

**Department of Civil Engineering**  
**Academic Year 2021– 2022 (Odd Semester)**

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

**Course Code & Title: CE8391& Construction Materials**

**Name of the Faculty member (s): Dr.M.Indhumathi**

**Innovative Practice Description**

- **Unit / Topic: Unit I / Bricks, Concrete Blocks**
- **Course Outcome: CO1**
- **Topic Learning Outcome: TLO1, TLO2, TLO3**
- **Activity Chosen: Quiz**

- **Justification:**

Since this is mainly based on the practically oriented paper, the quiz was very helpful to remember the technical matters. It also creates motivation among the students to score the marks.

- **Time Allotted for the Activity: 10 minutes**

- **Details of the Implementation:**

- i. Students are separated as a group, In each group, there are three members are appointed
- ii. Questions were asked to each group and passed the question to the next group if they didn't answer.
- iii. If they answered correctly 10 marks will be given to concerned group.

- **CO – PO / PSO mapping:**

CO	PO3	PO4	PO5	PO6	PO7	PO8	PSO2	PSO3
CO1	3	3	1	3	1	2	3	2

(1 – Low            2 – Moderate            3 – High)

- **PO / PSO mapped:**

Innovative practice	PO3	PO4	PO5	PO6	PO7	PO8	PSO2	PSO3
<b>Justification for correlation</b>	Meets the public Safety and environmental considerations	Quantity of materials used to arrive the design of elements	Optimization tools are used to get optimized quantity.	It acquires the contextual knowledge to access the public safety.	The materials are changing as per the societal and environmental contexts	Should meet the ethical standards while choosing the materials	Meets the project management Skills	Provide sustainable solutions to civil engineering problems



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**Innovative Practice Description**

- **Unit / Topic: Unit II / Lime and Cements**

- **Course Outcome: CO2**

- **Topic Learning Outcome: TLO4, TLO5**

- **Activity Chosen: Quiz**

- **Justification:**

Since this is mainly based on the practically oriented paper, the quiz was very helpful to remember the technical matters. It also creates motivation among the students to score the marks.

- **Time Allotted for the Activity: 10 minutes**

- **Details of the Implementation:**

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- **Images / Screenshot of the practice:**

Team A	Team B	Team C	Team D	Team E	Team F	Team G
		+				

- **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)

- Quiz activities are an effective way of involving all students in class simultaneously.
- 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 10 minutes but students have taken more than 10 minutes.

References:

1. <https://canvas.instructure.com/courses/3328112>

**Signature of Faculty Member**

**HOD**