

FIRST YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Computing Fundamentals	3	1	100+50
Computer Programming	3	1	100+50
Applied Physics	3	1	100+50
Linear Algebra & Analytical Geometry	3	0	100+00
Functional English	2	0	50+00
Total	14	3	450+150

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Object Oriented Programming	3	1	100+50
Communication Skills	2	0	50+00
Electronic Engineering	3	1	100+50
Applied Calculus	3	0	100+00
Pakistan Studies	2	0	50+00
Islam Studies / Ethics	2	0	50+00
Total	15	2	450+100

SECOND YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Data Structures and Algorithms	3	1	100+50
Database Management Systems	3	1	100+50
Digital Logic & Design	3	1	100+50
Complex Variables & Transforms	3	0	100+00
Total	12	3	400+150

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Computer Architecture & Design	3	0	100+00
Computer Communication & Networks	3	1	100+50
Operating Systems	3	1	100+50
Visual Programming	3	1	100+50
Computer Graphics	2	1	50+50
Total	14	4	450+200

THIRD YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Statistics & Probability	3	0	100+00
Engineering Economics	2	0	50+00
Microprocessors and Interfacing	3	1	100+50
Communication Systems	3	1	100+50
Web Engineering	3	1	100+50
Total	14	3	450+150

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Artificial Intelligence	3	1	100+50
Software Engineering	3	1	100+50
Modeling & Simulation	3	1	100+50
Professional & Social Ethics	2	0	50+00
Embedded Systems	3	1	100+50
Total	14	4	450+200

FINAL YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Entrepreneurship & Leadership	2	0	50+00
Data Sciences & Analytics	3	1	100+50
Mobile Applications Development	3	1	100+50
Digital Image Processing	3	1	100+50
Thesis Project - I	0	3	00+100
Total	11	6	350+250

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
System Administration	3	1	100+50
Parallel and Distributing Computing	3	1	100+50
Wireless Communication	3	1	100+50
Thesis Project - II	0	3	00+100
Total	9	6	300+250