Security, Software System Design along with many other specialized subjects |
| 12 | How is the practical / Project exposure in IT? | IT emphasizes hands-on learning through lab-based courses, research projects, industry collaborations, and |

| | | hackathons. Faculty members have strong research backgrounds in AI, cloud computing, and cybersecurity. |
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| 13 | Is the IT course AICTE approved? | Yes, it is AICTE approved. |
| 14 | What are the core subjects covered in IT across different years? | -1st & 2nd Year: Core CS subjects (Programming, Data Structures, Algorithms, OS, DBMS)<br>-3rd Year: Advanced courses (AI, Cloud Computing, Cybersecurity, Web Development)<br>-4th Year: Industry projects, electives, and research-oriented courses. |
| 15 | How does IT at MIT Manipal prepare students for global job markets and higher education? | The department offers global collaborations, industry-led courses, and exchange programs to prepare students for international job opportunities. |
| 16 | Are there any industry collaborations or internships available for IT students? | Yes, IT students can intern at Google, IBM, Microsoft, Amazon, and TCS, and the department has MoUs with global universities and tech firms. |
| 17 | What programming languages and tools are extensively covered in IT? | Python, Java, C++, JavaScript, R, and SQL are covered, along with frameworks like Django, React, and cloud platforms like AWS and Azure. |
| 18 | How does IT at MIT Manipal incorporate emerging technologies like AI, Cloud Computing, and Cybersecurity? | The department has dedicated labs and industry-led courses covering AI, Blockchain, IoT, and Cybersecurity. |
| 19 | Are programming languages and tools extensively covered in IT? | Yes, MIT TBI (Technology Business Incubator) and MAHE Entrepreneurship Cell offer mentorship, funding, and networking to IT students interested in startups. |
| 20 | What lab facilities are available for hands-on learning in IT? | The department has advanced labs for AI, IoT, cybersecurity, and cloud computing, equipped with high-end GPUs, AWS cloud credits, and cybersecurity testbeds. |
| 21 | Are there opportunities for international student exchange or semester abroad programs? | Yes, students can opt for semester exchange programs in the US, Europe, and Japan through MIT's global tie-ups |
| 22 | What certifications or additional training programs are available for IT students? | Students can earn certifications in AWS, Google Cloud, Microsoft Azure, Ethical Hacking (CEH), and AI/ML specializations. |
| 23 | What career paths can an IT graduate pursue besides software development? | IT graduates can work in Cloud Computing, Cybersecurity, Data Science, UI/UX, Full-Stack Development, Blockchain, and IT Consulting. |