

# Lukhdhirji Engineering College, Morbi

## Department of Mechanical Engineering

Subject: CAD (3161903)

Sem.: 6th Sem.

Year: 2023-24

### List of Experiment

Sr. No.	Name of Experiment	COs
1	Prepare a programme for plotting lines and curves using algorithms learned.	CO1
2	Introductory exercise for 3-D modelling	CO2
3	Exercise for advanced 3-D modelling.	CO2
4	Exercise for 3-D editing options	CO3
5	Exercise for Assembly modelling	CO3
6	Exercise for FEA of 1-D structural problems	CO4
7	Exercise for FEA of trusses	CO4
8	Exercise for FEA using Beam Element	CO4
9	Exercise for FEA of 1-D thermal problems	CO4
10	Exercise for FEA of 2-D structural problems.	CO4
11	Exercise for developing the optimization model of machine element using Johnson Method.	CO5

Subject In-charge/

Dr M B Vaghela

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#### **Vision:**

- To deliver quality engineering education for Mechanical Engineers with Professional competency, Human values and Acceptability in the society.

#### **Mission:**

- To nurture engineers with basic and advance mechanical engineering concepts
- To impart Techno-Managerial skill in students to meet global engineering challenges
- To create ethical engineers who can contribute for sustainable development of society