

Department of Computer Science and Engineering
M.Tech (Computer Science and Engineering)
Course Structure

Academic Regulations: 2014-2015

I Year		COURSE STRUCTURE					I Semester		
S.No.	Subject Code	Subject Name	L	T	P	C	Marks		
							Internal	External	
1	4P101	Advanced Computer Architecture	3	1	-	3	40	60	
2	4P102	Advanced Data Structures and Algorithms	3	1	-	3	40	60	
3	4P103	Advanced Databases	3	1	-	3	40	60	
4	4SC04	Cloud Computing	3	1	-	3	40	60	
5		PROFESSIONAL ELECTIVE I	3	1	-	3	40	60	
6		PROFESSIONAL ELECTIVE II	3	1	-	3	40	60	
7	4P171	Advanced Data Structures and Algorithms Lab	-	-	4	2	40	60	
8	4P172	Technical paper writing and Seminar	-	-	3	2	50	-	
Total			18	6	7	22	330	420	

PROFESSIONAL ELECTIVE I		PROFESSIONAL ELECTIVE II	
Subject Code	Subject Name	Subject Code	Subject Name
4P105	Natural Language Processing	4RC12	Wireless Networks and Mobile Computing
4S102	Software Process and Project Management	4SC08	Storage Area Networks
4P106	Advanced Network Programming	4S109	Ad hoc and Sensor Networks
		4S120	Network Security and Cryptography

I Year		COURSE STRUCTURE					II Semester		
S.No.	Subject Code	Subject Name	L	T	P	C	Marks		
							Internal	External	
1		OPEN ELECTIVE	3	1	-	3	40	60	
2	4P207	Distributed Systems	3	1	-	3	40	60	
3	4SC06	Information Retrieval Systems	3	1	-	3	40	60	
4	4S213	Web Technologies & Services	3	1	-	3	40	60	
5	4S214	Advanced Data Mining	3	1	-	3	40	60	
6		PROFESSIONAL ELECTIVE III	3	1	-	3	40	60	
7	4S273	Web Technologies and Services Lab	-	-	4	2	40	60	
8	4P274	Technical Seminar (Independent Review Paper)	-	-	3	2	50	-	
Total			18	6	7	22	330	420	

PROFESSIONAL ELECTIVE III		OPEN ELECTIVE	
Subject Code	Subject Name	Subject Code	Subject Name
4S211	Software Architecture and Design Patterns	4ZC03	Banking Operations, Insurance and Risk Management
4SC16	Image Processing and Pattern Recognition	4GC33	Intellectual Property Rights , Values and Ethics
4S217	Machine Learning and Artificial Intelligence	4T217	Embedded Systems
		4GC42	Fundamentals of Bio-informatics

II Year	COURSE STRUCTURE	I Semester
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S.No.	Subject Code	Subject Name	L	T	P	C	Marks	
							Internal	External
1	4P375	Comprehensive Viva voice	-	-	-	2	-	50
2	4P376	Project Seminar - I	-	-	-	2	50	-
3	4P377	Project Work (PART- I) (Project Status Report) (Excellent/ Good/ Satisfactory/ Un-Satisfactory)	-	-	-	18	grading	-
Total			-	-	-	22	50	50

II Year	COURSE STRUCTURE	II Semester
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S.No.	Subject Code	Subject Name	L	T	P	C	Marks	
							Internal	External
1	4P478	Project Seminar - II	-	-	-	2	50	-
2	4P479	Project Work and Dissertation (Excellent/ Good/ Satisfactory/ Un-Satisfactory)	-	-	-	20	-	grading
Total			-	-	-	22	50	-

L - Lectures; T = Tutorial; P = Practical; C = Credits