Scheme of Studies	BS	Computer	Science
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	First Year										
Fall Semester						Spring Semester					
Course		Cr	Credit Hours				Credit Hours				
Code		Code	Course Title		Pr	Total					
CT-175	Programming Fundamentals	3	1	4	CS-251	Logic Design & Switching Theory.	3	1	4		
CT-174	Fundamentals of Information Technology	2	1	3	CT-162	Discrete Structures.	3	0	3		
MT-171	Differential & Integral Calculus	3	0	3	CT-251	Object Oriented Programming.	3	1	4		
PH-122	Applied Physics.	3	1	4	HS-104	Functional English.	3	0	3		
HS-205	Islamic Studies. OR	2	0	2	HS-105	Pakistan Studies. OR	2	0	2		
HS-209	Ethical Behaviour.				HS-127	Pakistan Studies. (For Foreigners)					
					HSK-1	Chinese Language	-	-	NC		
					HS-200	Community Service	-	-	NC		

	Second Year								
	Fall Semester	Spring Semester							
Course	Course Title	Credit Hours			Course	Course Title	Credit Hours		
Code	Course fille	Th Pr Total Code	Code	Course mile	Th	Pr	Total		
CT-159	Data Structure Algorithms & Applications.	3	1	4	CS-252	Computer Architecture & Organization.	3	1	4
CT-259	System Analysis Design.	3	0	3	CT-261	Database Management Systems.	3	1	4
MT-227	Differential Equations.	3	0	3	HS-218	Business Communication	2	1	3
HS-219	Professional Ethics	2	0	2	MT-272	Linear Algebra & Geometry	3	0	3
HS-115	Academic Reading & Writing	3	0	3	CT-258	Financial & Cost Accounting.	3	0	3
HSK-2	Chinese Language.	-	-	NC					

	Third Year								
	Fall Semester	Spring Semester							
Course		Credit Hours			Course	Course Title	Credit Hours		
Code	Course Title	Th	Pr	Total	Code	Code Course Title	Th	Pr	Total
CT-365	Software Engineering	3	0	3	CT-376	Computer Communication Networks.	3	1	4
CT-363	Design & Analysis of Algorithms.	3	0	3	CT-362	Web Engineering.	3	1	4
CT-353	Operating Systems.	3	1	4	CT-367	Theory of Programming Languages.	3	0	3
MT-331	Probability & Statistics	3	0	3	CT-361	Artificial Intelligence & Expert Systems.	3	1	4
CT-364	Theory of Automata and Formal Languages.	3	0	3	MT-442	Numerical Methods.	3	0	3

	Final Year									
	Fall Semester	Spring Semester								
Course		Credit Hours			Course	Course Title	Credit Hours			
Code	Course Title	Th	Pr	Total	l Code	Course Thie	Th	Pr	Total	
MG-482	Organisational Behaviour.	3	0	3	CS-428	Parallel & Distributed Computing	3	1	4	
CT-486	Network & Information Security.	3	1	4	MG-481	Entrepreneurship.	3	0	3	
CT-###	Elective-I.	3	0	3	CT-465	Compiler Design.	3	0	3	
CT-###	Elective-II.	3	1	4	СТ-##	Elective-III.	3	1	4	
CT-499	Software Based Project.	-	3	3	CT-499	Software Based Project.	0	3	3	

Elective-I Courses								
CT-366	E-Commerce							
CT-485	Natural Language Processing							
CT-464	Modelling & Simulation							

Elect	Elective-II & Elective-III Courses							
CT352	Computer Graphics							
CT-487 Visual Programming								
CT-488	Distributed Computing.							
CT-463	Data Warehousing & Mining.							
CT-481	Wireless Network & Mobile Computing							
CT-484	Introduction to Cyber Security							