



Department of Civil Engineering

Academic Year 2023– 2024 (Odd Semester)

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

Course Code & Title: CCE331 & Air and Noise Pollution Control Engineering

Name of the Faculty member (s): Mr.V.Ragavan

Innovative Practice Description

Unit / Topic: Unit 5 / Noise Pollution and Control Measures

Course Outcome: CO5

- **Topic Learning Outcome:** TLO12
- **Activity Chosen:** Four Corner Four Questions
- **Justification:**

Noise Pollution and Control Measures is a topic that involves the sources, impacts of noise pollution and control measures of noise pollution. Before starting the control measures of noise pollution, want to assess the basic definition of noise pollution involved in this subject for better understanding level of the students that's why I have chosen four corner four questions for the above topic.

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

- **Details of the Implementation:**

- The Four Corner Four Questions is a very commonly used classroom assessment technique. It really does take about 10 minutes for listening and writing at the end of class.
- I asked all students to listen the Four Corner Four Questions and made them to write the answers for the questions within 10 minutes.

- **CO – PO / PSO mapping:**

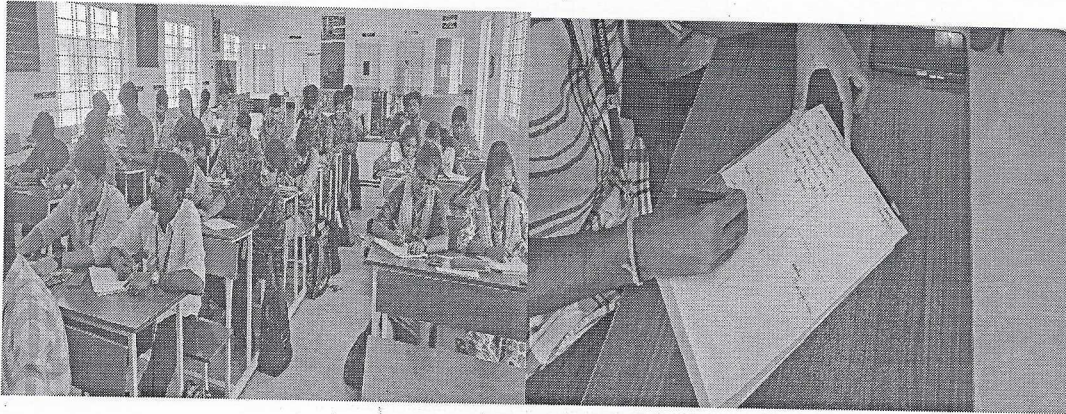
CO	PO6	PO7	PSO2
CO5	1	3	1

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO6	PO7	PSO2
Justification for correlation	Students can apply the knowledge to assess the indoor air pollutants as well as noise pollution and their impacts.	Students can be able to know how to develop sustainability of environmental based on the noise pollution and their impacts.	Design and modeling the Noise pollution control device that can be useful to assess the rate.

- Images / Screenshot of the practice:



Name of the Student : CS Ghansh Baga
 Register Number : 958621103012
 Subject Code & Name : CCE 331 Air and noise Pollution Control Engineering
 Topic Name : Noise Pollution and Control measures
 I.T.M : Four Corner and Four Questions

Industrial noise - road "Transport" noise - roads Neighbourhood noise - Community Transmitted through structural elements.	Sound Sound is heard via mechanical vibrations in air.	noise noise is mainly caused by reflection of sound waves back towards source.
	Some Control "Transmission path" reduction. Absorption Coef. Ceiling.	

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- Reflective Critique:

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

The students felt easy to remember and understand the concepts in the given topic which will make them to attend 2 marks 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)

- Four Corner Four Questions 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 15 minutes to solve the problem.

References:

- Noel De Nevers, "Air pollution control Engineering", McGraw Hill International Edition, McGraw Hill Inc, New Delhi, 2000.
- Air Pollution act, India, 1987


 Signature of Faculty Member


 HOD