FIRST YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Introduction to ICT	2	1	50 + 50
Programming Fundamentals	3	1	100 + 50
English Composition and Comprehension	3	0	100 + 00
Discrete Structures	3	0	100 + 00
Applied Physics	3	0	100 + 00
Total	**14**	**2**	**450 + 100**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Object Oriented Programming	3	1	100 + 50
Communication and Presentation Skills	3	0	100 + 00
Pakistan Studies	2	0	50 + 00
Islamic Studies/Ethics	2	0	50 + 00
Linear Algebra	3	0	100 + 00
Economics	3	0	100 + 00
Total	**16**	**1**	**500 + 50**

SECOND YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Data Structures and Algorithms	3	1	100 + 50
Calculus and Analytical Geometry	3	0	100 + 00
Professional Practices	3	0	100 + 00
Visual Programming	3	1	100 + 50
Principles of Accounting	3	0	100 + 00
Total	**15**	**2**	**500 + 100**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Operating Systems	3	1	100 + 50
Information Security	3	0	100 + 00
Computer Networks	3	1	100 + 50
Statistics and Probability	3	0	100 + 00
Software Engineering	3	0	100 + 00
Total	**15**	**2**	**500 + 100**

THIRD YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Database Systems	3	1	100 + 50
Software Requirements Engineering	3	0	100 + 00
System and Network Administration	3	1	100 + 50
IT Project Management	3	0	100 + 00
Advanced Object Oriented Programming	2	1	50 + 50
Total	**14**	**3**	**450 + 150**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Web Technologies	2	1	50 + 50
Human Computer Interaction	3	0	100 + 00
Digital Logic Design	3	0	100 + 00
IT Infrastructure	3	0	100 + 00
Compiler Construction	3	0	100 + 00
Technical and Business Writing	3	0	100 + 00
Total	**17**	**1**	**550 + 50**

FINAL YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Virtual Systems and Services	3	1	100 + 50
Final Year Project - I	0	3	00 + 100
Operations Research	3	0	100 + 00
Digital Image Processing	2	1	50 + 50
Modeling and Simulation	3	0	100 + 00
Cyber Crime	2	0	50 + 00
Total	**13**	**5**	**400 + 200**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Final Year Project - II	0	3	00 + 100
Cyber Security	3	0	100 + 00
Artificial Intelligence	3	1	100 + 50
Database Administration and Management	3	1	100 + 50
Mobile Application Development	2	1	50 + 50
Total	**11**	**6**	**350 + 250**