

**S.Y. B. Tech (Mechanical) Structure Semester IV**

Course Code	Name of Course	Course Category (As per NEP2020)	Teaching Scheme				Credits	Evaluation Scheme					Total Marks		
			L	T	P	Total		Theory			Practical				
								TAE	CAE	ESE	INT	EXT			
24UMEL401	Fluid Mechanics	Program Core Course (PCC)	03	-	-	03	03	10	15	50	-	-	75		
24UMEP401	Fluid Mechanics Laboratory	Program Core Course (PCC)	-	-	02	02	01	-	-	-	-	-	25		
24UMEL402	Theory of Machines	Program Core Course (PCC)	03	-	-	03	03	10	15	50	-	-	75		
24UMEP402	Theory of Machines Laboratory	Program Core Course (PCC)	-	-	02	02	01	-	-	-	-	-	25		
24UMEL403	Differential and Integral Calculus	Program Core Course (PCC)	02	-	-	02	02	10	15	50	-	-	75		
24UMEXXXXX	M-II	Multidisciplinary Minor - II	02	-	-	02	02	-	-	50	-	-	50		
24UXXXXXXX	OE-II	Open Elective (OE) -II (Other Program)	02	-	-	02	02	10	15	25	-	-	50		
24UMEP405	Modelling and Drafting Laboratory	Vocational and Skill Enhancement Course (VSEC)	-	-	04	04	02	-	-	-	50	-	50		
24UBSP406	Corporate Communication	Ability Enhancement Course (AEC)	-	-	04	04	02	-	-	-	25	-	25		
24UESP407	Entrepreneurship Awareness II	Entrepreneurship/ Economics/ Management Course	-	-	04	04	02	-	-	-	25	-	25		
24UVEP408	Environment Studies	Value Education (VEC-I)	-	-	04	04	02	-	-	-	25	-	25		
	Total		12	-	20	32	22	40	60	225	125	50	500		