

LESSON PLAN.								
4TH SEMESTER W.E.F-14/02/2023 Total Period :- 60								
SUBJECT-MANUFACTUREING TECHNOLOGY (Sub code-TH-2) Theory periods: 4 P/WEAKLY								
Teacher :- CHANDRASEKHAR DASH (PTGF, MECHANICAL ENGINEERING DEPT.)								
SL NO	MONTH	Week	Date	UNIT NO/PERIOD ALLOTTED	Topic to be covered as per Syllabus	Topic actually covered as	Short fall if any/syllabus	Remarks
1	F E B R U A R Y	3RD	14-02-2023	4	1.0 Tool Materials	covered		
2			15-02-2023		Composition of various tool materials	covered		
3			17-02-2023		Physical properties& uses of such tool materials.	covered		
4		20-02-2023	Physical properties& uses of such tool materials.		covered			
5		4TH	21-02-2023	6	2.1 Cutting Tools	covered		
6			22-02-2023		Cutting action of various and tools such as Chisel, hacksaw blade, dies and reamer	covered		
7			24-02-2023		Turning tool geometry and purpose of tool angle	covered		
8		5TH	27-02-2023		Machining process parameters (Speed, feed and depth of cut)	covered		
9			28-02-2023		Coolants and lubricants in machining and purpose	covered		
10	M A R C H	1ST	01-03-2023		8	Coolants and lubricants purposes	covered	
11			03-03-2023	3.0 Lathe Machine		covered		
12		2ND	06-03-2023	Construction and working of lathe and CNC lathe, Major components of a lathe and their function	covered			
13			07-03-2023	Operations carried out in a lathe(Turning, thread cutting, taper turning, internal machining, parting off, facing, knurling), Safety measures during machining	covered			
14			08-03-2023	Capstan lathe Difference with respect to engine lathe Major components and their function Define multiple tool holders	covered			
15			10-03-2023	Turret Lathe	covered			
16		3RD	13-03-2023	Difference with respect to capstan lathe	covered			
17			14-03-2023	Turret Lathe Major components and their function	covered			
18			15-03-2023	Draw the tooling layout for preparation of a hexagonal bolt &bush	covered			
19		4TH	17-03-2023	6	4.0 Shaper	covered		
20			20-03-2023		Potential application areas of a shaper machine Major components and their function			
21	21-03-2023		Explain the automatic able feed mechanism		covered			
22	22-03-2023		Explain the construction &working of tool head		covered			

23		24-03-2023		Explain the quick return mechanism through sketch	covered		
24		27-03-2023		State the specification of a shaping machine	covered		
25		28-03-2023		5.0 Planning Machine	covered		
26	5TH	29-03-2023		Application area of a planer and its difference with respect to shaper	covered		
27		31-03-2023	6	Major components and their functions	covered		
28		03-04-2023		The table drive mechanism	covered		
29		04-04-2023		Working of tool and tool support	covered		
30	2ND	05-04-2023		Clamping of work through sketch.	covered		
31		07-04-2023		6.0 Milling Machine	covered		
32		10-04-2023		Types of milling machine and operations performed by them and also same for CNC milling machine	covered		
33	3RD	11-04-2023		Explain work holding attachment	covered		
34		12-04-2023	8	Construction & working of simple dividing head, universal dividing head	covered		
35		14-04-2023		Procedure of simple and compound indexing			
36		17-04-2023		Procedure of simple and compound indexing			
37	4TH	18-04-2023		Illustration of different indexing methods			
38		19-04-2023		Illustration of different indexing methods			
39		21-04-2023		7.0 Slotter			
40		24-04-2023		Introduction			
41	5TH	25-04-2023	6	Major components and their function			
42		26-04-2023		Construction			
43		28-04-2023		working of slotter machine			
44		01-05-2023		Tools used in slotter			
45		02-05-2023		8.0 Grinding			
46	1ST	03-05-2023		Significance of grinding operations			
47		05-05-2023		Manufacturing of grinding wheels			
48		08-05-2023	6	Criteria for selecting of grinding wheels			
49	2ND	09-05-2023		Specification of grinding wheels with example			
50		10-05-2023		Working of Cylindrical Grinder			
51		12-05-2023		Surface Grinder, Centreless Grinder			
52		15-05-2023		9.0 Internal Machining operations			
53	3RD	16-05-2023		Working of Bench drilling machine			
54		17-05-2023		Pillar drilling machine Radial drilling machine			
55		19-05-2023	6	Boring Basic Principle of Boring			
56		19-05-2023		Different between Boring and drilling			
57		22-05-2023		Broaching Types of Broaching(pull type, push type) Advantages of Broaching and applications			
58	4TH	22-05-2023	4	10 Surface finish, lapping			
59		23-05-2023		Definition of Surface finish explain their specific cutting.			
60		23-05-2023		Revision			
		23-05-2023		Revision			

Chandrasekhar Dash