SN	Name of Subject	CH Th	CH Pr	Marks	SN	Name of Subject	CH Th	CH Pr	Marks
First Year										

SN	Name of Subject	Th	Pr	Marks	SN	Name of Subject	Th	Pr	Marks
First Year									
1st Semester					**2nd Semester**				
1	Introduction to ICT	3	0	100+00	1	Object Oriented Programming	3	1	100+50
2	Programming Fundamentals	3	1	100+50	2	Communication Skills	2	0	50+00
3	Applied Physics	3	1	100+50	3	Linear Algebra & Analytical Geometry	3	0	100+00
4	Applied Calculus	3	0	100+00	4	Introduction to Software Engineering	3	0	100+00
5	Functional English	2	0	50+00	5	Pakistan Studies	2	0	50+00
					6	Islamic Studies / Ethics	2	0	50+00
	Total	14	2	450+100		Total	15	1	450+50
Second Year									
1st Semester					**2nd Semester**				
1	Data Structures and Algorithms	3	1	100+50	1	Software Design & Architecture	2	1	50+50
2	Database Management Systems	3	1	100+50	2	Computer Networks	3	1	100+50
3	Operating Systems	3	1	100+50	3	Web Engineering – I	3	1	100+50
4	Software Requirements Engineering	3	0	100+00	4	Multimedia Technologies	3	1	100+50
5	Discrete Structures	3	0	100+00	5	E-Commerce	2	0	50+00
	Total	15	3	500+150		Total	13	4	400+200

Third Year

	1st Semester					2nd Semester			
1	Software Construction	2	1	50+50	1	Software Project Management	3	1	100+50
2	Web Engineering – II	3	1	100+50	2	Information Security	3	0	100+00
3	Statistics & Probability	3	0	100+00	3	Artificial Intelligence	3	1	100+50
4	Human Computer Interaction	3	0	100+00	4	Mobile Applications Development	3	1	100+50
5	Embedded Systems	2	1	50+50	5	Professional & Social Ethics	2	0	50+00
6	Engineering Economics	2	0	50+00					
	Total	15	3	450+150		Total	14	3	450+150

Final Year

	1st Semester					2nd Semester			
1	Entrepreneurship & Leadership	2	0	50+00	1	Software Quality Engineering	3	1	100+50
2	Data Sciences	3	1	100+50	2	Cloud Computing	3	1	100+50
3	Software Re-engineering	3	0	100+00	3	Business Process Engineering	3	0	100+00
4	Formal Methods in Software Engineering	3	0	100+00	4	Thesis Project - II	0	3	00+100
5	Thesis Project - I	0	3	00+100					
	Total	11	4	350+150		Total	9	5	300+200