

Syllabus wef 2022

First Year (FY-BSC IT)

Semester – I (Total 5 papers, 20 Credit points)

Course Code	Course Name	Credit Point
USIT - 101	Programming Principles with C	02
USIT - 102	Digital Logic and Applications	02
USIT - 103	Fundamentals of Database Management Systems	02
USIT - 104	Computational Logic and Discrete Structure	02
USIT - 105	Technical Communication Skills	02
USIT - IP1	Programming Principles with C Practical Practical Index List	02
USIT - IP2	Digital Logic and Applications Practical Practical Index List	02
USIT - IP3	Fundamentals of Database Management Systems Practical Practical Index List	02
USIT - IP4	Computational Logic and Discrete Structure Practical Practical Index List	02
USIT - IP5	Technical Communication Skills Practical Practical Index List	02

Semester – II (Total 5 papers, 20 Credit points)

Course Code	Course Name	Credit Point
USIT - 201	Object Oriented Programming with C++	02
USIT - 202	Fundamentals of Micro Processor and Microcontrollers	02
USIT - 203	Web Applications Development	02
USIT - 204	Numerical Methods	02
USIT - 205	Green IT	02
USIT - 2P1	Object Oriented Programming with C++ Practical Index List	02
USIT - 2P2	Fundamentals of Micro Processor and Microcontrollers Practical Index List	02
USIT - 2P3	Web Applications Development Practical Index List	02
USIT - 2P4	Numerical Methods Practical Index List	02
USIT - 2P5	PL/SQL Practical Practical Index List	02

Second Year (SY-BSC IT)

Semester – III (Total 5 papers, 20 Credit points)

Course code	Course Name	Credit Point
USIT - 301	Python Programming	02
USIT - 302	Data Structures	02
USIT - 303	Computer Networks	02
USIT - 304	Database Management Systems	02
USIT - 305	Applied Mathematics	02
USIT - 3P1	Python Programming Practical Practical Index List	02
USIT - 3P2	Data Structures Practical Practical Index List	02
USIT - 3P3	Computer Networks Practical Practical Index List	02
USIT - 3P4	Database Management Systems Practical Practical Index List	02
USIT - 3P5	Mobile Programming Practical Practical Index List	02

Semester – IV (Total 5 papers, 20 Credit points)

Course code	Course Name	Credit Point
USIT - 401	Core Java	02
USIT - 402	Introduction To Embedded Systems	02
USIT - 403	Computer Oriented Statistical Techniques	02
USIT - 404	Software Engineering	02
USIT - 405	Computer Graphics and Animation	02
USIT - 4P1	Core Java Practical Practical Index List	02
USIT - 4P2	Introduction to Embedded Systems Practical Practical Index List	02
USIT - 4P3	Computer Oriented Statistical Techniques Practical Practical Index List	02
USIT - 4P4	Software Engineering practical Practical Index List	02
USIT - 4P5	Computer Graphics and Animation Practical Practical Index List	02

Third Year (TY-BSC IT)

Semester – V (Total 6 papers, 20 Credit points)

Course code	Course Name	Credit Point
USIT - 501	Software Project Management	02
USIT - 502	Internet of Things	02
USIT - 503	Advanced Web Programming	02
USIT - 504	Linux System Administration	02
USIT - 506	Enterprise Java	02
USIT - 5P1	Project Dissertation	02
USIT - 5P2	Internet of Things Practical Practical Index List	02
USIT - 5P3	Advanced Web Programming Practical Practical Index List	02
USIT - 5P5	Linux System Administration Practical Practical Index List	02
USIT - 5P6	Enterprise Java Practical Practical Index List	02

Semester – VI (Total 6 papers, 20 Credit points)

Course code	Course Name	Credit Point
USIT - 601	Software Quality Assurance	02
USIT - 602	Security in Computing	02
USIT - 603	Business Intelligence	02
USIT - 604	Principles of Geographic Information System	02
USIT - 607	Cyber Laws	02
USIT - 6P1	Project Implementation	02
USIT - 6P2	Security in Computing practical Practical Index List	02
USIT - 6P3	Business Intelligence practical Practical Index List	02
USIT - 6P4	Principles of Geographic Information System practical Practical Index List	02
USIT - 6P6	Advance Mobile Programming practical Practical Index List	02