

# School of Computing Science & Engineering

Program name: M.Tech Computer Science & Engineering in Data Science

Program Structure 2023-26 (3 Years) - Weekend Program

## Semester I

Sl. No	Course Code	Name of the Course				
			L	T	P	C
1		ADVANCED DESIGN AND ANALYSIS OF ALGORITHMS	3	0	0	3
2		ADVANCED COMPUTER NETWORKS	3	0	0	3
3		ADVANCED OPERATING SYSTEMS	3	0	0	3
4		ADVANCED DESIGN AND ANALYSIS OF ALGORITHMS LAB	0	0	1	1
5		ADVANCED COMPUTER NETWORKS LAB	0	0	1	1
6		TECHNICAL SEMINAR	0	0	4	2
			9	0	6	13

## Semester II

Sl. No	Course Code	Name of the Course				
			L	T	P	C
1		PREDICTIVE ANALYTICS	3	0	0	3
2		DATA MINING & WAREHOUSING	3	0	0	3
3		PREDICTIVE ANALYTICS LAB	0	0	2	1

4		RESEARCH METHODOLOGY	3	0	0	3
6		Python Programming	1	0	4	3
			10	0	6	13

### Semester III

Sl. No	Course Code	Name of the Course				
			L	T	P	C
1		DATA ANALYTICS	3	0	0	3
2		Data Exploration and Visualization	3	0	0	3
3		Data Exploration and Visualization Lab	0	0	2	1
4		Program Elective-1	3	0	0	3
5		M.Tech-SPL-MOOC-1	3	0	0	3
			12	0	2	13

### Semester IV

Sl. No	Course Code	Name of the Course				
			L	T	P	C
1		Cognitive Science and Analytics	3	0	0	3
3		Program Elective-2	3	0	0	3
4		TERM PAPER	0	0	2	1
5		M.Tech-SPL-MOOC-2	3	0	0	3

		ANALYTICS/ MULTI DISIPLINARY PROJECT	0	0	8	4
			9	0	10	14

Semester V						
Sl. No	Course Code	Name of the Course				
			L	T	P	C
1		Big Data Management	3	0	0	3
2		Big Data Management Lab	0	0	2	1
3		M.Tech-SPL-MOOC-3	3	0	0	3
4		M. TECH DISSERTATION PART-1	0	0	0	5
			6	0	2	12

Semester VI						
Sl. No	Course Code	Name of the Course				
			L	T	P	C
1		M. TECH DISSERTATION-FINAL	0	0	30	15
			0	0	30	15

<b>TOTAL CREDITS</b>			<b>80</b>			
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**List of Electives**

SI No	Elective	Name of the Electives				
			L	T	P	C
1	Program Elective-I	OPTIMIZATION TECHNIQUES	3	0	3	3
2		RISK ANALYSIS AND PREDICTION	3	0	3	3
3		INTERNET OF THINGS	3	0	3	3
4		SOFT COMPUTING	3	0	3	3
5	Program Elective-II	BUSINESS INTELLIGENCE	3	0	3	3
6		RISK ANALYSIS AND PREDICTION	3	0	3	3
7		QUANTUM COMPUTING	3	0	3	3
8		CLOUD COMPUTING TECHNOLOGY	3	0	3	3





