

# B.Voc. in Computer Sciences & ITES

## Course Curriculum

<b>First Semester</b>	<ol style="list-style-type: none"><li>1. Speaking and Listening skills</li><li>2. Mathematics I</li><li>3. Computer Fundamentals and Programming in C</li><li>4. Digital Electronics</li><li>5. Value Education</li><li>6. C Programming Lab</li><li>7. Digital Electronics Lab</li></ol>
<b>Second Semester</b>	<ol style="list-style-type: none"><li>1. Writing and Presentation Skills</li><li>2. Mathematics II</li><li>3. Environmental Studies</li><li>4. Data Structures</li></ol>
	<ol style="list-style-type: none"><li>5. Computer Architecture and Microprocessors</li><li>6. Data Structures Lab</li><li>7. Assembly language Programming Lab</li></ol>
<b>Third Semester</b>	<ol style="list-style-type: none"><li>1. Programming in Java</li><li>2. Software Engineering</li><li>3. Operating Systems</li><li>4. Database Management Systems</li><li>5. Design and Analysis of Algorithms</li><li>6. Java Programming Lab</li><li>7. DBMS Lab</li></ol>

<b>Four Semester</b>	1. System Software 2. Web Programming and PHP 3. Computer Networks and Security 4. Computer Graphics 5. Minor Project 6. Computer Graphics Lab 7. Web Programming and PHP Lab
<b>Fifth Semester</b>	1. Python Programming 2. Artificial Intelligence 3. Free and Open Source Software 4. Digital Marketing Internet and WWW Impact of Social Media Networks 5. Object Oriented Analysis and Design of Embedded Systems Cloud Computing
	6. Python Programming Lab 7. FOSS Lab
<b>Sixth Semester</b>	1. Data Analytics 2. Internet of Things (IoT) 3. Cyber Security 4. Machine Learning Blockchain Technology Digital Marketing 5. Major Project