FIRST YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Introduction to Computing	2	1	50+50
Programming Fundamentals	3	1	100+50
English Composition & Comprehension	3	0	100+00
Calculus & Analytical Geometry	3	0	100+00
Applied Physics	3	0	100+00
Pakistan Studies	2	0	50+00
Total	**16**	**2**	**500+100**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Digital Logic Design	3	1	100+50
Object Oriented Programming	3	1	100+50
Communication & Presentation Skills	3	0	100+00
Economics	3	0	100+00
Linear Algebra	3	0	100+00
Total	**15**	**2**	**500+100**

SECOND YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Computer Organization & Assembly Language	3	1	100+50
Data Structures & Algorithms	3	1	100+50
Discrete Structures	3	0	100+00
Professional Practices	3	0	100+00
Financial Accounting and Management	3	0	100+00
Total	**15**	**2**	**500+100**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Design & Analysis of Algorithms	3	0	100+00
Database Systems	3	1	100+50
Islamic Studies/Ethics	2	0	50+00
Visual Programming	3	1	100+50
Statistics & Probability	3	0	100+00
Total	**14**	**2**	**450+100**

THIRD YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Theory of Automata	3	0	100+00
Theory of Programming Languages	3	0	100+00
Operating Systems	3	1	100+50
Software Engineering	3	0	100+00
Advanced Object Oriented Programming	3	1	100+50
Total	**15**	**2**	**500+100**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Compiler Construction	3	0	100+00
Computer Networks	3	1	100+50
Numerical Computing	3	0	100+00
Web Engineering	3	1	100+50
Technical & Business Writing	3	0	100+00
Total	**15**	**2**	**500+100**

FINAL YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Graph Theory	3	0	100+00
Information Security	3	0	100+00
Final Year Project-I	0	3	00+100
Entrepreneurship& Leadership	2	0	50+00
Parallel & Distributed Computing	3	0	100+00
Mobile Application Development	3	1	100+50
Total	**14**	**4**	**450+150**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Artificial Intelligence	3	1	100+50
Big Data Analytics	3	1	100+50
Final Year Project-II	0	3	00+100
Human Computer Interaction	3	0	100+00
Total	**9**	**5**	**300+200**