

1. Program Articulation Matrix																
Course Code	Course Name	Programme Learning Outcomes														
		Disciplinary Knowledge	Critical Thinking	Problem Solving	Analytical Reasoning	Research Skills	Team Work	Scientific Reasoning	Reflective Thinking	Self-Directed Learning	Multicultural Competence	Ethical Reasoning	Community Engagement	ICT Skills	Leadership Skills	Life Long Learning
PCS21C01J	Advanced Data Structures	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21C02J	Advanced Java Programming	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21C03J	Computer Networks	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21C04J	Open Source Technologies	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21C05J	Distributed Operating System	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21C06J	Big Data Analytics	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21C07J	Python Programming	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21C08J	Theory of Computation	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21E01J	Artificial Intelligence and Expert Systems	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E02J	Cloud Computing	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E03J	Image Processing using Matlab	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E04J	Advanced Machine Learning	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E05J	Internet of Things	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E06J	Block Chain Technologies	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E07J	Statistical Data Analytics	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E08J	Cryptography and Network Security	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E09J	Compiler Design	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21G01J	Deep Learning for Data Science	H	H	H	H	H	L	M	L	M	H	M	M	H	H	M
PCS21G02J	Software Engineering	H	H	H	H	H	L	M	L	M	H	M	M	H	H	M
PCS21G03J	Research Methodology	H	H	H	H	H	L	M	L	M	H	M	M	H	H	M
PCS21S01J	Information Literacy	H	H	H	H	H	L	M	L	M	M	H	H	M	H	H
PCS21S02J	Data Mining and Data Warehousing	H	H	H	H	H	L	M	L	M	H	M	M	H	H	M
PCS21S03J	Web Development Using AngularJS and Mongo	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCS21E31L	Miniproject	H	H	H	H	H	L	M	L	M	M	M	H	M	H	H
PCS21E41L	Project Work	H	H	H	H	H	L	M	L	M	M	M	H	M	H	H
PCD21AE1T	Professional Skills and Problem Solving	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCD21AE2T	General Aptitude For Competitive Examinations	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
PCD21AE3T	Employability Skills	H	H	H	H	H	M	H	M	M	M	H	H	H	M	M
Program Average		H	H	H	H	H	M	M	M	M	M	M	H	H	H	H

Course Structure								
Semester	Professional Core Courses (PCC)	Discipline Electives Courses (DEC)	Generic Electives Courses (GEC)	Skill Enhancement Courses (SEC)	Ability Enhancement Courses (AEC)	Project Work, Internship (P)	Total Credits	Total Hours
Sem I	PCC-1(7) PCC-2 (7) PCC-3(7)	DEC-1 (5)		SEC 1 (3)	AEC 1 (1)		22	30
Sem II	PCC-4 (7) PCC-5 (7) PCC-6 (7)	DEC-2 (5)-		SEC 2 (3)	AEC 2 (1)		22	30
Sem III	PCC-7(6) PCC-8(6)	DEC-3(5)	GEC(5)	SEC3(5)	AEC3(1)	P (2)	24	30
Sem IV						P (24)	12	30
Total Credits	40	12	4	8	3	13	80	120