

Discipline : MECHANICAL ENGG.	Semester : 4TH	Name of The Teaching Faculty : Er KAILASH PANDA
Subject Manufacturing Technology	No Of Days/Week Class Allotted 05	Semester From : 16.01.2024 To 26.04.2024 No. Of Weeks : 15
WEEKS	CLASS DAY	THEORY
16.01.2024	1 st	Introduction to Manufacturing technology
TO	2 nd	Composition of various tool materials
20.01.2024	3 rd	Physical properties& uses of such tool materials.
	4 th	Revision of the chapter
22.01.2024	1 st	Cutting action of various and tools such as Chisel,
TO	2 nd	NETAJI SUBASH CHANDRA BOSE JAYANTI
27.01.2024	3 rd	hacksaw blade, dies and reamer
	4 th	Turning tool geometry and purpose of tool angle
	5 th	REPUBLIC DAY
29.01.2024	1 st	Machining process parameters (Speed, feed and depth of cut)
TO	2 nd	Coolants and lubricants in machining and purpose
03.02.2024	3 rd	Revision of chapter
	4 th	Construction and working of lathe and CNC lathe
	5 th	Major components of a lathe and their function
05.02.2024	1 st	Operations carried out in a lathe(Turning, thread cutting, taper turning,)
TO	2 nd	internal machining, parting off, facing, knurling
10.02.2024	3 rd	Safety measures during machining
	4 th	Capstan lathe Difference with respect to engine lathe
	5 th	Major components and their function
12.02.2024 TO	1 st	Define multiple tool holders
17.02.2024	2 nd	Turret Lathe Difference with respect to capstan lathe
	3 rd	SARASWATI PUJA(VASANTA PANCHAMI)
	4 th	Major components and their function
	5 th	Draw the tooling layout for preparation of a hexagonal bolt &bush
19.02.2024	1 st	Revision of the chapter
TO	2 nd	Potential application areas of a shaper machine
24.02.2024	3 rd	Major components and their function
	4 th	Explain the automatic table feed mechanism
	5 th	Explain the construction &working of tool head
26.02.2024	1 st	Explain the quick return mechanism through sketch
TO	2 nd	State the specification of a shaping machine
02.03.2024	3 rd	Revision of the chapter
	4 th	Application area of a planer and its difference with respect to shaper
	5 th	Major components and their functions
04.03.2024	1 st	The table drive mechanism
TO	2 nd	PANCHAYAT RAJ DIVAS
09.03.2024	3 rd	Working of tool and tool support
	4 th	Clamping of work through sketch.
	5 th	MAHA SIVA RATRI
	1 st	Types of milling machine and operations
11.03.2024	2 nd	Explain work holding attachment

TO 16.03.2024	3 rd	Construction & working of simple dividing head
	4 th	Universal dividing head
	5 th	Procedure of simple and compound indexing
18.03.2024 TO 23.03.2024	1 st	Illustration of different indexing methods
	2 nd	Revision of chapter
	3 rd	Major components and their function
	4 th	Construction and working of slotter machine
	5 th	Tools used in slotter
25.03.2024 TO 30.03.2024	1 st	DOLO PURNIMA
	2 nd	HOLI
	3 rd	Revision of chapter
	4 th	Significance of grinding operations
	5 th	GOOD FRIDAY
01.04.2024 TO 06.04.2024	1 st	UTKAL DIVAS
	2 nd	Manufacturing of grinding wheels
	3 rd	Criteria for selecting of grinding wheels
	4 th	Specification of grinding wheels with
	5 th	Working of Cylindrical Grinder, Surface Grinder, Centreless Grinder
08.04.2024 TO 13.04.2024	1 st	Revision of the chapter
	2 nd	Classification of drilling machines
	3 rd	Working of Bench drilling machine
	4 th	ID UL FITRE
	5 th	Pillar drilling machine
15.04.2024 TO 20.04.2024	1 st	Radial drilling machine
	2 nd	Basic Principle of Boring
	3 rd	RAM NAVAMI
	4 th	Different between Boring and drilling
	5 th	Types of Broaching (pull type, push type)
22.04.2024 TO 27.04.2024	1 st	Advantages of Broaching and applications
	2 nd	Revision of chapter
	3 rd	Definition of surface finish
	4 th	Description of lapping & explain their specific cutting.
	5 th	Revision of chapter
		CLOSING OF ATTENDANCE

