

A TECHNICAL REPORT ON PEDAGOGY IMPLEMENTED

DEMONSTRATION OF SEWAGE WATER TREATMENT PLANT

(AT HITAM)

ENGINEERING CHEMISTRTY

SEWAGE TREATMENT

2022/I SEM, BRANCH: CSD & CSC

DATE OF EXECUTION: 14/03/2022

AY: 2021-22

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INTRODUCTION ON PEDAGOGY:

Demonstration is a teaching method used to communicate an idea with the aid of visuals such as flip charts, posters, power point, etc. A demonstration is the process of teaching someone how to make or do something in a step-by-step process. At first, simple observation and communication through pointing to an object, area, place or process occurs. The key to a good demonstration is that students will be able connect the chalk and talk in the classroom to the actual process.

IMPLEMENTATION:

- Students are taken to the garden of HITAM to demonstrate the setup of the sewage water plant
- Students have noted step by step process in experiment
- Flowchart of demonstration helped students in improving their learning skills.
- Application of practical knowledge to theoretical learning had enhanced in students.

PROOFS:



Demonstration of steps involved in treatment.

OUTCOME:

Students are able to relate the theoretical concept of the topic with the realtime setup.

E-RESOURCES/Textbooks Referred :

Links:

<https://www.youtube.com/watch?v=kiNjrkyoIE>

Text books:

A textbook of Engineering Chemistry by Dr.Bharathi Kumari Yalamanchali

A textbook of Engineering Chemistry by Dr.Jayashree

ICT USAGE:

Video links have been sent to the students through whats app to watch them at home before the day of the demonstration

CONTENTS BEYOND THE SYLLABUS:

No contents were covered that are beyond the syllabus

RUBRICS :

<u>TOTAL (5M)</u>	<u>Category A</u>	<u>Category B</u>	<u>Category C</u>
Demonstration (2M)	Topic is completely Understood (3M)	Not completely understood (2M)	Topic is not understood (1M)
Assignment Writing (3M)	All points covered (3M)	Few points coverd (2M)	Poor (1.0M)

TIME TAKEN TO COMPLETE THE ACTIVITY:

2 hrs.

BEST PERFORMER: VARSHITA REDDY 21E51A6732

SLOW PERFORMER: NIKHIL KUMAR 21E51A6727

SUGGESTIONS GIVEN TO SLOW LEARNER: The concept was explained again and he is asked to study the topic in the classroom and project it on the next day in 5 min

CHALLENGES:

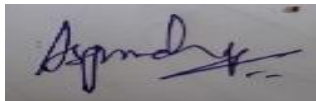
1. Time for finishing the activity
2. Involving all the students in participation

NO.OF STUDENTS PARTICIPATED: 24

NO.OF BATCHES MADE: 5

STUDENT FEEDBACK:

1. Activity was interesting as it is happened beyond the four walls of the classroom
2. Could understand the topic well
3. Could relate to the theory properly
4. The experimental reports have given the clarity on the sewage water treatment plant.



Submitted by

HOD

Principal

Dr. Shradha Binani