

Department of Computer Science and Engineering
M.Tech (Computer Science and Engineering)
Course Structure and Syllabus
Academic Regulations: 2017-2018

I Year	COURSE STRUCTURE	I Semester
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S. No.	Subject Code	Subject Name	L	T	P	C	Marks	
							CIE	SEE
1	6P101	Advanced Computer Architecture	3	1	-	3	25	75
2	6P102	Advanced Data Structures and Algorithms	3	1	-	3	25	75
3	6P103	Databases System Concepts	3	1	-	3	25	75
4	6P104	Java Programming	3	1	-	3	25	75
5		PROFESSIONAL ELECTIVE I	3	1	-	3	25	75
6		PROFESSIONAL ELECTIVE II	3	1	-	3	25	75
7	6P115	Research Methodology	2	-		2	25	75
8	6P171	Data Structures through Java lab	-	-	4	2	25	75
9	6P172	Literature Review and Seminar-I	-	-	3	1	100	-
10	6P173	Comprehensive Viva – Voce –I	-	-	-	1	50	50
		Total	20	6	7	24	350	650

PROFESSIONAL ELECTIVE I		PROFESSIONAL ELECTIVE II	
Subject Code	Subject Name	Subject Code	Subject Name
6P105	Artificial Intelligence	6P110	Natural Language Processing
6P106	Semantic Web and Social Networking	6P111	Cloud Computing
6P107	Computer Graphics	6P112	Human Computer Interaction
6P108	Software Process and Project Management	6P113	Software metrics and Quality Assurance
6P109	Advanced Computer Networks	6P114	Python Programming

I Year	COURSE STRUCTURE	II Semester
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S. No.	Subject Code	Subject Name	L	T	P	C	Marks	
							CIE	SEE
1	6NC04	Network Security	3	1	-	3	25	75
2	6P202	Advanced Operating Systems	3	1	-	3	25	75
3	6P203	Web Technologies & Services	3	1	-	3	25	75
4	6P204	Data warehousing and Data Mining	3	1	-	3	25	75
5		PROFESSIONAL ELECTIVE III	3	1	-	3	25	75
6		OPEN ELECTIVE	3	1	-	3	25	75
7	6P274	Web Technologies and Informatics Lab	-	-	4	2	25	75
8	6P271	Literature Review and Seminar-II	-	-	3	1	100	-
9	6P272	Project Seminar – I(Abstract)	-	-	3	2	100	-
10	6P273	Comprehensive Viva – Voce-II	-	-	-	1	50	50
		Total	18	6	10	24	425	575

PROFESSIONAL ELECTIVE III		OPEN ELECTIVE	
Subject Code	Subject Name	Subject Code	Subject Name
6P205	Software Architecture and Design Patterns	6ZC03	Banking Operations, Insurance and Risk Management
6P206	Image Processing And Pattern Recognition	6QC33	Intellectual Property Rights
6P207	Machine Learning	6T217	Embedded Systems
6P208	Information Retrieval Systems	6ZC13	Entrepreneurship and Innovation
6P209	Big Data Analytics	6H233	Ethics, Morals, Gender Sensitization and Yoga
6P210	Mobile Computing	6QC47	Bio-informatics
6P211	Internet of Things		