

M.Tech (Computer Science and Engineering)

Semester I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 1	3 1 0	4	Advanced Data Structures & Algorithms	NCSC501
DC 2	3 1 0	4	Computing Techniques and Mathematical Tools	NCSC502
DC 3	3 1 0	4	Advanced Computer Networks	NCSC503
DE 1	3 0 0	3	--	
DE 2	3 0 0	3	--	
DP 1	0 0 3	1.5	Computing Techniques and Mathematical Tools Lab	NCSC504
DP 2	0 0 3	1.5	Advanced Data Structures & Algorithms Lab	NCSC505
DP 3	0 0 3	1.5	Advanced Computer Network Lab	NCSC506
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	NCSC507
DC 5	3 1 0	4	Algorithmic Graph Theory	NCSC508
DC 6	3 1 0	4	Cryptography and Network Security	NCSC509
DE 3	3 0 0	3	--	
RM	3 0 0	3	Research Methodology	NCSC595
DP 4	0 0 3	1.5	Advanced DBMS Lab	NCSC510
DP 5	0 0 3	1.5	Algorithmic Graph Theory Lab	NCSC511
DP 6	0 0 3	1.5	Cryptography and Network Security Lab	NCSC512
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	NCSC597
Total Credits 20				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 2	0 0 0	20	Thesis	NCSC598
Total Credits 20				

For 3-Year Executive M.Tech (AI & DS)

Semester – I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 1	3 1 0	4	Advanced Data Structures & Algorithms	NCSC501
DC 2	3 1 0	4	Computing Techniques and Mathematical Tools	NCSC502
DC 3	3 1 0	4	Artificial Intelligence	NCSC513
Total Credits 12				

Semester II				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 4	3 1 0	4	Advanced DBMS	NCSC507
DC 5	3 1 0	4	Data Analytics	NCSC516
DC 6	3 1 0	4	Deep Learning	NCSC515
Total Credits 12				

Winter Vacation				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DP 1	0 0 3	1.5	Advanced Data Structures & Algorithms Lab	NCSC505
DP 2	0 0 3	1.5	Computing Techniques and Mathematical Tools Lab	NCSC504
DP 3	0 0 3	1.5	Artificial Intelligence Lab	NCSC514
Total Credits 4.5				

Summer Vacation				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DP 4	0 0 3	1.5	Advanced DBMS Lab	NCSC510
DP 5	0 0 3	1.5	Data Analytics Lab	NCSC518
DP 6	0 0 3	1.5	Deep Learning Lab	NCSC517
Total Credits 4.5				

Semester – III				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DE 1	3 0 0	3	Computer Vision	NCSD503
DE 2	3 0 0	3	Machine Learning	NCSD519
Total Credits 6				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DE 3	3 0 0	3	Natural Language Processing	NCSD504
RM 1	3 0 0	3	Research Methodology	NCSC595
Total Credits 6				

Semester – V				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 1	0 0 0	20	Thesis	NCSC597
Total Credits 20				

Semester VI				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 2	0 0 0	20	Thesis	NCSC598
Total Credits 20				

For 2-Year Executive M.Tech (AI & DS)

Semester – I				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC 1	3 1 0	4	Advanced Data Structures & Algorithms	NCSC501
DC 2	3 1 0	4	Computing Techniques and Mathematical Tools	NCSC502
DC 3	3 1 0	4	Artificial Intelligence	NCSC513
DE1	3 0 0	3	Computer Vision	NCSD503
DE2	3 0 0	3	Machine Learning	NCSD519
Total Credits 18				

Semester II				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DC4	3 1 0	4	Advanced DBMS	NCSC507
DC5	3 1 0	4	Data Analytics	NCSC516
DC6	3 1 0	4	Deep Learning	NCSC515
DE3	3 0 0	3	Natural Language Processing	NCSD504
RM	3 0 0	3	Research Methodology	NCSC595
Total Credits 18				

Winter Vacation				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DP 1	0 0 3	1.5	Advanced Data Structures & Algorithms Lab	NCSC505
DP 2	0 0 3	1.5	Computing Techniques and Mathematical Tools Lab	NCSC504
DP 3	0 0 3	1.5	Artificial Intelligence Lab	NCSC514
Total Credits 4.5				

Summer Vacation				
Course Type	L-T-P	Credits	Name of the Course	Course Code
DP 4	0 0 3	1.5	Advanced DBMS Lab	NCSC510
DP 5	0 0 3	1.5	Data Analytics Lab	NCSC518
DP 6	0 0 3	1.5	Deep Learning Lab	NCSC517
Total Credits 4.5				

Semester III				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 1	0 0 0	20	Thesis	NCSC597
Total Credits 20				

Semester IV				
Course Type	L-T-P	Credits	Name of the Course	Course Code
TU 2	0 0 0	20	Thesis	NCSC598
Total Credits 20				