

**Centre for Computer Science & Technology**  
**Scheme of Programme: M.Tech. in Computer Science and Technology**

**SEMESTER-I**

S.No	Paper Code	Course Title	L	T	P	Cr	% Weightage				E
							A	B	C	D	
1	CST.501	Research Methodology and Statistics	4	-	-	4	25	25	25	25	100
2	CST.502	Advanced Data Structures and Algorithms	4	-	-	4	25	25	25	25	100
3	CST.503	Advanced Computer Networks	4	-	-	4	25	25	25	25	100
4	CST.504	Advanced Software Engineering	4	-	-	4	25	25	25	25	100
5	CST.505	Advanced Data Structure and Algorithms-Lab	-	-	4	2	-	-	-	-	50
6	CST.506	Advanced Computer Networks-Lab	-	-	4	2	-	-	-	-	50
7	CST.507	Seminar-I	-	-	4	2	-	-	-	-	50
8		Inter-Disciplinary Elective-I (From Other Departments)	2	-	-	2	10	15	15	10	50
			<b>18</b>	<b>-</b>	<b>12</b>	<b>24</b>					<b>600</b>

Interdisciplinary courses offered by CST Faculty (For students of other Centres)											
01	CST.508	Computer Applications	2	-	-	2	10	15	15	10	50
02	CST.509	Internet Basics and its Security	2	-	-	2	10	15	15	10	50
03	CST.510	Programming in C	2	-	-	2	10	15	15	10	50
04	CST. 511	Operating System Basics	2	-	-	2	10	15	15	10	50
05	CST. 512	Presentation and Spread Sheet Applications	2	-	-	2	10	15	15	10	50

A: Continuous Assessment: Based on Objective Type Tests

B: Pre-Scheduled Test-1: Based on Objective Type & Subjective Type Test (By Enlarged Subjective Type)

C: Pre-Scheduled Test-2: Based on Objective Type & Subjective Type Test (By Enlarged Subjective Type)

D: End-Term Exam (Final): Based on Objective Type Tests

E: Total Marks

**L: Lectures T: Tutorial P: Practical Cr: Credits**

## SEMESTER-II

S.No	Paper	Course Title	L	T	P	Cr	% Weightage				E
	Code						A	B	C	D	
1	CST.513	Advanced Database Management System	4	-	-	4	25	25	25	25	100
2	CST.514	Wireless Network and Mobile Computing	4	-	-	4	25	25	25	25	100
3	CST.515	Information and Network Security	4	-	-	4	25	25	25	25	100
4	CST.516	Digital Image Processing	4	-	-	4	25	25	25	25	100
5	CST.517	Advanced Database Management System-Lab	-	-	4	2	-	-	-	-	50
6	CST.518	Information and Network Security-Lab	-	-	4	2	-	-	-	-	50
7	CST. 519	Research Seminar	-	-	4	2	-	-	-	-	50
8		Inter-Disciplinary Elective-II (From Other Departments)	2	-	-	2	10	15	15	10	50
			<b>18</b>	<b>-</b>	<b>12</b>	<b>24</b>					600

Interdisciplinary courses offered by CST Faculty (For students of other Centres)											
01	CST.520	Digital Logic	2	-	-	2	10	15	15	10	50
02	CST.521	Multimedia and its Applications	2	-	-	2	10	15	15	10	50
03	CST.522	Basics of Computer Networks	2	-	-	2	10	15	15	10	50
04	CST.523	Free and Open Source Software Tools	2	-	-	2	10	15	15	10	50
05	CST.524	Introduction to Data Base	2	-	-	2	10	15	15	10	50

A: Continuous Assessment: Based on Objective Type Tests

B: Pre-Scheduled Test-1: Based on Objective Type & Subjective Type Test (By Enlarged Subjective Type)

C: Pre-Scheduled Test-2: Based on Objective Type & Subjective Type Test (By Enlarged Subjective Type)

D: End-Term Exam (Final): Based on Objective Type Tests

E: Total Marks

**L: Lectures T: Tutorial P: Practical Cr: Credits**

**SEMESTER-III**

S.No	Paper Code	Course Title	L	T	P	Cr	% Weightage				E
	A						B	C	D		
1	CST.601	Advanced Computer Graphics	4	-	-	4	25	25	25	25	100
Opt any one course from following three courses											
2	CST.602	Digital System Design	4	-	-	4	25	25	25	25	100
	CST.603	Secure Coding									
	CST.604	Theory of Computation									
2	CST.605	Advanced Computer Graphics-Lab	-	-	4	2	-	-	-	-	50
3	CST.606	Seminar II	-	-	4	2	-	-	-	-	50
4	CST.607	Dissertation Part-I	-	-	-	12	-	-	-	-	300
			<b>08</b>	<b>-</b>	<b>08</b>	<b>24</b>					600

**SEMESTER-IV**

S.No	Paper Code	Course Title	L	T	P	Cr	% Weightage				E
	A						B	C	D		
1	CST.608	Parallel and Distributed Computing	4	-	-	4	25	25	25	25	100
Opt any one course from following three courses											
2	CST.609	Biometric Security	4	-	-	4	25	25	25	25	100
	CST.610	Advanced Web Technologies									
	CST.611	Soft Computing									
3	CST.612	Dissertation Part-I	-	-	-	16					400
			<b>08</b>	<b>-</b>	<b>-</b>	<b>24</b>					600

A: Continuous Assessment: Based on Objective Type Tests

B: Pre-Scheduled Test-1: Based on Objective Type & Subjective Type Test (By Enlarged Subjective Type)

C: Pre-Scheduled Test-2: Based on Objective Type & Subjective Type Test (By Enlarged Subjective Type)

D: End-Term Exam (Final): Based on Objective Type Tests

E: Total Marks

**L: Lectures T: Tutorial P: Practical Cr: Credits**