

COMPUTER SCIENCE AND ENGINEERING

Programme: B. Tech/C.S.E.

Semester : III

Year : July 2017

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
MA 202	Probability & Statistics	SC	3	0	0	3	
MA 204	Discrete Mathematics	SC	3	0	0	3	
CS 201	Digital Logic Design	DC	3	1	0	4	
CS 202	Data Structures	DC	3	1	0	4	
CS 203	Automata and Formal Languages	DC	3	1	0	4	
EC203	OE-I (Signal & Systems)	OE	3	1	0	4	
MA 210	Mathematics Laboratory	SC	0	0	4	2	
CS 251	Digital Logic Design Laboratory		0	0	2	1	
CS 252	Data Structures Laboratory		0	0	2	1	
			18	3	8		
			30			25	

*Sc. Core (SC); Sc. Electives (SE); Engg. Sc. Core (ESC); HSS Core (HSC); HSS Elective (HSE); Discipline Core (DC);
Discipline Elective (DE); Open Elective (OE); Project Work (PW)*

Programme: B. Tech/C.S.E.

Semester : V

Year : July 2017

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
CS 301	Microprocessors & Interfacing	DC	3	0	2	4	
CS 302	Computer Networks	DC	3	0	2	4	
CS 303	System Programming	DC	3	0	2	4	
CS 312	DE-I (Computer Graphics)	DE	3	0	2	4	
EC312	OE-III (e.g. Image Processing)	OE	3	0	0	3	
HS 301	Foundations of Management	HSC	3	0	0	3	
			18	0	8	22	
			26			22	

DC- Discipline Core,

SE- Science Elective,

OE- Open Elective

Programme: B. Tech/C.S.E.

Semester : VII

Year : July 2017

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
CS 401	Project-I	PW	0	0	8	4	
CS 411	DE-III (Cryptography & Network Security)	DE	3	0	0	3	
CS 412	DE-IV (Artificial Intelligence)	DE	3	0	0	3	
CS 413	OE-V High Performance Architectures	OE	3	0	0	3	
HS 401	Professional Ethics	HSC	2	0	0	2	
HS 402	Introduction to Economics	HSE	3	0	0	3	
			14	0	8	18	
			22			18	

DC- Discipline Core, HSC- HSC Core, DE- Discipline Elective, OE- Open Elective

Programme: M. Tech/C.S.E.

Semester : I

Year : July 2017

Course No.	Course Title	Course Type	Contact Hour			Credit	Remarks
			L	T	P		
CS 501	Mathematical Foundations of Computer Science	DC	3	0	0	3	
CS 502	Algorithms and Complexity	DC	3	0	0	3	
CS 503	Advanced Concepts in Operating Systems	DC	3	0	0	3	
CS 5XX	Elective I:	DE	3	0	0	3	
CS 5XX	Elective II:	DE	3	0	0	3	
CS 505	Advanced Programming, Operating System and Database Laboratory	LAB	0	0	6	3	
			15	0	6		
			21			18	

DC: Discipline Core DE: Discipline Elective LAB: Laboratory PW: Project Work SE: Seminar

Electives I & II

Course Code	Course Name	L-T-P	C	Prerequisites
CS 510	Artificial Intelligence	3-0-0	3	
CS 511	Mobile Computing	3-0-0	3	
CS 512	Image Processing	3-0-0	3	