IARE

IARE
INSTITUTE OF AERONAUTICAL ENGINEERING
(An Autonomous Institute affiliated to JNTUH, Hyderabad)
Dundigal, Hyderabad - 500 043

LABORATORY WORK SHEET

Name of the Student :.....

Class..... B.tech CSE ..... Semester..... I .....

Course Code : AMED 03 .....Course Name : Engineering Graphics .....

Roll Number										

Name of the Course Faculty..... .....Faculty ID :.....

Exercise Number :..... 04 .....Week Number :..... 04 .....Date :..... .....

DAY TO DAY EVALUATION:

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

Signature of Faculty

START WRITING FROM HERE :

Parabola

Aim : To construct a parabola, when the distance of the focus from the directrix is 50mm.

Apparatus : Laptop , mouse , Auto cad.

Procedure :

i) Draw the directrix AB and the axis CD.

ii) Mark focus F on CD , 50mm from C.

iii) Bisect CF in V the vertex (because eccentricity = 1).

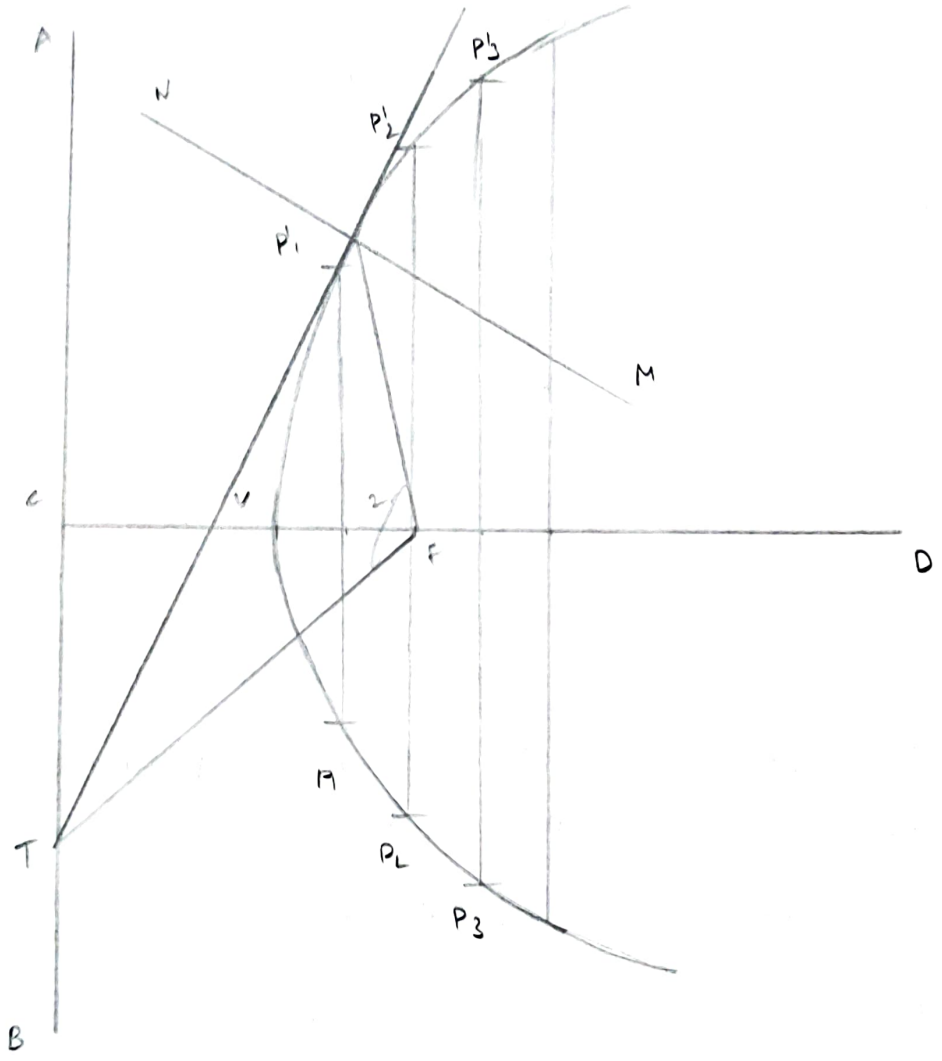
iv) Mark a number of points 1, 2, 3 etc. on the axis and through them, draw perpendiculars to it.

v) With centre F and radius equal to C1, draw arcs cutting the perpendicular through 1 at P_1 and P_1'.

ROLL NUMBER :

vi) Similarly, locate prints P_2 and P'_2, P_3 and P'_3 etc. on both the sides of the axis.

vii) Draw a smooth curve through these points. This curve is the required parabola. It is an open curve.



Directrix and focus