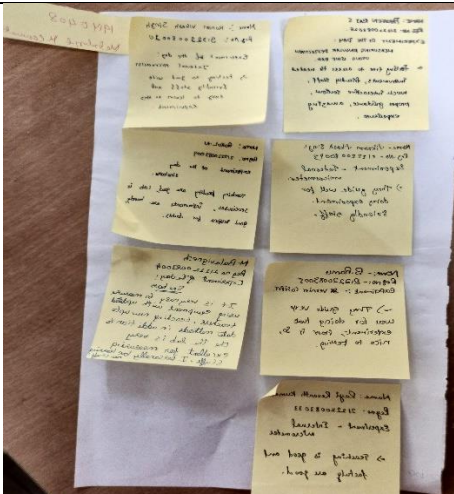




DEPARTMENT OF MECHANICAL ENGINEERING

ACTIVITY BASED LEARNING (2021-22)

Course Code & Course Title : 19ME408/ METROLOGY AND MEASUREMENTS
Year/Sem/Branch : I/II/MECHANICAL
Name of Faculty : Dr. KRIPA M SUVARNA
Designation : ASSOCIATE PROFESSOR
Unit Title : LINEAR AND ANGULAR MEASUREMENTS
Topic : SINE BAR
LO : Differentiate the principle, operation of various linear and angular measuring instruments
Bloom's Taxonomy Level : APPLY – K2

S.No.	Title	Description
1	Concept	Concept is to make the students, the angular measurements
2	Challenges Faced	(Difficulties faced by students while it was taught in conventional method) <ul style="list-style-type: none"> In conventional method, students did not understand the concept and its importance The students become less involved in knowing about the concept.
3	Name of the Activity	LAB PRACTICAL
4	Description of the Activity	<ul style="list-style-type: none"> Introduction about the topic: https://drive.google.com/file/d/1YN6Pe1fW9bI4bqN64MftlunMY9KbejE/view?usp=sharing .Additional document was shared to the students to give them detailed introduction about the topic. Students were given a day to finalize their topic of case study and a week time to prepare and submit a detailed report on the same. Students presented their case study online
5	Feedback from Learners (Consolidated)	

6	Feedback of the Faculty about this activity	(Previous experiences Vs Activity Based Teaching) <ul style="list-style-type: none"> ● Students were able to understand the importance of measurements in industrial sector. ● Students preparation on the topic helped them to know more about the topic (outside the syllabus)

Analysis Report Chart.

- Above 90% students found case study was interesting
- More than 85% of students rated above '4' for case study learning

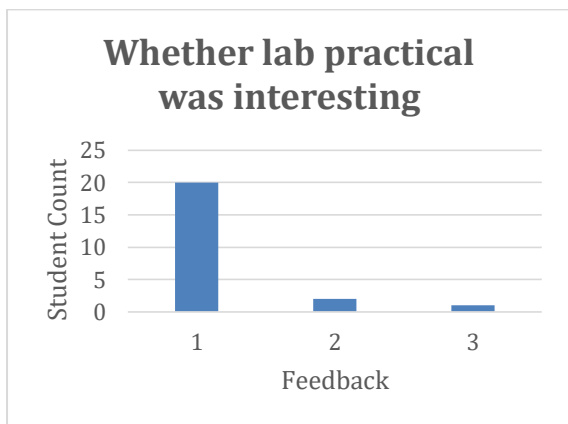


Fig-1 : Whether lab practical was interesting

Fig-2 : Student ratings for practical

Signature of the Course Faculty

Signature of HOD

Evidences/Proofs (To be attached along with this document)-Mandatory

{Photos taken during activity (or) Documents collected from Students (Charts, Crossword puzzles, Cards etc.,)}