



Department of Civil Engineering

Academic Year 2022– 2023 (Odd Semester)

Degree, Semester & Branch: III semester B.E Civil Engineering

Course Code & Title: CE3301 & Fluid Mechanics

Name of the Faculty member (s): Mrs.R.Kalaimani

Innovative Practice Description

Unit / Topic: Unit III / Types of Similarities

- Course Outcome: CO3
- Topic Learning Outcome: TLO11
- Activity Chosen: One minute paper
- Justification:

Types of similarities are a topic that involves the various dimension parameter of similarities. For that, I want to check the understanding level of the students that's why I have chosen One Minute Paper Activity for this topic.

- Time Allotted for the Activity: 3 minutes
- Details of the Implementation:
 - The Minute Paper is a very commonly used classroom assessment technique. It really does take about a minute and, while usually used at the end of class, it can be used at the end of any topic discussion..
 - I asked all students to take a piece of paper and made them to write various types similarities whatever they remember related to given topic.

- CO – PO / PSO mapping:

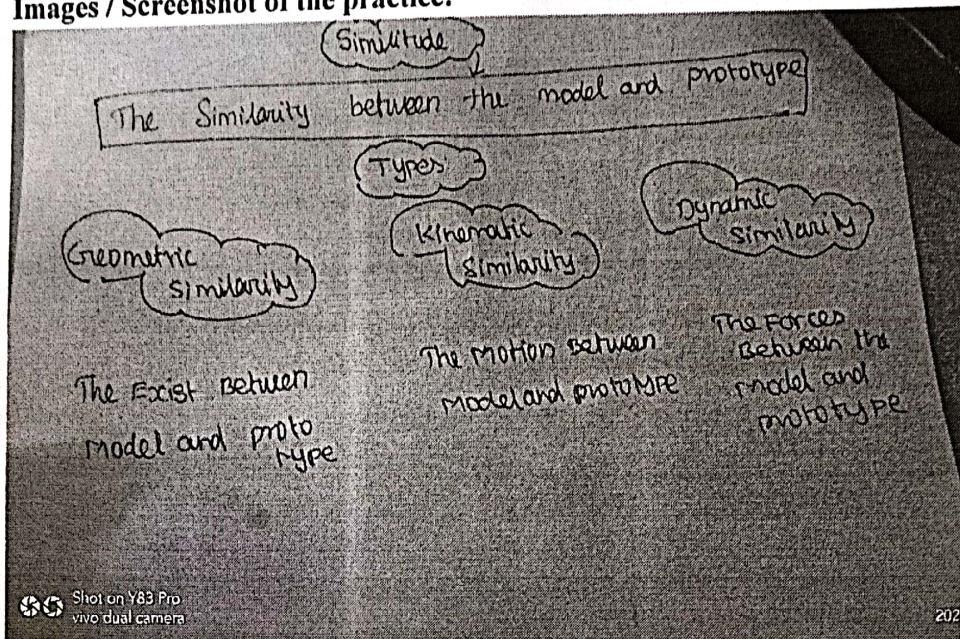
CO	PO1	PO2	PO9	PSO2
CO1	3	3	1	3

(1 – Low 2 – Moderate 3 – High)

- PO / PSO mapped:

Innovative practice	PO1	PO2	PSO2
Justification for correlation	Basic knowledge of the dimensional analysis can help the students to identify the model laws or similarity laws.	By analyzing the data the students should be able to find out relation between fluid variables through dimensional analysis technique	Derive the dimensionless parameters for different condition of flows

• Images / Screenshot of the practice:



• Reflective Critique:

❖ **Feedback of practice from students and other stakeholders:**

The students felt easy to remember and recollect the concepts involved in the given topic which will make them to attend the questions under this topic in Internal Assessment Test.

❖ **Benefit of the practice:** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)

- i. Minute papers activities are an effective way of involving all students in class simultaneously.
- ii. It prompts students to reflect on the day's lesson and provides the instructor with useful feedback.

❖ **Challenges faced in implementation:**

Initially, I have planned the activity for 3 minute but students have taken 5 minutes to write fluid types and draw the stress-strain graph

References:

- ❖ <https://blendedtoolkit.wisc.edu/wp-content/uploads/2016/09/Minute-Paper.pdf>
- ❖ Jain.A.K., "Fluid Mechanics" (Including Hydraulic Machines), Khanna Publishers, Twelfth Edition, 2016.

Signature of Faculty Member

HOD