

**GURU NANAK DEV ENGINEERING COLLEGE LUDHIANA**

\*an autonomous college under UGC act {2(f) and 12(b)}

Affiliated to PUNJAB TECHNICAL UNIVERSITY

**M.Tech (Production)****COURSE SCHEME**

Sr. No.	Subject Code	Course Title	Type	L-T-P	Credits
1	MTPE501	Metal casting	Core	4-0-0	4
2	MTPE502	Metal cutting	Core	4-0-0	4
3	MTPE503	Metal forming	Core	4-0-0	4
4	MTPE504	Welding technology	Core	4-0-0	4
5	MTPE505	Computer aided design & manufacturing	Core	4-0-0	4
6	MTPE506	Non conventional machining	Core	4-0-0	4
7	MTPE507	Lab-I*	Core	0-0-4	2
8	MTPE508	Lab-II*	Core	0-0-4	2
9	MTPE509	Pre thesis seminar*	Core	0-0-4	4
10	MTPE510	Pre thesis project*	Core	0-0-4	4
11	MTPE511	Thesis*	Core	0-0-14	14
12	MTPE601	Jig fixture & die design	Prog. Elective	3-0-0	3
13	MTPE602	Production planning & control	Prog. Elective	3-0-0	3
14	MTPE603	Machine tool design	Prog. Elective	3-0-0	3
15	MTPE604	Cutting tool design	Prog. Elective	3-0-0	3
16	MTPE605	Industrial tribology	Prog. Elective	3-0-0	3
17	MTPE606	Diagnostic maintenance & monitoring	Prog. Elective	3-0-0	3
18	MTPE607	Advance operation research	Prog. Elective	3-0-0	3
19	MTPE608	Management of production systems	Prog. Elective	3-0-0	3
20	MTPE609	Simulation of industrial systems	Prog. Elective	3-0-0	3
21	MTPE610	Materials technology	Prog. Elective	3-0-0	3
22	MTPE611	Mechatronics	Prog. Elective	3-0-0	3
23	MTPE612	Robotics & industrial automation	Prog. Elective	3-0-0	3
24	MTPE613	Metrology & industrial inspection	Prog. Elective	3-0-0	3
25	MTPE614	Computer aided process planning	Prog. Elective	3-0-0	3
26	MTPE615	Methods engineering & ergonomics	Prog. Elective	3-0-0	3
27	MTPE616	Product design & development	Prog. Elective	3-0-0	3
28	MTPE617	Enterpreunership	Prog. Elective	3-0-0	3
29	MTPE618	Statistics & reliability engineering	Prog. Elective	3-0-0	3
30	MTIE601	Research methodology	Prog. Elective	3-0-0	3

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