



ODISHA UNIVERSITY OF TECHNOLOGY AND RESEARCH

Techno Campus, Mahalaxmi Vihar, Ghatikia, Bhubaneswar-751029.

Syllabus Structure (Admission Batch: 2023-24)

School/ Department: School of Mechanical Sciences

Programme: Mechanical Engineering

Abbreviation used:

AC	Audit course	LC	Laboratory Course	PA	Practical Assessment
PC	Professional Core	PR	Project/ Practical/ Internship	L	Lecture
PE	Professional Elective	SE	Seminar/ Expert Lecture/ Etc.	T	Tutorial
OE	Open Elective	IA*	Internal Assessment	P	Practical
MC/BS/HS	Mandatory/ Common Course	EA	End-Semester Assessment		
ACC	Advanced Competency Course				

*Internal Assessment Mark (40 marks) consists of (i) Mid Semester (20 marks), (ii) Quiz/ Assignment/Attendance (20 marks)

3rd Semester

Sl. No.	Subject Type	Subject Code	Subject Name	Teaching Hours			Credit	Maximum Marks			
				L	T	P		IA	EA	PA	Total
1	BS	BH2459	Mathematics – III	3	0	0	3	40	60	-	100
2	PC	MS2101	Kinematics and Dynamics of Machines	3	0	0	3	40	60	-	100
3	PC	MS2103	Applied Thermodynamics	3	0	0	3	40	60	-	100
4	PC	MS2105	Introduction to Material Science	3	0	0	3	40	60	-	100
5	ACC	MS2107	Modern Robotics	3	0	0	2	40	60	-	100
6	HS	BH2437	Organizational Behaviour	3	0	0	2	40	60	-	100
7	LC	MS2501	Material Testing Laboratory	0	0	3	1.5	-	-	100	100
8	LC	MS2503	Thermal Engineering Laboratory-1	0	0	3	1.5	-	-	100	100
9	LC	MS2505	Machine Dynamics Laboratory	0	0	3	1.5	-	-	100	100
10	ACC	MS2507	Mechatronics and Robotics Laboratory	0	0	3	1.5	-	-	100	100
Total				18	0	12	22	240	360	400	1000