



RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Civil Engineering

Academic Year: 2021 - 2022 (Even Semester)

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

Course Code & Title: CE8401 & Construction Techniques and Practices

Name of the Faculty member: Mr.J.Ramprashath

Innovative Practice Description

Unit / Topic: Unit V / Support structure for heavy Equipment and conveyors

- **Course Outcome:** CO5
- **Topic Learning Outcome:** TLO15
- **Activity Chosen:** One Minute Paper
- **Justification:**

Support structure for heavy Equipment and conveyors – involves lots of equipments and machineries and related structural compnnents. Hence, I wanted to assess the level of understanding of the students on this particular topic.

- **Time Allotted for the Activity:** 1 minute.

- **Details of the Implementation:**

- One 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 in their own words about the topic at the end of the lecture.

- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO5	PSO1	PSO2	PSO4
CO5	1	1	2	2	3	1

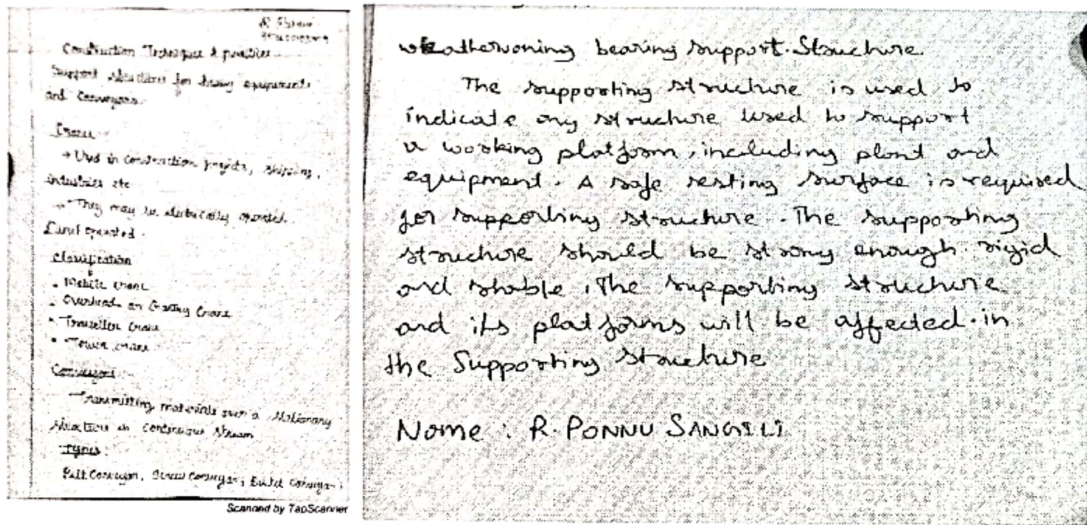
(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO2
Justification for correlation	Application of knowledge of civil engineering is must for demonstration about the Selection and operation of hand and power tools and equipment used in the building construction sites.	Analysis of complex civil engineering problems can be carried out with the help of demonstration about the Selection and operation of hand and power tools and equipment used in the building construction sites.
	PO5	PSO1
	Demonstration about the Selection and operation of	Demonstration about the Selection and operation of hand

	hand and power tools and equipment used in the building construction sites is very much essential for arriving at suitable conclusion for investigations of complex civil engineering problems.	and power tools and equipment used in the building construction sites is also an important criteria for presenting the civil engineering projects effectively.
	PSO2	PSO4
	Demonstration about the Selection and operation of hand and power tools and equipment used in the building construction sites involves the usage of techniques, skills, and modern engineering tools necessary for civil engineering practice and project management.	Demonstration about the Selection and operation of hand and power tools and equipment used in the building construction sites is a basic requirement for performing as civil engineering consultant and also for design of civil engineering structures.

• **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. One Minute Paper is an effective way of involving all students in class simultaneously.

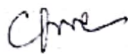
- ii. It prompts students to reflect on the day's lesson and provides the instructor with useful feedback.

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

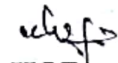
Initially, I have planned the activity for 1 minute but students have taken 2 to 3 minutes to write the answers.

References:

- Peurifoy, R.L., Ledbetter, W.B. and Schexnayder, C., "Construction Planning, Equipment and Methods", 5th Edition, McGraw Hill, Singapore, 1995.



Signature of Faculty Member


HOD