25000		CLINANACO	1022	LESSON PLAN				
SESSION SEMESTER		SUMMER 2023 4TH						
			AL ENGIN	FEDING				
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SUBJEC				ECHNOLOGY				
LECTURER SL NO. MONTH		Er. SANJAY KUMAR MISHRA &Er KANHU MALLIK						
SL NO.	MONTH	CHAPTER NO.	DATE	TOPICS TO BE COVERED	NO. OF ACADEMIC DAYS AVAILABLE FOR THE SUBJECT	% COVERED		
			23.2.23	1.1 Composition of various tool materials 1.2 Physical				
				properties& uses of such tool materials.				
		1	24.2.23	1.1 Composition of various tool materials 1.2 Physical properties& uses of such tool materials.				
1 Feb-2	Feb-23		25.2.23	1.1 Composition of various tool materials 1.2 Physical properties& uses of such tool materials.	5	9%		
	_	2	27.2.23	2.1 Cutting action of various and tools such as Chisel, hacksaw blade, dies and reamer				
*		_	28.2.23	2.1 Cutting action of various and tools such as Chisel, hacksaw blade, dies and reamer	7			
	Mar-23	2	1.3.23	2.3 Turning tool geometry and purpose of tool angle	V.			
			2.3.23	2.3 Turning tool geometry and purpose of tool angle				
			3.3.23	2.5 Machining process parameters (Speed, feed and depth of cut)				
			4.3.23	2.6 Coolants and lubricants in machining and purpose				
2			6.3.23	3.1 Construction and working of lathe and CNC lathe Major components of a lathe and their function				
			9.3.23	3.1 Construction and working of lathe and CNC lathe Major components of a lathe and their function	24	43%		
		3	10.3.23	3.1 Operations carried out in a lathe(Turning, thread cutting, taper turning, internal machining, parting off, facing, knurling) Safety measures during machining				
			11.3.23	3.1Operations carried out in a lathe(Turning, thread cutting, taper turning, internal machining, parting off, facing, knurling) Safety measures during machining				

			- 185 4 E			
			13.3.23	3.2 Capstan lathe 🛭 Difference with respect to engine	+1 ¹ 0 + 2 (² 1)	
			14.3.23	lathe		
			15.3.23	3.2 Major components and their function		V 0 = 00
		2	16.3.23	3.2Define multiple tool holders		
		3	10.3,23	3.3 Turret Lathe Difference with respect to capstan lathe		1
i.	477 F 5		17.3.23	3.3 Major components and their function		
			18.3.23	3.4 Draw the tooling layout for preparation of a		
				hexagonal bolt &bush		
			20.3.23	4.1 Potential application areas of a shaper machine		
			21.3.23	4.2 Major components and their function		
2	Mar-23		22.3.23	4.3 Explain the automatic able feed mechanism	24	43%
			2210120	4.5 Explain the automatic able feed mechanism		
		4	23.3.23	4.4 Explain the construction &working of tool head		
			24.3.23	4.5 Explain the quick return mechanism through sketch		
			25.3.23	4.6 State the specification of a shaping machine.		1
			27.3.23	5.1 Application area of a planer and its difference with respect to shaper		
		- 5	28.3.23	5.2 Major components and their functions		
			29.3.23	5.3 The table drive mechanism		V
			31.3.23	5.4 Working of tool and tool support		
		5	3.4.23	5.5 Clamping of work through sketch		
			4.4.23	6.1 Types of milling machine and operations		
				performed by them and also same for CNC milling		
				machine		
			5.4.23	6.2 Explain work holding attachment		
		6	6.4.23	6.3 Construction & working of simple dividing head, universal dividing head		
			8.4.23	6.4 Procedure of simple and compound indexing		
	-		10.4.23	6.5 Illustration of different indexing methods		
3	Apr-23	,	11.4.23	7.1 Major components and their function	15	27%
		7	12.4.23	7.2 Construction and working of slotter machine		
			13.4.23	7.3 Tools used in slotter		
			24.4.23	8.1 Significance of grinding operations		
			25.4.23	8.2 Manufacturing of grinding wheels		
		8	26.4.23	8.3 Criteria for selecting of grinding wheels		
			27.4.23	8.4 Specification of grinding wheels with example		
			20 4 22	Working of ② Cylindrical Grinder 8.4 Surface Grinder ② Centreless Grinder		
		0	28.4.23	Classification of drilling machines 9.1 Working of		
		9	29.4.23	Bench drilling machine		
			1.5.23	Classification of drilling machines 9.1 Working of 2		
			1.5.25	Bench drilling machine		
4	May-23	9	2.5.23	② Pillar drilling machine	11	21%
1 4 1 1			3.5.23	2 Radial drilling machine		

		- 10 To 10 T	4.5.23	9.2 Boring @ Basic Principle of Boring		
			6.5.23	Different between Boring and drilling		
		9	8.5.23	9.3 Broaching @ Types of Broaching(pull type, push		140 2 4 7
		V V, 10	E , 1 E	type)		
		pie 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.5.23	Advantages of Broaching and applications		210/
	May 22		10.5.23	10.1 Definition of Surface finish	11	21%
4	May-23		11.5.23	10.1 Definition of Surface finish 10.2 Description of		
		10		lapping& explain their specific cutting		
			12.5.23	10.2 Description of lapping& explain their specific		
100			· mineral and in the control of the	cutting.	THE PROPERTY OF THE PARTY OF TH	
	1		13.5.23	REVISION		A design states of the own control control control of
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		BRIEF SUMMARY OF THE PLAN	
		UNIT/CHAPTER TO BE COVERED	% COVERAGE
SL. NO.	MONTH		9%
1	Feb-23	CH-1 & CH-2	43%
2	Mar-23	CH-2, CH-3, CH-4 & CH-5	
		CH-5, CH-6, CH-7, CH-8 & CH-9	27%
3	Apr-23		21%
1	May-23	CH-9 & CH-10	

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