

Bachelor of Vocation – Information Technology (IT)

Duration: 3 Years (6 Semesters)

Program Type: Undergraduate Degree Program

Credits: 120–140 (varies by university)

Eligibility: 10+2 or equivalent

Semester I

Subject Code	Subject Name
BVIT101	Fundamentals of Information Technology
BVIT102	Computer Fundamentals & Office Automation
BVIT103	Programming in C
BVIT104	Digital Electronics
BVIT105	Communication Skills
BVIT106P	C Programming Lab
BVIT107P	IT Skills Lab

Semester II

Subject Code	Subject Name
BVIT201	Data Structures
BVIT202	Operating Systems
BVIT203	Web Designing Fundamentals
BVIT204	Database Management Systems
BVIT205	Environmental Studies
BVIT206P	Data Structures Lab
BVIT207P	Web Designing Lab

Semester III

Subject Code	Subject Name
BVIT301	Object Oriented Programming with Java
BVIT302	Computer Networks

Subject Code	Subject Name
BVIT303	Software Engineering
BVIT304	E-Commerce
BVIT305	Cyber Security Fundamentals
BVIT306P	Java Programming Lab
BVIT307P	Networking Lab

Semester IV

Subject Code	Subject Name
BVIT401	Advanced Database Management Systems
BVIT402	Python Programming
BVIT403	Cloud Computing
BVIT404	Mobile Application Development
BVIT405	IT Project Management
BVIT406P	Python Programming Lab
BVIT407P	Mobile App Development Lab

Semester V

Subject Code	Subject Name
BVIT501	Data Analytics
BVIT502	Internet of Things (IoT)
BVIT503	Artificial Intelligence Fundamentals
BVIT504	Information Security Management
BVIT505	Entrepreneurship Development
BVIT506P	Data Analytics Lab
BVIT507P	Industrial Training / Internship

Semester VI

Subject Code	Subject Name
BVIT601	Machine Learning Basics
BVIT602	IT Service Management

Subject Code	Subject Name
BVIT603	Emerging Technologies
BVIT604	Professional Ethics
BVIT605	Major Project
BVIT606P	Project Work & Viva Voce