

Format for Curriculum

School: SCSE

Programme: M.Tech.(CSE)

Curriculum

(Applicable to students joining the AY 2012-13)

University Core (UC)

Course Code	Course Title	LTPC	Pre-requisite *
ENG601	Professional and Communication Skills (or) Advanced English (or) Foreign Language	0042 200 200	
MAT503	Higher Mathematics	3104	
CSE698	Seminar (or) Mini Project	--- 1	
Total credits under UC		7	

Programme Core (PC)

Course Code	Course Title	LTPC	Pre-requisite *
CSE503	Advanced Algorithmic Analysis	3024	
CSE507	Advanced Computer Architecture	3024	
CSE509	Advanced Operating Systems	3024	
CSE515	Advanced Database Systems	3104	
CSE504	Advanced Computer Graphics	3003	MAT503, CSE503
CSE506	Web Services	3024	CSE515
CSE510	Distributed Systems	3003	CSE509
CSE511	Advanced Computer Networks	3024	CSE509
CSE502	Advanced Software Engineering	3003	CSE503
CSE699	Student Project	00020	
Total credits under PC		53	

Programme Elective (PE)

Course Code	Course Title	LTPC	Pre-requisite *
CSE518	Parallel Algorithms	3003	CSE503, CSE507
CSE522	Data Compression	3024	MAT503
CSE530	High Performance Computer Systems	3003	CSE507, CSE509
CSE602	Algorithms for VLSI Design Automation	3003	CSE507, CSE503
CSE524	Advances in Compiler Design	3024	MAT503, CSE507
CSE528	Natural Language Processing	3003	MAT503, CSE515
CSE601	Knowledge Representation and Reasoning	3003	MAT503, CSE515
CSE514	Pervasive Computing	3024	MAT503, CSE511

CSE516	Network Performance Evaluations	3003	CSE511, CSE503
CSE519	Software Design	3003	CSE502
CSE521	Software Quality and Testing	3003	CSE502
CSE532	Ad hoc Wireless Networks	3003	CSE511
CSE533	Computational Intelligence	3024	MAT503
CSE534	Data Warehousing and Data Mining	3003	CSE515
CSE535	Cloud Based Computing	3003	CSE510
CSE536	Pattern Recognition	3003	MAT503
Minimum credits to be earned under PE		12	

University Elective (UE)

Course Code	Course Title	LTPC	Pre-requisite *
	University Elective	3003	
Total credits under UE		3	

Note:

1. If there is a course equivalence with another FFCS course, the student is eligible to take either of those courses. Hence they should be indicated as a basket of courses with the “(or)” condition. The list of approved course equivalences is available at Intranet/Academics/Curriculum (FFCS)

* Use course codes only

Flow Chart

