

M. Tech, Computer Science and Engineering

Semester I

S No.	Paper Code	Category	Paper Name	Class Hours			Credit
				L	T	P	
			Theory				Cr. Pt.
1	PGCSE101	PCC	Mathematical Concepts in Computer Science	3	0	0	3
2	PGCSE102	PCC	Advanced Operating System	3	0	0	3
3	PGCSE103	PCC	Advanced Algorithms	3	0	0	3
4	PGCSE104A/B/ C/D/E	PEC	Elective-I A) Machine Learning Applications B) Advanced Soft Computing C) Software Engineering & CASE tools D) Data Ware Housing and Data Mining E) Parallel Computing Techniques	3	0	0	3
5	PGCSE105 A/B/C/D/E	OEC	Elective-II A) Advanced Computer Architecture B) Bioinformatics C) Information and Coding Theory D) Human Computer Interaction E) VLSI Design	3	0	0	3
			Total	15	0	0	15
			Practical	L	T	P	Cr. Pt.
6	PGCSE191	PCC	Advanced System Lab	0	0	4	2
7	PGCSE192	PCC	Advanced Algorithm Lab	0	0	4	2
			Total	0	0	8	4
			Seminar	L	T	S	Cr. Pt.
8	PGCSE181	SEMINAR	Seminar–Based on literature survey	0	0	4	2
			Total	15	0	12	21

Semester II

S No.	Paper Code	Category	Paper Name	Class Hours			Credit
				L	T	P	
			Theory				Cr. Pt.
1	PGCSE201	PCC	Advanced Computer Network & Security	3	0	0	3
2	PGCSE202	PCC	Deep Learning Fundamentals	3	0	0	3
3	PGCSE203	PCC	Data Analytics	3	0	0	3
4	PGCSE204A/B/ C/D/E	PEC	Elective-III A) Internet of Things B) Cloud Computing C) Foundation of Block chain Technologies D) Natural Language Processing E) Cyber Security F) Generative Artificial Intelligence	3	0	0	3
5	PGCSE205 A/B/C/D/E	OEC	Elective-IV A) Image Processing and Tools B) Pattern Recognition C) Real-time Embedded Systems & Programming D) Complex Systems E) Distributed System Principle F) High Performance Computing	3	0	0	3
			Total	15	0	0	15

				Practical			L	T	P	Cr .Pt.
6	PGCSE291	PCC	Data Analytics Lab	0	0	4				2
7	PGCSE292	PCC	Deep Learning Lab	0	0	4				2
				Total	0	0	8			4
				Seminar			L	T	S	Cr. Pt.
7	PGCSE281	SEMINAR	Seminar–Term paper leading to project	0	0	4				2
				Total	15	0	12			21
Semester III										
S No.			Paper Name	Class Hours			Credit			
	Paper Code	Category	Theory	L	T	P	Cr. Pt.			
1	PGCSE301	PCC	Teaching & Research Methodologies	3	0	0	3			
				Total	3	0	0	3		
			Project	L	T	S	Cr. Pt.			
2	PGCSE381	PROJ	Project–Part1(Dissertation I + Defense of Project - I)	0	0	30	5+10=15			
				Total	3	0	30	18		
Semester IV										
S No.	Paper Code	Category	Project and Viva	L	T	S	Cr. Pt.			
1	PGCSE481	PROJ	Project–Part2(Dissertation II + Defense of Project - II)	0	0	40	6+14=20			
2	PGCSE482	VIVA	Comprehensive Viva Voice	0	0	2	1			
				Total	0	0	42	21		

Total Credit: 81