

6. M.C.A Programme Structure (Total Credits:80)											
1. Professional Core Courses (C) (7 Courses)						2. Discipline Elective Courses (D) (3 Courses)					
Course Code	Course Title	Hours/ Week			C	Course Code	Course Title	Hours/ Week			C
		L	T	P				L	T	P	
PCA20C01J	Programming Using Java	3	0	2	4	PCA20D01J	Advanced Web Application Development	3	0	2	4
PCA20C02J	Operating System	3	0	2	4	PCA20D02J	Cyber Security				
PCA20C03J	Database Technology	3	0	2	4	PCA20D03J	Software Engineering				
PCA20C04J	Python Programming	3	0	2	4	PCA20D04J	Android Applications Development	3	0	2	4
PCA20C05J	Computer Networks	3	0	2	4	PCA20D05J	Programming using C#				
PCA20C06T	Optimization Techniques	4	0	0	4	PCA20D06J	Software Testing				
PCA20C07J	Object Oriented Analysis and Design	3	0	2	4	PCA20D07J	Artificial Intelligence and Machine Learning	3	0	2	4
Total Learning Credits					28	PCA20D08J	Cloud Computing				
						PCA20D09J	Internet of Things (IoT)				
3. Generic Elective Courses (G) (Any 1 Course)						Total Learning Credits					12
Course Code	Course Title	Hours/ Week			C	4. Skill Enhancement Courses(S) (2 Courses)					
		L	T	P		Course Code	Course Title	Hours/ Week			
PCA20G01T	Software Project Management	3	0	0	3	PCA20S01J	IT Infrastructure Management	3	0	2	4
PCA20G02T	Data Warehouse and Data Mining					PCA20S02J	Data Analysis Using R	0	3	2	4
PCA20G03T	Organizational Behavior and Professional Ethics					Total Learning Credits					8
PCA20G04T	Social Network Analysis										
Total Learning Credits						3					
5. Project Work, Internship In Industry / Higher Technical Institutions(P)						6. Ability Enhancement Courses (AE) (3 Courses)					
Course Code	Course Title	Hours/ Week			C	Course Code	Course Title	Hours/ Week			C
		L	T	P				L	T	P	
PCA20P01L	Internship	-	-	-	2	PCA20AE1T	Career Advancement– I	3	0	0	3
PCA20P02L	Mini Project Work	0	0	12	6	PCA20AE2T	Career Advancement - II	3	0	0	3
PCA20P03L	Project Work	0	0	24	12	PCA20AE3T	Career Advancement– III	3	0	0	3
Total Learning Credits					20	Total Learning Credits					9