

BIRLA INSTITUTE OF TECHNOLOGY- MESRA, RANCHI
NEW COURSE STRUCTURE - To be effective from academic session 2020- 21
Based on CBCS system & OBE model
Recommended scheme of study
(For Minor in Mechanical Engineering)

Semester of Study	Course Level	Course Code	Course Name	Mode of delivery & credits <i>L-Lecture; T-Tutorial; P-Practical</i>			Total Credit C- Credit	
				L <i>(Periods/ week)</i>	T <i>(Periods/ week)</i>	P <i>(Periods/ week)</i>		C
THEORY								
FIFTH	PC	ME201	Thermodynamics	3	0	0	3	
		ME203/ ME353	Fluid Mechanics & Hydraulic Machines/Computational Fluid Dynamics	3	0	0	3	
		LABORATORIES						
		ME202	Fluid Mechanics & Hydraulic Machines Lab	0	0	3	1.5	
		Total						7.5
THEORY								
SIXTH	PC	ME205/ ME355	Strength of Materials/ Advanced Solid Mechanics	3	1	0	4	
		ME301	IC Engines & Gas Turbines	3	0	0	3	
		LABORATORIES						
		ME304	Internal Combustion Engines Lab	0	0	3	1.5	
		Total						8.5
THEORY								
SEVENTH	PC	ME211	Machine Design	3	0	0	3	
		LABORATORIES						
		ME406	Computer Aided Design & Drafting Lab	0	0	3	1.5	
Total						4.5		
GRAND TOTAL						20.5		
<i>Minimum requirement for minor degree award</i>								