

Name of the M.Tech. Programme	Industrial Tribology and Maintenance Engineering
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Distribution of Total Credits

Program Core (PC)	Program Elective (PE)	Open Elective (OE)	Total Credits
43	12	6	61

Scheduling of Courses

Semester I					
S.No.	Course No.	Title	Type	L-T-P	Credits
1.	ITL711	Reliability, Availability and Maintainability (RAM) Engineering	PC	3-0-0	3
2.	ITL703	Fundamentals of Tribology	PC	3-0-2	4
3.	ITL705	Materials for Tribological Applications	PC	3-0-0	3
4.	ITL709	Maintenance Planning and Control	PC	3-0-0	3
5.		Programme Elective I / Programme Elective II / Open Elective I	PE PE / OE	3-0-0 3-0-0	3 -
		Total Credits			19

Semester II					
S.No.	Course No.	Title	Type	L-T-P	Credits
1.	ITL702	Diagnostic Maintenance and Monitoring	PC	3-0-2	4
2.	ITL714	Failure Analysis and Repair	PC	3-0-2	4
3.	ITL710	Design of Tribological Elements	PC	3-0-2	4
4.		Programme Elective II / III	PE	3-0-0	3
5.		Programme Elective IV / Open Elective	PE	3-0-0	3
		Total Credits			18

Semester III					
S.No.	Course No.	Title	Type	L-T-P	Credits
1.	JID801	Major Project Part 1	PC	0-0-12	6
2.		Open Elective I / Programme Elective III	OE / PE	3-0-0	3
3.		Open Elective - III	OE	3-0-0	3
		Total Credits			12

Semester IV					
S.No.	Course No.	Title	Type	L-T-P	Credits
4	JID802	Major Project Part 1	PC	0-0-24	12
		Total Credits			12

Programme Elective Courses

S.No.	Course No.	Title	L-T-P	Credits
1.	ITL716	Computer Application in Maintenance Management	2-0-2	3
2.	ITL717	Corrosion and its Control	3-0-0	3
3.	ITL730	Lubricants	2-0-2	3
4.	ITL740	Risk Analysis and Safety	2-1-0	3
5.	ITL752	Bulk Materials Handling	2-0-2	3
6.	ITL760	Noise Monitoring and Control	2-0-2	3
7.	ITL770	Design for Maintenance	2-0-2	3
8.	ITL810	Bearing Lubrication	2-0-2	3
9.	JIS800	Independent Study	0-3-0	3