

GOVERNMENT POLYTECHNIC JAIPUR
LESSON PLAN
TH-1 MANUFACTURING PROCESSES (MEPC201)

W	Month	U	Main Topic	Sub-topic 1	Sub-topic 2	H
1	July	I	Cutting Fluids & Lubricants	Types, properties and applications	Classification of lubricants and machining uses	3
2	July	I	Lathe Operations	Lathe parts and functions	Turning, facing, boring, threading, taper turning	3
3	July	I	Lathe Practice	Cutting tools and tool nomenclature	Basic machining examples	3
4	August	II	Broaching Machines	Types and construction	Broaching tools and applications	3
5	August	II	Drilling Machines	Radial drilling machine and operations	Drills, reamers and specifications	3
6	August	III	Gas & Arc Welding	Welding flames and applications	TIG, MIG, resistance and submerged arc welding	3
7	September	III	Milling	Types of milling machines	Milling operations, cutters and indexing	3
8	September	III	Milling Practice	Work holding devices	Simple machining problems	3
9	October	IV	Gear Making	Gear manufacturing methods	Gear hobbing and gear finishing	3
10	October	IV	Press Working	Presses and press operations	Punch, die and clearance concepts	3
11	October	IV	Applications	Heat treatment of gears	Industrial examples	3
12	November	V	Grinding	Grinding wheels and specifications	Surface, cylindrical and centreless grinding	3
13	November	V	Finishing Processes	Honing, lapping and superfinishing	Polishing and buffing	3
14	November	V	Protective Coatings	Electroplating, galvanizing, painting	Industrial coating methods	3
15	November	V	Revision	Important questions and numericals	Course completion	3

Tot 45

Course Teacher HOD

Jamejay Sarangi

Principal

