**Bachelor of Science - IT (B.Sc. IT)**

**Intake Capacity**: 60 Students + 60 (Applied)

Candidate shall have passed H.S.C. examination of the Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent with Mathematics as-one of the subject and have secured not less than 45% marks in aggregate (40% marks in case of reserved category candidate) Students who have passed diploma in Computer Eng. / Computer Science / Computer Technology / IT / Electronic / Allied branches, diploma in Computer Eng. / Computer Science / Computer Technology will be eligible for direct admission to second year of B.Sc. IT. This Course shall be a full time course. The duration of the course will be SIX semesters spread over 3 years.

**Course Details:**

| **First Year** | |
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| **First Semester** | **Second Semester** |
| Programming Principles with C | Object Oriented Programming with C++ |
| Digital Logic and Applications | Fundamentals of Micro Processor and Microcontrollers |
| Fundamentals of Database Management Systems | Web Applications Development |
| Computational Logic and Discrete Structure | Numerical Methods |
| Technical Communication Skills | Green IT |
| | PL/SQL Practical |
| **Second Year** | |
| **Third Semester** | **Fourth semester** |
| Python Programming | Core Java |
| Data Structures | Introduction to Embedded Systems |
| Computer Networks | Computer Oriented Statistical Techniques |
| Database Management Systems | Software Engineering |
| Applied Mathematics | Computer Graphics and Animation |
| **Third Year** | |
| **Fifth semester** | **Sixth Semester** |
| Software Project Management | Software Quality Assurance |
| Internet of Things | Security in Computing |
| Advanced Web Programming | Business Intelligence |
| Discipline Specific Elective (Any 1)<br>Artificial Intelligence<br>Linux System Administration | Discipline Specific Elective (Any 1)<br>Principles of Geographic Information Systems<br>Enterprise Networking |
| Discipline Specific Elective (Any 1)<br>Enterprise Java<br>Next Generation Technologies | Discipline Specific Elective (Any 1)<br>IT Service Management<br>Cyber Laws |
| Project Dissertation | Project Implementation |
| | Advanced Mobile Programming Practical |