



Department of Chemistry

Academic Year 2021 – 2022(Odd Semester)

Degree, Semester & Branch: B.E.V & EEE, MECHANICAL

Course Code & Title: OCE551 Air Pollution & Control Engineering

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

Innovative Practice Description

- **Unit / Topic:** Unit III / Factors affecting Selection of Equipment
- **Course Outcome:** CO3
- **Topic Learning Outcome:** TLO7
- **Activity Chosen:** Brainstorming
- **Justification:**
 - It Allows Creative Thinking
 - It Encourages Everyone's Viewpoints
 - It Involves Everybody
 - Its Swift and Easy
 - It Sets a Learning Baseline

Time Allotted for the Activity: 20 Minutes

- **Details of the Implementation:**

(A brief content about how the practice was followed)

- **CO – PO / PSO mapping:**

CO	PO3	PO6	PO7	PSO1	PSO3
CO3	2	1	2	1	1

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO3	PO6	PO7	PSO1	PSO3
Justification for correlation	Design and illustrate the working principle of particulate control devices.	Students can apply the knowledge to assess the rate of pollutant Through pollutant control	Students can be able to develop the sustainability of environmental based on the rate of air pollutant in atmosphere.	Use new ideas to solve existing /novel problems	Providing solutions to real world problems in industry and research establishments.

	Also ability to find solution for air pollution problems related to particulate matter.	devices.			
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- **Images / Screenshot of the practice:**



- **Reflective Critique:**

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

Students enjoyed a lot and it was very helpful to revise the topic that learnt under unit-3.

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

The Brainstorming activity gives them the opportunity to feel more comfortable sharing their thoughts.

- ❖ ***Challenges faced in implementation:***

- ❖ ***Lack of student involvement***

- ❖ ***Lack of student interactions***

References:

<https://www.mindtools.com/brainstm.html>