IARE

INSTITUTE OF AERONAUTICAL ENGINEERING

(An Autonomous Institute affiliated to JNTUH, Hyderabad)
Dundigal, Hyderabad - 500 043

LABORATORY WORK SHEET

Name of the Student : MAOKI SAI CHARAN

Class : CSM-C Semester : I st

Roll Number									
2	3	9	5	1	A	6	6	F	2

Course Code : AMED02 Course Name : Manufacturing Practice

Name of the Course Faculty : Mr. V. Mahidhar Reddy Faculty ID : IARE 10333

Exercise Number : 02 Week Number : 02 Date : 13 October 2023

DAY TO DAY EVALUATION:

Marks	Aim / Preparation	Algorithm / Procedure / Performance in the Lab	Source Code / Calculations and Graphs	Program Execution / Results and Error Analysis	Viva - Voce	Total
Max. Marks	4	4	4	4	4	20
Obtained	4	4	4	4	4	20

Signature of Faculty

START WRITING FROM HERE : MILLING

AIM : To make slot the slotting operation on a given specimen.

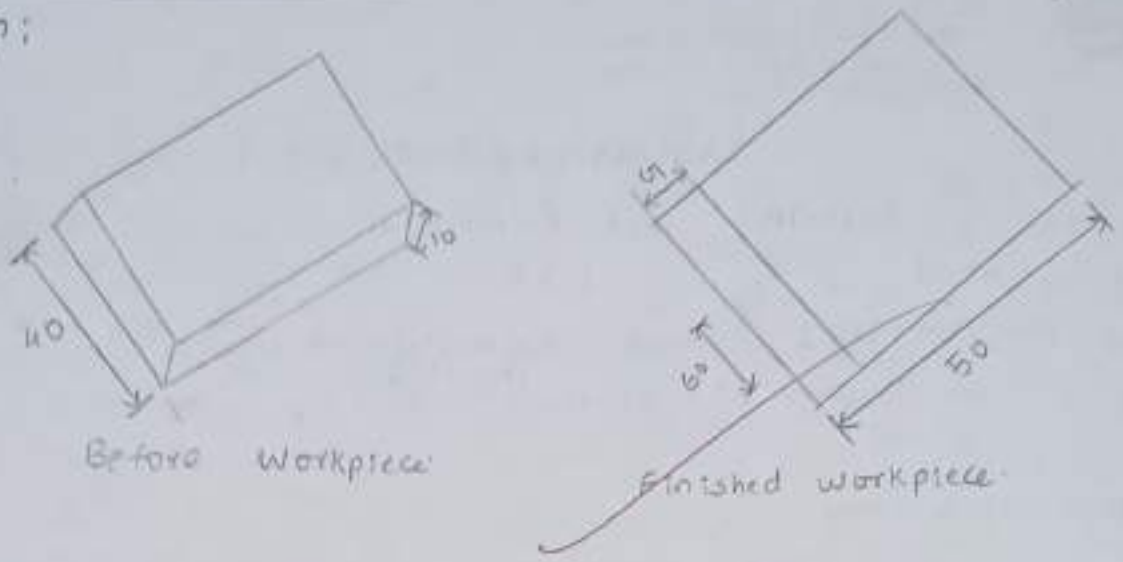
MATERIALS REQUIRED : (1) MILLING MACHINE
(2) WORK PIECE.

TOOLS REQUIRED :

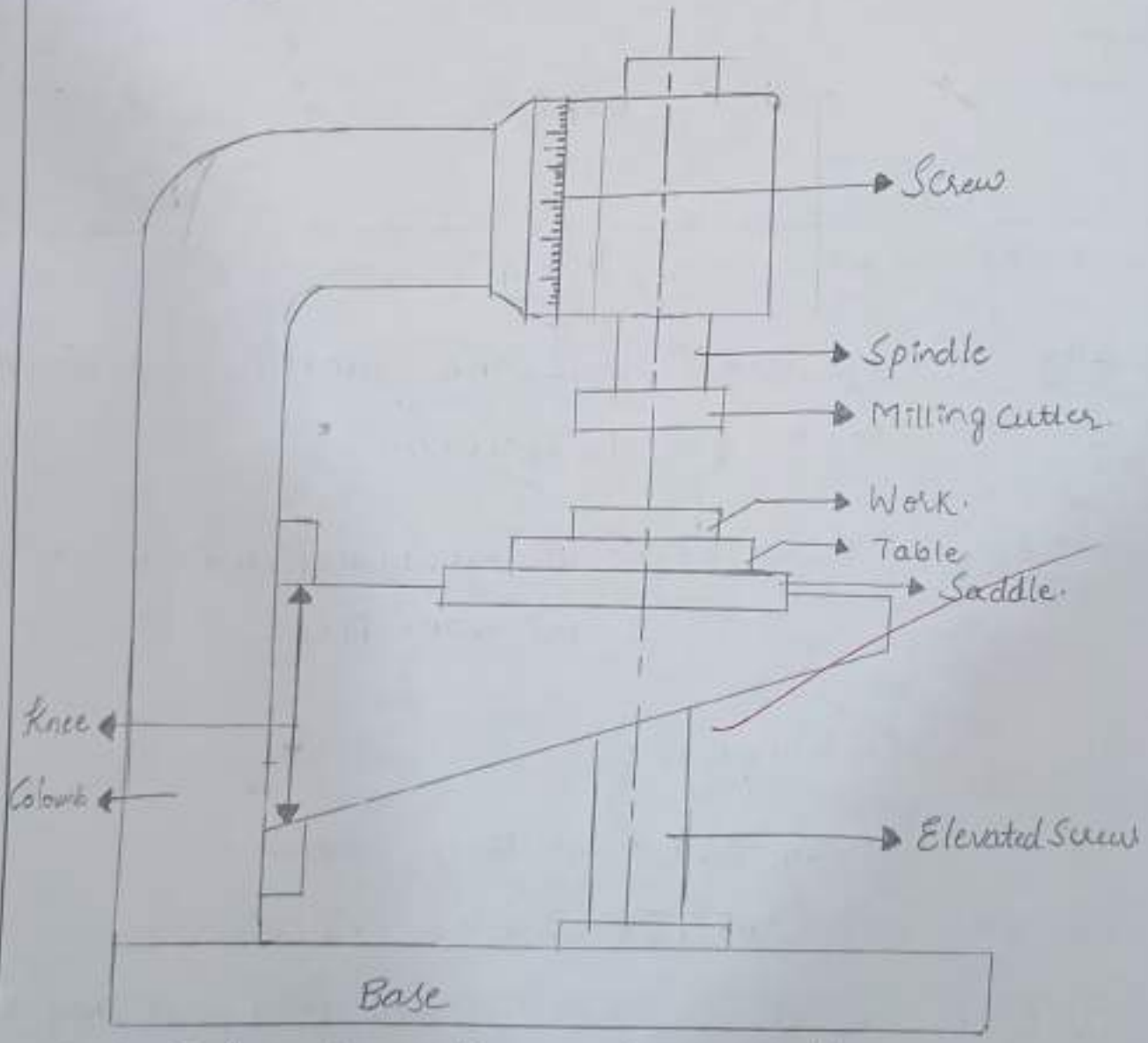
(1) Manufacturing tool : Milling machines
(2) Measuring tools : Vernier Callipers
(3) other tools : Chuck Key, tool post Key & Brush.

ROLL NUMBER : 23951A66F2

Diagram:



(All dimensions are in mm).



(A Column & Knee type milling machine).

PROCEDURE :

① Keep the workpiece on the working table in required positions with the help of holding device.

② Keep the cutting tool in spindle.

③ Move the workpiece, working table upwards to touch the surface of the workpiece

④ Then give the power supply.

⑤ Move the work table forward and backward with the help of leveler.

⑥ Repeat the same procedure by changing the feed rate in upwards and cross direction to get the required dimensions on the workpiece.

Precautions :

① Give small feed rate.

② move the work table slowly.

③ Fix the cutting tool properly.

Result : The required shape and slots are obtained on the workpiece.

verified