

COURSE TITLE : MACHINE SHOP PRACTICE
COURSE CODE : 422
COURSE CATEGORY : A
PERIODS/WEEK : 4
PERIODS/SEMESTER : 72
CREDITS : 2

TIME SCHEDULE

S. NO	TOPIC	PERIODS
1.	Lathe Work	21
2.	Shaping Practice	15
3.	Milling Practice	18
4.	Slotting Practice	12
5.	Planing Practice	6
Total		72

OBJECTIVES

Perform the various machine tools operations
 Perform special turning operation to produce machine handle eccentric turning, male & female fit, assembly.
 Practice the various operation of a shaper , milling machine and a planer.
 Perform key way-cutting , T – Slot cutting , gear cutting , spline cutting etc.
 Testing & inspection of machine tool operation, Dismantle and assemble machine tools.
 Recondition the parts, if needed.

CONTENT OUTLINE

MODULE I

Lathe Work

Lathe operations such as drilling, boring, threading, knurling etc.

MODULE II

Shaping Practice

Cube - V -Blocks, Key - way cuttings.

MODULE III

Milling Practice

Simple milling operations, Plain milling – side milling – vertical milling etc.

MODULE IV

Slotting practice

Splines on slotting machine

MODULE V

Planing Practice

Practice on planing machine.

