



Department of Civil Engineering

Academic Year: 2023 - 2024 (Odd Semester)

Degree, Semester & Branch: VII Semester B.E. Civil Engineering

Course Code & Title: CE8702 & Railways, Airports, Docks and Harbour Engineering

Name of the Faculty member: Mrs.A.Leema Margret, AP/Civil

Innovative Practice Description

Unit / Topic: Unit - II / RAILWAY CONSTRUCTION AND MAINTENANCE

- **Course Outcome:** CO2
- **Topic Learning Outcome:** TLO6
- **Activity Chosen:** Cross Word Puzzle
- **Justification:**

Construction and maintenance of railway tracks, railway station, yards and signaling. is the major topic in the unit. By understanding the basic content the students will be able to study well the remaining content of the unit. Hence, to assess the understanding of students on the above topic, I decided to give 'Cross Word Puzzle' technique on the above topic.

- **Time Allotted for the Activity:** 5 minutes.

- **Details of the Implementation:**

- Cross Word Puzzle is a very commonly used classroom assessment technique. It is a fun filled assessment technique which also engage the students actively in the class.
- I took all the students to Civil Cadd lab and asked the students to take the cross word puzzle.

- **CO – PO / PSO mapping:**

CO	PO1
CO2	3

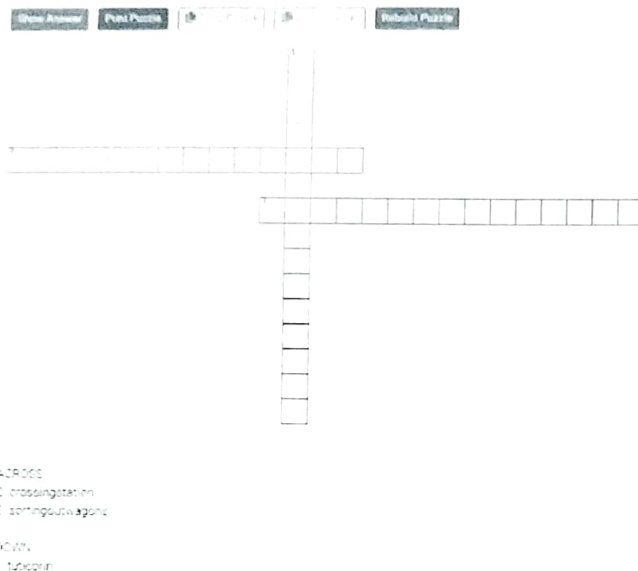
(1 – Low 2 – Moderate 3 – High)

- **PO mapped:**

Innovative practice	PO1
Justification for correlation	By understanding the Construction and maintenance of railway tracks, railway station, yards and signaling, the students will be able to provide solutions for complex problems by applying the knowledge.

Images / Screenshot of the practice:

construction and maintenance of railway tracks, railway station, yards and signaling.



• 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. Cross Word Puzzle 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 10 minutes but students have taken 15 to 20 minutes to complete.

References:

- ❖ Saxena Subhash, C. and Satyapal Arora, A Course in Railway Engineering, Dhanapat Rai and Sons, Delhi, 1998.


Signature of Faculty Member


HOD