



LESSON PLAN-(SUMMER-2023)
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

Discipline- MECHANICAL	Semester-4TH	Name of teaching faculty- Er. Ambika Satpathy
Subject- MT	No class allotted/ per week -4	SEM From date- 13.2.2023 TO 23.5.2023 No of weeks- 15
Week	Class day	Theory Topics
WEEK 1	13.02.2023	TOOL MATERIALS.
	14.02.2023	PHYSICAL PROPERTIES
	15.02.2023	CUTTING TOOL ACTION, CUTTING ACTION
	17.02.2023	ASSIGNMENTS
WEEK 2	20.02.2023	GEOMETRY OF CUTTING TOOL
	21.02.2023	ANGLES FOR DIFFERENT TOOL MATERIALS TO BE MACHINED
	22.02.2023	SPEED,FEED
	24.02.2023	COOLANT, LUBRICANT
WEEK 3	27.02.2023	TOOL GEOMETRY OF
	28.02.2023	LATHE OPERATIONS
	2.03.2023	LATHE OPERATIONS
	3.03.2023	SAFETY PRECAUTION
WEEK 4	6.03.2023	CAPSTAN LATHE
	9.03.2023	MULTIPLE TOOL HOLDERS
	10.03.2023	TURRET LATHE
	20.03.2023	TURRET AND CAPSTAN LATHE
WEEK 5	21.03.2023	TURRET INDEXING HEAD
	23.03.2023	HEXAGONAL BOLT AND BUSH
	27.03.2023	ADVANTAGES
	28.03.2023	FEED MECHANISMS
WEEK 6	29.03.2023	APPLICATION & INTRODUCTION OF SHAPER MACHINE
	31. 03.2023	COMPONENT OF SHAPER MACHINE
	3.04.2023	SHAPER MECHANISM
	5.04.2023	TOOL HEAD
WEEK 7	6.04.2023	QUICK RETURN MECHANISM
	11.04.2023	SPECIFICATION
	12.04.2023	PLAINING MACHINE
	13.04.2023	TABLE DRIVE MECHANISM
WEEK 8	17.04.2023	TOOL AND TOOL SUPPORT
	19.04.2023	CLAMPING OF WORK
	20.04.2023	ASSIGNMENTS
	24.04.2023	MILLING MACHINE
WEEK 9	25. 04.2023	WORK HOLDING ATTACHMENT
	26.04.2023	DIVIDING HEAD

WEEK 9	27.04.2023	UNIVERSAL DEVIDING HEAD
	28.04.2023	SIMPLE INDEXING
WEEK 10	01.05.2023	COMPOUND INDEXING
	02.05.2023	DIFFERENT PROBLEMS
	03.05.2023	INDEXING
	04.05.2023	SLOTTER
WEEK 11	08.05.2023	CONSRTUCTION AND WORKING
	10.05.2023	VARIOUS TOOLS
	11.05.2023	SIGNIFICANCE OF GRINDING .
	12.05.2023	GRINDING WHEEL
WEEK 12	15.05.2023	CRITERIA FOR SELECTION OF GRINDING WHEEL
	16.05.2023	SPECIFICATION , CYLINDRICAL GRINDER
	17.05.2023	SURFACE GRINDER
	18.05.2023	CENTERLESS GRINDER
WEEK 13	19.05.2023	DRILLING
	22.05.2023	BENCH DRILLING
	23.05.2023	PILAR DRILLING
HOD SIGN.		DEAN (Academic) SIGN. PRINCIPAL SIGN.