SHIV NADAR UNIVERSITY

CHENNAI

School of Engineering

Department of Computer Science and Engineering

M. TECH

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

CURRICULUM

FEBRUARY 2023

SI. No	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY							
1.	Data Science (Theory cum Practice)	PC	3	3	0	2	4
2.	Essentials of AI	PC	3	3	0	0	3
3.	Optimization Techniques (Theory cum Practice)	PC	3	3	0	2	4
4.	Advanced Data Structures and Algorithms (Theory cum Practice)	PC	3	3	0	0	3
5.	Evolutionary Computing	PC	3	3	0	0	3
			TOTAL	**15**	**0**	**4**	**17**

SEMESTER – II

SI. No	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY							
1.	Reinforcement Learning	PC	3	3	0	2	4
2.	Computer Vision (Theory cum Practice)	PC	3	3	0	2	4
3.	Architectures for AI	PC	3	3	0	0	3
4.	Elective 1	PE	3	3	0	0	3
5.	Elective 2	PE	3	3	0	0	3
			TOTAL	**15**	**1**	**4**	**17**

SEMESTER - III

SI. No	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY							
1.	Elective 3	PE	3	3	0	0	3
2.	Elective 4	PE	3	3	0	0	3
3.	Project Phase 1	EEC		3	0	20	10
			TOTAL	**16**	**0**	**0**	**16**

SEMESTER - IV

SI. No	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY							
1.	Project Phase 2	EEC		0	0	40	20
			TOTAL				**20**

Program Structure

S. No	Topics	Credit Breakup for MTech
1.	PC: Professional Core Courses	28
2.	PE: Professional Elective courses relevant to chosen specialization/branch	12
3.	EEC: Project Work, Seminar and internship in industry, etc. and ability enhancement activity (AEA)	26
	Total	**70**

SEMESTER-WISE CREDITS BREAKUP

Category\Sem	PC	PE	EEC/AEA	Total
1	17	0	0	17
2	11	6	0	22
3	0	6	10	16
4	0	0	20	20
Total	**28**	**12**	**30**	**70**