

M.Tech (Mathematics & Computing - Data Analytics)

Semester I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 1	3 1 0	4	Numerical Linear Algebra	NMCC501
DC 2	3 1 0	4	Fundamentals of Machine Learning	NMCC502
DC 3	3 1 0	4	Statistics in Decision Makings	NMCC503
DE 1	3 0 0	3	--	
DE 2	3 0 0	3	--	
DP 1	0 0 3	1.5	Numerical Linear Algebra Lab	NMCC504
DP 2	0 0 3	1.5	Fundamentals of Machine Learning Practical	NMCC505
DP 3	0 0 3	1.5	Statistics in Decision Makings Practical	NMCC506
Total Credits 22.5				

Semester II				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 4	3 1 0	4	Advanced DBMS	NMCC507
DC 5	3 1 0	4	Neural Networks and Deep Learning	NMCC508
DC 6	3 1 0	4	Advanced Data Structures & Algorithm	NMCC509
DE 3	3 0 0	3	--	
RM	3 0 0	3	Research Methodology	NMCC595
DP 4	0 0 3	1.5	Advanced DBMS Practical	NMCC510
DP 5	0 0 3	1.5	Neural Networks and Deep Learning Practical	NMCC511
DP 6	0 0 3	1.5	Advanced Data Structures & Algorithm Practical	NMCC512
Total Credits 22.5				

Semester III				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 1	0 0 0	20	Thesis	NMCC597
Total Credits 20				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 2	0 0 0	20	Thesis	NMCC598
Total Credits 20				

M.Sc. (Mathematics and Computing)

Semester I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 1	3 1 0	4	Probability & Statistics	NMCC513
DC 2	3 1 0	4	Advanced Algebra	NMCC514
DC 3	3 1 0	4	Differential Equations	NMCC515
DC 4	3 0 0	3	Advanced Numerical Methods	NMCC516
DC 5	3 0 0	3	Data Structures	NMCC517
DP 1	0 0 3	1.5	Advanced Numerical Methods Practical	NMCC518
DP 2	0 0 3	1.5	Data Structures Practical	NMCC519
Total Credits 21				

Semester II				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 6	3 1 0	4	Functional Analysis	NMCC520
DC 7	3 1 0	4	Topology	NMCC521
DC 8	3 0 0	3	Operating Systems	NMCC522
DC 9	3 0 0	3	Database Management Systems	NMCC523
DE 1	3 0 0	3	--	
DP 3	0 0 3	1.5	Operating Systems Practical	NMCC524
DP 4	0 0 3	1.5	Data Base Management Systems Practical	NMCC525
Total Credits 20				

Semester III				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 10	3 1 0	4	Design and Analysis of Algorithms	NMCC526
DC 11	3 1 0	4	Computational Fluid Dynamics	NMCC527
DE 2	3 0 0	3	--	
DE 3	3 0 0	3	--	
RM 1	3 0 0	3	Research Methodology	NMCC595
DP 5	0 0 3	1.5	Design and Analysis of Algorithms Practical	NMCC528
DP 6	0 0 3	1.5	Computational Fluid Dynamics Practical	NMCC529
Total Credits 20				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 1	0 0 0	20	Thesis	NMCC598
Total Credits 20				