



RAMCO INSTITUTE OF TECHNOLOGY

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Department of Civil Engineering

Academic Year 2022– 2023 (Even Semester).

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

Course Code & Title: CE8603 & Irrigation Engineering

Name of the Faculty member (s): Mrs.A.Leema Margret

Innovative Practice Description

Unit / Topic: Unit III / Types of dams

- Course Outcome: CO3
- Topic Learning Outcome: TLO18
- Activity Chosen: Visible Quiz
- Justification:

The concepts related to types of dams are very important. In order to assess the understanding level of the students, visible quiz activity was conducted.

- Time Allotted for the Activity: 10 minutes

- Details of the Implementation:

- Initially, 15 questions covering types of dams and important dams in India was taken and prepared in a power point presentation.
- The students were split into a group of two members (class strength: 21). 09 groups were formed and each member of the group were given with a card containing A, B, C, D.
- Each group was provided with a paper to write down the answer for each question.
- Once the question is displayed one by one. The group member should raise the correct option card for the question.
- The other member will write the team answer in the paper given. Finally, the paper was interchanged with the group and discussed the correct answers.

- CO – PO / PSO mapping:

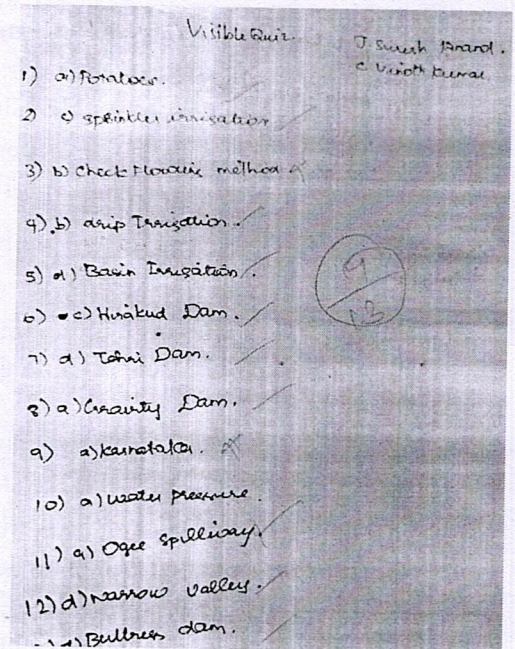
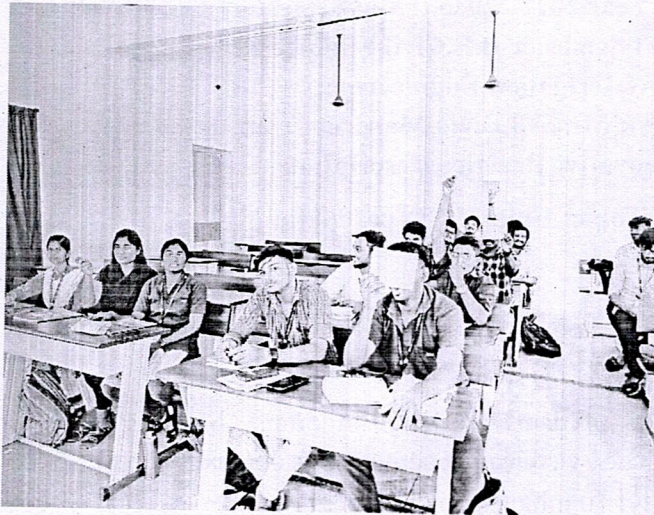
CO	PO6	PO7	PO12
CO3	2	1	1

(1 – Low 2 – Moderate 3 – High)

- PO / PSO mapped:

Innovative practice	PO6	PO7	PO12
Justification for correlation	Ability to describe the advantage of dam construction which provides economic, environmental and social benefits	Demonstrate the knowledge on dams for addressing growing water needs and the emergence of new challenges such as sustainable development and climate change	Recognize the need and purpose of constructing diversion and impounding structures across river

• 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)

- This activity helped to quickly recap the important fundamental knowledge about various types of dam.

- Visible quiz is a team-based activity which supports collaborative learning through which the concepts will be made clear.

- *Challenges faced in implementation:*

- This activity was planned for 10 minutes but it took 15 minutes for completing the discussion.

- The highest mark obtained by the group is 12/13.

References:

- Garg S. K., "Irrigation Engineering and Hydraulic structures", Khanna Publishers, 23rd Revised Edition, New Delhi, 2009.
- Punmia B.C., et. al; Irrigation and water power Engineering, Laxmi Publications, 16th Edition, New Delhi, 2009


Signature of Faculty Member


HOD