



**4-Year Bachelor of Technology (B.Tech.) Curriculum**  
**and Syllabus for Mechanical Engineering with AI**  
**Fifth Semester**

CourseCode	CourseTitle	ContactHrs./Week			Credit
		L	T	P	
<b>Theory</b>					
TIUSD-501	Career Advancement & Skill Development-V : Computer Vision and Natural Language Processing (NLP)	2	1	0	3
TIUME-501	Kinematics of Machines	2	1	0	3
TIUME-502	Heat Transfer	3	1	0	4
TIUME-503	Metal Cutting and Machine Tools	2	1	0	3
TIUME-504	Material Science and Engineering	2	1	0	3
TIUME-505	Fluid Machinery-I	2	1	0	3
<b>Practical</b>					
TIUME-591	AutoCAD Laboratory	0	0	3	2
TIUME-592	Heat Transfer Laboratory	0	0	3	2
TIUME-593	Fluid Machinery Laboratory	0	0	3	2
<b>Sessional</b>					
TIUCSL-581	Entrepreneurship Skill Development-V	0	0	3	2
<b>Total Credits</b>					<b>27</b>

ApprovedBy:  
ExternalExpert

VC

Registrar

DeanofAcademics

MentoroftheDept.

HOD