#### **ME370: ADAMS LAB**

# Department of Mechanical Engineering, IIT Bombay





# **Session 3 Report**

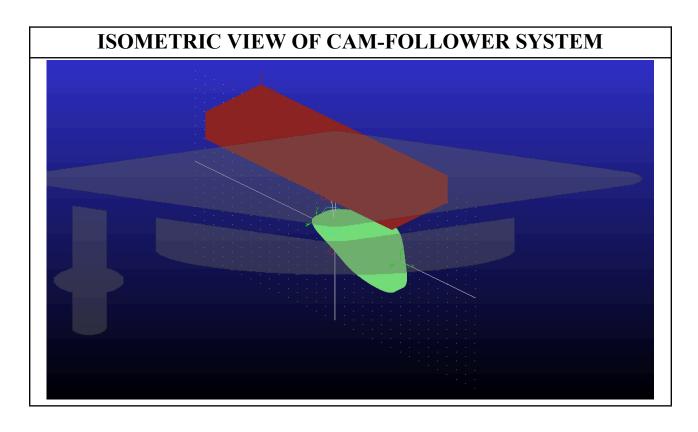
Name: Kavan Vavadiya

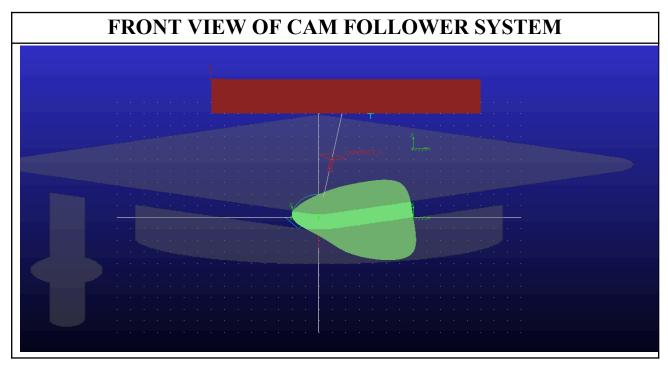
**Roll Number: 210100166** 

Date: January 7,2024

## **Given Information**

Roll Number	X/Offset Ratio
210100166	1.8226

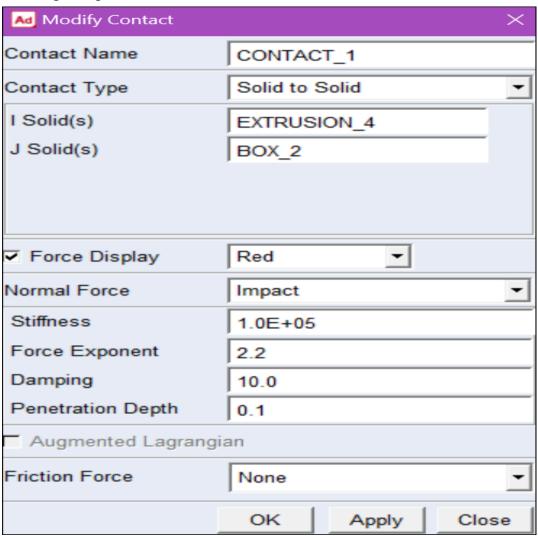


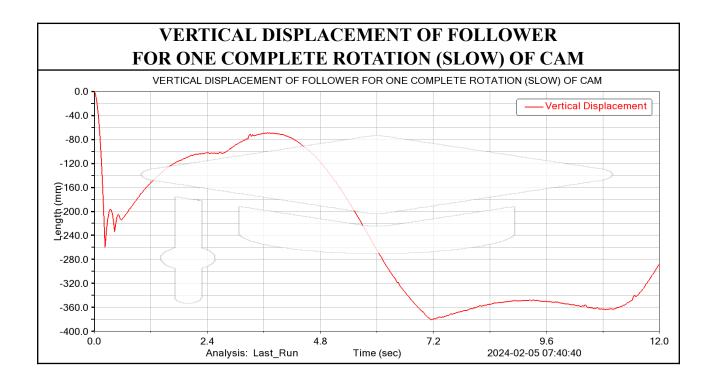


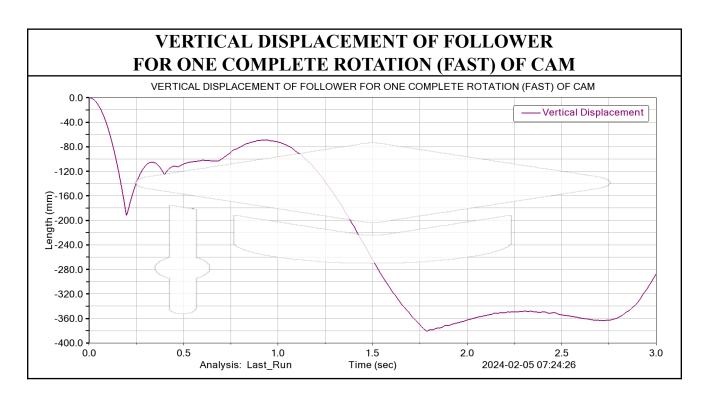
## **Question 1 (In the presence of Gravity)**

## **Contact Settings Used:**

Slow: 30 Degrees per second Fast: 120 Degrees per second



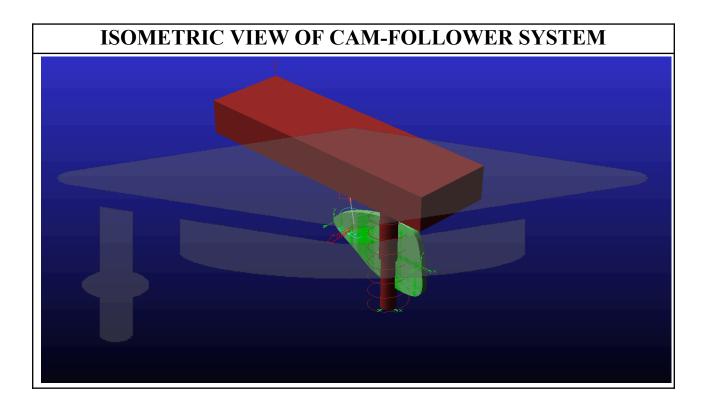


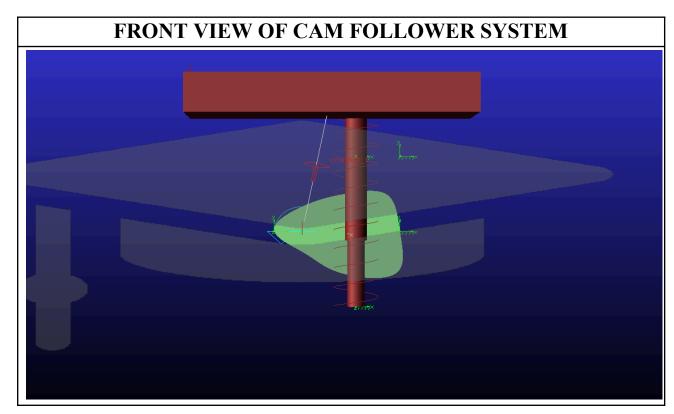


### **OBSERVATION:**

At a fast rotation speed, the follower moves vertically upward At a low rotation speed, the follower stays in touch with the CAM.

## **Question 2 (In the presence of Spring)**





#### **Contact Settings and spring properties Used:**

Speed: 30 Degrees per second

