

Department of Information Technology
SCHOOL OF COMPUTER SCIENCE AND INFORMATICS
SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY

M. Tech (Computer Networks and Information Security)
Course Structure and Syllabus-2017

I Year - I Semester

Code	Subject	L	T	P	C	Max. Marks		Total
						Internal	External	
6R101	Data Structures and Algorithms	3	1	-	3	25	75	100
6R102	Advanced JAVA Programming	3	1	-	3	25	75	100
6R103	Advanced Computer Networks	3	1	-	3	25	75	100
6R104	Principles of Information Security	3	1	-	3	25	75	100
	Professional Elective – I	3	1	-	3	25	75	100
	Professional Elective – II	3	1	-	3	25	75	100
6R115	Research Methodology	2	-	-	2	25	75	100
6R171	JAVA Programming Lab	-	-	4	2	25	75	100
6R172	Literature Review and Seminar – I	-	-	3	1	100	--	100
6R173	Comprehensive Viva Voce - I	-	-	-	1	50	50	100
	Total Credits	20	06	07	24	350	650	1000

Professional Elective – I		Professional Elective – II	
Code	Subject	Code	Subject
6R105	Network Programming	6R109	Distributed Systems
6R106	Data Warehousing and Data Mining	6R110	Information Retrieval Systems
6R107	Web Services and Service Oriented Architecture	6R111	Semantic Web and Social Networks
6R108	Computer Forensics	6R112	Database Security

I Year - II Semester

Code	Subject	L	T	P	C	Max. Marks		Total
						Internal	External	
6R201	Wireless Networks and Mobile Computing	3	1	-	3	25	75	100
6R202	Network Security	3	1	-	3	25	75	100
6R203	Adhoc and Sensor networks	3	1	-	3	25	75	100
6R204	Information Security, Management and Standards	3	1	-	3	25	75	100
	Professional Elective – III	3	1	-	3	25	75	100
	Open Elective	3	1	-	3	25	75	100
6R271	Information Security through JAVA Lab	-	-	4	2	25	75	100
6R272	Literature Review & Seminar - II	-	-	3	1	100	--	100
6R273	Comprehensive Viva Voce - II	-	-	-	1	50	50	100
6R274	Project Seminar	-	-	3	2	100	---	100
	Total Credits	18	6	10	24	425	575	1000

Professional Elective – III		Open Elective	
Code	Subject	Code	Subject
6R205	Web Security and Ethical Hacking	6ZC13	Entrepreneurship and Innovation
6R206	Cloud Computing	6ZC03	Banking, Operations, Insurance and Risk Management
6R207	Wireless Security	6QC33	Intellectual Property Rights
6R208	Big Data Analytics	6T217	Embedded Systems
6QC47	Bio Informatics	6H233	Ethics, Morals, Gender Sensitization and Yoga

II Year – I Semester

Code	Subject	L	P	Credits	Max. Marks		Total
					CIE	SEE	
6R371	Project work Review I	-	-	12	100	---	100
	Total Credits	-	-	12	100	--	100

II Year – II Semester

Code	Subject	L	P	C	Max. Marks		Total
					CIE	SEE	
6R471	Project work Review II	-	-	12	100	--	100
6R472	Project Evaluation (Viva Voce)	-	-	24	--	200	200
	Total Credits	-	-	36	--	200	300