



Department of Civil Engineering

Academic Year: 2021 - 2022 (Odd Semester)

Degree, Semester & Branch: VII semester B.E E.C.E – A&B, Mechanical – A&B

Course Code & Title: OEN751 & Green Building Design

Name of the Faculty member: Mr.J.Ramprashath

Innovative Practice Description

Unit / Topic: Unit - II / Implications of Building Technologies Embodied Energy of Buildings / Resources for Building Materials, Alternative Concepts

- **Course Outcome:** CO2
- **Topic Learning Outcome:** TLO6
- **Activity Chosen:** Quick Write
- **Justification:**

Most of the conventional building materials like concrete, steel, wood, paints, masonry units involves lot of embodied energy for their manufacture, transport, operation, disposal, etc which ultimately results in environmental implications. There are sustainably managed alternative building materials are now available for replacing the above conventional building materials. Hence, to assess the understanding of students on the above topic, I decided to give ‘Quick Write’ technique on the above topic.

- **Time Allotted for the Activity:** 3 minutes.
- **Details of the Implementation:**
 - Quick Write 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 in their own words about the topic at the end of the lecture.
- **CO – PO / PSO mapping:**

CO	PO1	PO7
CO1	3	3

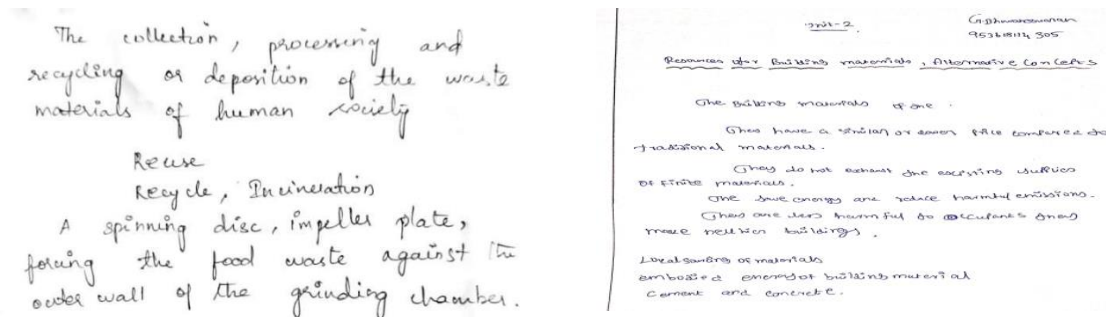
(1 – Low 2 – Moderate 3 – High)

- **PO mapped:**

Innovative practice	PO1	PO7
Justification for correlation	By understanding the importance of various resources for building materials and related alternative concepts, the students will be able to provide solutions for	Knowledge on various resources for building materials and related alternative concepts is very much essential for arriving at suitable solutions for various environmental and

	complex problems by applying the knowledge on alternative building materials.	sustainability related problems.
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• **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:**

- i. Quick Write is 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 minutes but students have taken 10 minutes to complete.

References:

- ❖ Sustainable Building Design Manual. Vol 1 and 2, Teri, New Delhi, 2004.