

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

I Year		COURSE STRUCTURE				I Semester		
S. No.	Subject Code	Subject Name	L	T	P	C	Marks	
							CIE	SEE
1	6N101	Data Structures and Algorithms	3	1	-	3	25	75
2	6P103	Database System Concepts	3	1	-	3	25	75
3	6N102	Distributed Systems	3	1	-	3	25	75
4	6N103	Advanced 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	6P116	Data Structures through Java lab	-	-	4	2	25	75
8	6P115	Research Methodology	2	-	-	2	25	75
9	6N170	Literature Review and Seminar-I	-	-	3	1	100	-
10	6N171	Comprehensive Viva – Voce –I	-	-	-	1	100	-
Total			20	6	7	24	400	600

PROFESSIONAL ELECTIVE I		PROFESSIONAL ELECTIVE II	
Subject Code	Subject Name	Subject Code	Subject Name
6P101	Advanced Computer Architecture	6N106	Parallel and Distributed Algorithms
6P108	Software Process and Project Management	6P113	Software metrics and Quality Assurance
6P105	Artificial Intelligence	6P111	Cloud Computing
6N104	Network Security	6N106	Linux Programming
6P106	Semantic Web and Social Networking	6N105	Distributed Computing

I Year	COURSE STRUCTURE	II Semester
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S. No.	Subject Code	Subject Name	L	T	P	C	Marks	
							CIE	SEE
1	6N201	Network Programming	3	1	-	3	25	75
2	6P208	Information Retrieval Systems	3	1	-	3	25	75
3	6N202	Internet Technologies and Services	3	1	-	3	25	75
4	6P210	Mobile Computing	3	1	-	3	25	75
5		PROFESSIONAL ELECTIVE III	3	1	-	3	25	75
6		OPEN ELECTIVE	3	1	-	3	25	75
7	6N270	Internet Technologies and Services Lab	-	-	4	2	25	75
8	6N271	Literature Review and Seminar-II	-	-	3	1	100	-
9	6N272	Project Seminar – I (Abstract)	-	-	3	2	100	-
10	6N273	Comprehensive Viva – Voce-II	-	-	-	1	100	-
		Total	18	6	10	24	475	525

PROFESSIONAL ELECTIVE III		OPEN ELECTIVE	
Subject Code	Subject Name	Subject Code	Subject Name
6N203	Data Mining	6ZC13	Entrepreneurship and Innovation
6P207	Machine Learning	6WC30	Operations Research
6P209	Big Data Analytics	6ZC03	Banking Operations, Insurance and Risk Management
6P211	Internet of Things		Intellectual Property Rights
6N204	Cyber Security & Cyber Laws		Bioinformatics
6P205	Software Architecture and Design Patterns	6T217	Embedded Systems

II Year	COURSE STRUCTURE	I Semester
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S. No.	Subject Code	Subject Name	L	T	P	C	Marks	
							CIE	SEE
1	6N370	Project Work Review- I	-	-	-	12	100	-
Total Credits			-	-	-	12	100	-

II Year - II Semester

II Year	COURSE STRUCTURE	II Semester
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S. No.	Subject Code	Subject Name	L	T	P	C	Marks	
							CIE	SEE
1	6N471	Project Work Review-II	-	-	-	12	100	-
2	6N472	Project Evaluation (Viva-voice)	-	-	-	24	-	200
Total			-	-	-	36	100	200

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

