

Program Code: **XXX M.Tech. (Applied Mathematics and Scientific Computing)**
 Department: **AMS Department of Applied Mathematics and Scientific Computing**
 Year: **I**

[illegible]

Program Code: **XXX M.Tech. (Applied Mathematics and Scientific Computing)**
 Department: **AMS Department of Applied Mathematics and Scientific Computing**
 Year: **II**

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight(%)																								
S. No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE																				
Semester-I (Autumn)																																		
1.	AMS-701A	Thesis Stage-I (to be continued next semester)	DIS	12	-	-	-	-	-	-	-	-	100	-																				
		Total		12																														
Note: Students can take 1 or 2 audit courses as advised by the supervisor, if required.																																		
Semester-II (Spring)																																		
1.	AMS-701B	Thesis Stage-II (continued from III semester)	DIS	18	-	-	-	-	-	-	-	-	100	-																				
		Total		18																														
					<table><tr><td colspan="5">Summary</td></tr><tr><td>Semester</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>Semester-wise Total Credits</td><td>22</td><td>18</td><td>12</td><td>18</td></tr><tr><td>Total Credits</td><td colspan="4">70</td></tr></table>										Summary					Semester	1	2	3	4	Semester-wise Total Credits	22	18	12	18	Total Credits	70			
Summary																																		
Semester	1	2	3	4																														
Semester-wise Total Credits	22	18	12	18																														
Total Credits	70																																	

Program Elective Courses M.Tech.(Applied Mathematics and Scientific Computing)

Teaching Scheme					Contact Hours/Week			Exam Duration		Relative Weight(%)				
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1.	AMS-601	Introduction to Approximation Theory	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
2.	AMS-602	Advanced Transform Techniques	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
3.	AMS-603	Applied Soft Computing	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
4.	AMS-604	Applied Operations Research	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
5.	AMS-605	Advanced Decision Making	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
6.	AMS-606	Ethics in Artificial Intelligence and Data Science	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
7.	AMS-607	Advanced Integral Equations and Calculus of Variations	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
8.	AMS-608	Advanced Evolutionary Algorithms	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
9.	AMS-609	Computational Differential Equations	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
10.	AMS-610	Logistics and Supply Chain Management	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-
11.	AMS-611	Advanced Computational Fluid Dynamics	PEC	4	3	1	0	3	-	20-35	-	20-30	40-50	-