

Department/ School Name: Department of Mechanical Engineering / SOET.

Academic Year: 2019-2020

Report on Expert Talk

1. Event Title: Expert Talk on "**Mode Shape & Modal Analysis of Mechanical Component**"

2. Event Date: 14th September 2019

3. Event Conduction Duration: 10:00AM to 12:00 PM

4. Event Venue: F 126 classroom, Y- Building, SOET, SUN.

5. Event Resource Person Details (Speaker name, Designation, company name/Institute name):

1) Mr. Kunal Shinde has done ME in Design and is professor in Sandip Foundation also he teaches Mechanical Vibration since last 10 years.

6. Name of Event Coordinator with contact details:

Mr. Niteen Bhirud (+91 9923391305) & Mr. G.V. Mahajan (+91 9960172419)

7. Event Outline & Outcome of the event:

Outline of Program: To give students an idea about Mode Shape design for vibration in mechanical component and terms related to it. So that they can apply their knowledge in day to day life.

Objective of Program: The objective of expert lectures is to teach students topics related to their subject by connecting dots with day to day life and use in their future. The topics covered were

1. What is vibration?
2. Types of vibration.
3. What is damping?
4. Types of Damping.
5. What is Degree of freedom?
6. Mode shapes.
7. Modal Analysis using software Package.

Output of Program: These expert talks help our students gain strong knowledge about things happening around us and apply knowledge according to it through experiential learning. Also it will help them in future.

8. Event photos which must include photos of Inauguration, felicitation, event conduction and valedictory ceremony:

