Curriculum Format

Programme Name: M. Tech. Computer Science and Engineering AIML

Curriculum applicable to (for admitted year AY 2025-26

Curriculum Version: **1.0**

Approved by & Date 1st Academic Council

School Core Min. Credit Requirements --------->						**36**			
Course Code	**Category**	**Course Title**	**L**	**T**	**P**	**C**	**Pre/Co-Requisite**	**Anti-requisite**	**Course Discipline**
	Projects and Internships	**28-40 Credits (Based on the Choice of students)**							
MTPJ649		Project	0	0	16	8	None	None	Engineering
RES703		Final Dissertation	0	0	40	20	None	None	Engineering
	Skill Enhancement Courses	**All are Compulsory**				**6**			
MTSE501		Technical Communication and Professional Development	3	0	0	3	None	None	Science
MTSE502		Quantitative Aptitude and Problem-Solving Strategies	3	0	0	3	MTSE501	None	Science
RES701	**Compulsory Research Course**	Research Methodology	2	0	0	2			Research
Programme Core Min. Credit Requirements --------->						**22**			
Course Code	**Category**	**Course Title**	**L**	**T**	**P**	**C**	**Pre/Co-Requisite**	**Anti-requisite**	**Course Discipline**
MTCSE501	Program Core	Agile Software Development	3	0	0	3	None		Engineering
MTCSE502	Program Core	Java for Enterprise Applications	3	0	2	4	None		Engineering
MTCSE503	Program Core	Computer Networking and security	3	0	0	3	None		Engineering
MTCSE601	Program Core	Advanced Data Structures	3	0	2	4	None		Engineering
MTCSE504	Program Core	Machien Learning for AI	3	0	2	4	None		Engineering
MTCSE602	Program Core	Advanced DataBase Management System	4	0	0	4	None		Engineering
Specialization Electives Min. Credit Requirements ---------->						**18**			
Course Code	**Category**	**Course Title**	**L**	**T**	**P**	**C**	**Pre/Co-Requisite**	**Anti-requisite**	**Course Discipline**
MTCSE604	Program Elective	Advanced AI with Generative Models	3	0	0	3	None		Engineering
MTCSE514	Program Elective	Deep Learning	3	0	2	4	None		Engineering
MTCSE515	Program Elective	Text and Speech Analytics	3	0	0	3	None		Engineering
MTCSE516	Program Elective	Natural Language Processing	3	0	2	4	None		Engineering
MTCSExxx	Program Elective	Ethics and Explainable AI	3	0	0	3	None		
MTCSExxx	Program Elective	Reinforcement Learning	3	0	0	3	MTCSE514		
MTCSE517	Program Elective	Computer Vision	3	0	2	4	None		Engineering
Open Electives Min. Credit Requirements ---------->						**4**			
Course Code	**Category**	**Course Title**	**L**	**T**	**P**	**C**	**Pre/Co-Requisite**	**Anti-requisite**	**Course Discipline**
Any Course after fulfilling Programme Core & Unified Core requirements without duplicity can be taken as Open Elective									

Credit Distribution -1

CSE AIML	**Credits**
School Core Courses	**36**
Skill Enhancement Courses	6
Research Methodology	2
Projects and Dissertations	28
Program Core Courses	**22**
Program/ Specialization Elective Courses	**18**
Open Elective Courses	**4**
Total Credits	**80**