

7. Programme Structure

1. Professional Core Courses (C) (13 Courses)

Course Code	Course Title	Hours/ Week			C
		L	T	P	
USA20101J	Programming for Problem Solving	4	0	4	6
USA20102J	Digital Logic Fundamentals	4	0	2	5
USA20201J	Object Oriented Programming	4	0	4	6
USA20202J	Data Structures and Algorithms	4	0	2	5
USA20301J	Programming in Java	4	0	4	6
USA20302J	Operating Systems	4	0	4	6
UCS20401J	Advanced Java Programming	4	0	4	6
USA20401J	Database Systems	4	0	4	6
UMS20402T	Resource Management Techniques	4	0	0	4
USA20501J	Web Programming	4	0	4	6
USA20502J	Computer Networks	4	0	2	5
USA20503J	Software Engineering and Testing	4	0	2	5
USA20601J	Python Programming	4	0	4	6
Total Learning Credits					72

2. Discipline Specific Elective Courses (E) (4 Courses)

Course Code	Course Title	Hours/ Week			C
		L	T	P	
UCS20D01J	Web development using NodeJS and Mongo	4	0	4	6
UCS20D02J	Web development using ReactJS and Mongo				
UCS20D03J	Web development using AngularJS and Mongo				
UCS20D04J	Multimedia and Animation	4	0	4	6
UCS20D05J	Computer Organization and Architecture				
UCS20D06J	Artificial Intelligence				
UCS20D07J	Machine Learning	4	0	4	6
UCS20D08J	Cloud Computing				
UCS20D09J	Internet of Things				
UCS20D10L	Project Work	0	0	12	6
Total Learning Credits					24

3. Generic Elective Courses (G) (9 Courses)

Course Code	Course Title	Hours/ Week			C
		L	T	P	
ULT20G01J	Tamil – I				
ULH20G01J	Hindi - I	2	0	2	3
ULF20G01J	French - I				
ULT20G02J	Tamil – II				
ULH20G02J	Hindi – II	2	0	2	3
ULF20G02J	French -II				
UMS20G01T	Discrete Mathematical Structures	3	1	0	4
UMS20G02T	Mathematical Foundation	3	1	0	4
UMS20G03T	Statistical Methods	3	1	0	4
Total Learning Credits					18

4. Ability Enhancement Courses (AE) (3 Courses)

Course Code	Course Title	Hours/ Week			C
		L	T	P	
ULE20AE1T	English	4	0	0	4
UES20AE1T	Environmental Studies	3	0	0	3
Total Learning Credits					7

5. Skill Enhancement Courses (S) (6 Courses & My India Project)						
Course	Course	Hours/ Week				
Code	Title	L	T	P	C	
UCS20S01J	Advanced Excel	1	0	1	2	
UCS20S02J	Content Management Software	1	0	1	2	
UCS20S03L	Android Basics	0	0	2	1	
UCS20S04L	Visualization Tool	0	0	2	1	
UMI20S01L	My India Project	0	0	0	1	
UCD20S01L	Soft Skills	0	0	2	1	
UCD20S02L	Quantitative Aptitude and Reasoning	0	0	2	1	
Total Learning Credits					9	

6. Extension Activity (NS/NC/NO/YG) (Any 1 Course)						
Course	Course	Hours/ Week				
Code	Title	L	T	P	C	
UNS20201L	NSS	0	0	0	0	
UNC20201L	NCC					
UNO20201L	NSO					
UYG20201L	YOGA					
Total Learning Credits					0	

7. Life Skill Courses (JeevanKaushal – JK) (4 Courses)						
Course	Course	Hours/ Week				
Code	Title	L	T	P	C	
UJK20201L	Communication Skills	0	0	4	2	
UJK20301T	Universal Human Values	2	0	0	2	
UJK20401T	Professional Skills	2	0	0	2	
UJK20501T	Leadership and Management Skills	2	0	0	2	
Total Learning Credits					8	

Total Learning Credits : 138

AS SRMIST STRONGLY ENCOURAGES THE USE OF SWAYAM (Study Web of Active Learning by Young and Aspiring Minds) PLATFORM, THE STUDENTS ARE ENCOURAGED TO CHOOSE ATLEAST ONE CORE/ ELECTIVE COURSE FROM SWAYAM ON THE RECOMMENDATION OF THE FACULTY ADVISOR AND THE CREDITS WILL BE TRANSFERRED