



## **Department of Civil Engineering**

### **Innovative Teaching Method –Case study presentation**

**Name of Faculty – Mr. M. B. Patil**

**Class – BE**

**Academic Year– 2020-21**

**Semester I**

**Name of Subject: – Environmental Engineering-II**

### **1. Objectives of Methodology:**

1. To create the awareness of about environment and sustainability.
2. To analyze the various wastewater treatment process.
3. Acquire the various concepts of wastewater treatment & different treatment processes used in the field and ability to share acquired knowledge.

### **2. Details of Activity/Method:**

- Using case study as a teaching strategy enables students to reason critically about situations and proposes appropriate courses of action. Case studies uncover values, perspectives and ideas of classmates resulting in students examining their own understandings, leading to deeper analysis of concepts, ideas and solutions.
- The planning process also consider the cases to be used, and whether they are detailed and inclusive enough to nurture a valuable skill set which is transferrable across the curricula.
- Curriculum requirements support the use of case studies when analyzing sources of information, determining perspectives, interpretations and explanations relating to real events of the past and present.

#### **• The method:**

- Teachers start by having students read the case or watch a video that summarizes the case.
- Student forms a small group understand a case study on one topic.
- The students in a group explain what they have understood, following the guidelines given by the teacher.

## **Roles and Responsibilities**

### **• Teacher**

- Provide the Introduction to the entire topic.
- Aware the student about the length, breadth, depth of topic.
- Provide the appropriate guide lines at every stage.
- Remain available all the time during all stages of process.
- Prepare assessment methodology.

### **• Student**

- Go through all the material provided on particular topic
- Once topic selected understand and gain expertise on topic through web/book search.
- Actively participate in group and contribute by means of discussion.
- Share the expertise topic by means of online virtual contacts and give the presentation.

### **• Group**

- Develop the guidelines to establish group. (i.e. Decide the roll of all participants)
- Every group should gain the expertise on particular topic.
- Prepare a presentation which covers all the details corresponding to the topic.
- Appropriate references should be given.
- Proper communication is expected.
- Give the presentation with which every group member can share the topic they learned.

### 3. Assessment Tools & Rubrics:-

Group No	Roll No	Name of the students	Understanding (5 Marks)	Presentation (10 Marks)	Question-Answer (5 Marks)	Total (20)
			1) 3-5: Good topic knowledge 2) 2-3 :Adequate topic knowledge 3) 1-2: Inadequate topic knowledge	1) 7-10 :Good content, Proper formatting, Content Deliver 2) 3-7 :Adequate content, Proper formatting , Body Language, Content Delivery 3) 1-3 :Inadequate content, Improper formatting , Content Delivery	1) 3-5: Appropriate Answers to Questions. 2) 2-3 :Answers questions, but often with little insight knowledge 3) 1-2: Inappropriate Answer	
			1-2 Low, 2-3 Moderate, 3-5 High	1-3 Low, 3-7 Moderate, 7-10 High	1-2 Low, 2-3 Moderate, 3-5 High	
1	39	Kardile Anjali Santosh	4	8	4	16
	40	Khairnar Monali Sanjay	4	8	4	16
	41	Kulkarni Janhavi Shrikant	5	9	4	18
	64	Thakare Kajal Sanjay	4	8	4	16
2	1	Adke Poonam Vilas	5	8	4	17
	31	Ghule Pratik Somnath	4	8	3	15
	44	Nankar Shubham Vijay	4	8	3	15
3	10	Bhalerao Dhananjay Pandharinath	3	7	3	13
	37	Joshi Tejas Shashikant	4	8	3	15
	14	Bhamare Karan Rajendra	3	5	2	10
	12	Bhamare Akshay Himmat	3	7	2	12
4	66	Toche Saurabh Madhukar	5	9	4	18
	38	Kanoje Manoj Shivaji	5	8	4	17
	33	Jadhav Pranav Shashikant	4	8	4	16

	18	Bhor Mayuri Ratan	5	8	4	17
5	30	Gangurde Sanket Rajendra	5	8	4	17
	20	Bodke Aditya Dnyaneshwar	4	8	4	16
	28	Deshmukh Dinesh Kalu	4	7	3	14
	27	Desale Mayur Rajendra	4	7	3	14
	3	Ahire Anuja Devidas	4	8	3	15
6	46	Palve Pragati Santosh	4	7	3	14
	62	Shinde Vidya Mohandas	3	7	3	13
	67	Wagh Vaishali Dattu	4	7	3	14
	2	Agre Prajakta Sarang	5	9	4	18
7	49	Patil Samrudhi Sanjay	4	8	4	16
	57	Salve Harshad Sanjay	3	7	2	12
	58	Sharma Simat Romeshkumar	4	8	3	15
	29	Gangode Mayuri Nandkumar	5	8	4	17
8	53	Pawar Mrunal Sanjay	4	8	4	16
	22	Chandwadkar Sakshi Rakesh	4	8	4	16
	13	Bhamare Harshada Sanjay	5	8	4	17
	43	More Shashikant Gokul	4	8	3	15
9	6	Bachhav Harshal Prashant	3	7	2	12
	50	Patil Shubham Devidas	3	7	2	12
	47	Patil Chetan Vishwas	3	7	3	13
	36	Jawale Hrishikesh Narendra	4	8	4	16
10	54	Rajput Jayraj Sunil	5	9	4	18
	15	Bhamare Revati Arun	4	8	4	16
	19	Bodade Vishakha Prabhakar	4	8	4	16

11	34	Jadhav Shriyog Shantaram	4	7	3	14
	21	Boraste Samrudhi Sunil	3	7	3	13
	42	Mhaisdhune Pranav Shankar	4	8	3	15
	7	Badgujar Shubhangi Vilas	3	7	2	12
12	24	Chine Pratik Gorakshnath	4	8	3	15
	8	Bendkule Gayatri Rajesh	3	7	3	13
	26	Darode Shweta Hemant	4	8	3	15
	55	Sanap Sonali Ramkrushna	3	7	2	16
13	75	Shingade Omkar Sanjay	5	8	4	17
	74	Pagar Harshvardhan Hemant	4	8	3	15
	71	Jadhav Kunal Sambhaji	4	8	3	15
14	60	Shinde Pratiksha Deepak	4	7	3	14
	9	Bhadange Mrugdha Sunil	4	8	3	15
	61	Shinde Urmila Devidas	3	7	3	13
	69	Chothave Aishwarya Rajendra	3	7	3	13
15	77	Gajarmal Prasad Balwant	3	7	2	12
	65	Thavil Nitin Dharma	3	7	2	12
	17	Bhamre Shivam Avinash	3	7	3	13
	63	Sonawne Aayush Depak	4	7	3	14
16	48	Patil Mohanish Hemant	4	8	3	15
	51	Patil Siddhant Vilas	3	7	3	13
	25	Dargode Nikhil Arun	4	7	3	14
	45	Nikam Rushikesh Subhash	4	7	3	14
17	4	Ahire Sagar Vinod	4	7	3	14

	5	Avhad Archit Prashant	4	7	3	14
	32	Gite Yash Sanjay	4	7	3	13
	68	Walke Aishwarya Namdeo	3	7	2	12
18	70	Deore Chetan Manik	4	8	4	16
	59	Shinde Mayur Dhondiram	4	7	3	14
	72	Ahire Mayur Nandu	4	8	3	15
	73	More Saurav Mulchand	3	7	2	12
19	11	Bhalerao Poonam Lahu	4	8	3	15
	16	Bhamre Roshani Mohan	4	8	4	16
	52	Patil Varsha Vasant	4	7	3	14
	56	Satbhai Ankita Bhaskar	4	7	3	14
20	35	Unnati Rajendra Jadhav	3	6	2	12

#### 4. Evidences: Activity Photographs/Videos/Sample PPT's

The screenshot shows a Google Meet window with a presentation slide. The slide title is "A case study report on 'SEWAGE TREATMENT PLANT, DELAWAS, JAIPUR'". It lists four students: 1. Kardile Anjali Santosh (39), 2. Khairnar Monali Sanjay (40), 3. Kulkarni Janhavi Shrikant (41), and 4. Thakare Kajal Sanjay (64). The slide is guided by Prof. M.B. Patil. The meeting interface shows 44 people in the room, with ANJALI KARDILE presenting. The browser tabs include Gmail, Inbox, B.E. Civil 2020-21 Semester-1, Meet - pno-smbi-fex, Exam Online- Examination Se..., and 443\_22.122020.pdf.

The screenshot shows a Google Meet window with a presentation slide. The slide title is "A CASE STUDY REPORT ON WASTE WATER TREATMENT PLANT OF VITTHALWADI, PUNE". It lists three students: 1. Bhor Mayuri R. (18), 2. Jadhav Pranav S. (33), and 3. Kanoje Manoj S. (38). The slide is guided by Prof. M. B. Patil. The meeting interface shows 37 people in the room, with MAYURI BHOR presenting. The browser tabs include Gmail, Inbox, B.E. Civil 2020-21 Semester-1, Meet - pno-smbi-fex, Exam Online- Examination Se..., and 443\_22.122020.pdf.

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https://meet.google.com/pno-zmbi-fex?authuser=0

VIDYA SHINDE is presenting

## A case study report on Waste Water Treatment plant "Common Effluent Treatment Plant (CETP), Solapur, Maharashtra"

Prepared by  
 Name of Students : Ahire Anuja D.  
 Shinde Vidya M.  
 Wagh Vaishali D.  
 Palve Pragati S

Under the Guidance of  
 Name of Guide: Prof. M.B.Patil

h2tl2exm3j

People (37)

- PRANAV JADHAV
- PRANAV MHAISDHUNE
- PRATIK CHINE
- rushikesh nikam
- SAKSHI CHANDWADK...
- SAMRUDDHI PATIL
- SAURABH TOCHE
- SHRIYOG JADHAV
- SHUBHAM NANKAR

h2tl2exm3j

VIDYA SHINDE is presenting

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REC VISHAKHA BODADE is presenting

NITIN THAVIL and 4 more

16 10:33 AM You



DEPARTMENT OF CIVIL ENGINEERING  
 MARATHA VIDYA PRASARAK SAMAJ'S  
 KARMAVEER ADV. BABURAO  
 GANPATRAO THAKARE, COLLEGE OF  
 ENGINEERING, NASHIK -13

ENVIRONMENTAL ENGG II

A  
 Case Study  
 Presentation On

"WASTE WATER TREATMENT PLANT"

h2tl2exm3j

Revati Arun Bhamare VISHAKHA BODADE

UNNATI JADHAV ANKITA SATBHAI

JAYRAJ RAJPUT Omkar Shingade

Omkar Shingade joined

h2tl2exm3j

VISHAKHA BODADE is presenting

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https://meet.google.com/pno-xmbi-fex?authuser=0

MRUNAL PAWAR is presenting



**A CASE STUDY REPORT  
ON SEWAGE WATER  
TREATMENT, GOA**

h2ti2exm3j

People (27) Chat

- PRATIK CHINE
- rushikesh nikam
- SAGAR AHIRE
- SAKSHI CHANDWADK...
- SAMRUDHI BORASTE
- SAMRUDHI PATIL
- SHRIYOG JADHAV
- SHWETA DARODE
- SONALI SANAP

h2ti2exm3j ^

Meet controls

h2ti2exm3j is presenting


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https://meet.google.com/pno-xmbi-fex?authuser=0

SHRIYOG JADHAV is presenting



**A Case Study On "WASTE WATER  
TREATMENT PLANT, CETP  
(Common Effluent Treatment Plant)  
TAMIL NADU"**

PREPARED BY: BORASTE SAMRUDHI  
MHAISDHUNE PRANAV  
BADGUJAR SHUBHANGI  
JADHAV SHRIYOG

h2ti2exm3j

People (23) Chat

- SAGAR AHIRE
- SAKSHI CHANDWADK...
- SHRIYOG JADHAV
- SHRIYOG JADHAV Presentation
- SHWETA DARODE
- SIDDHANT PATIL
- SONALI SANAP
- UNNATI JADHAV
- URMILA SHINDE

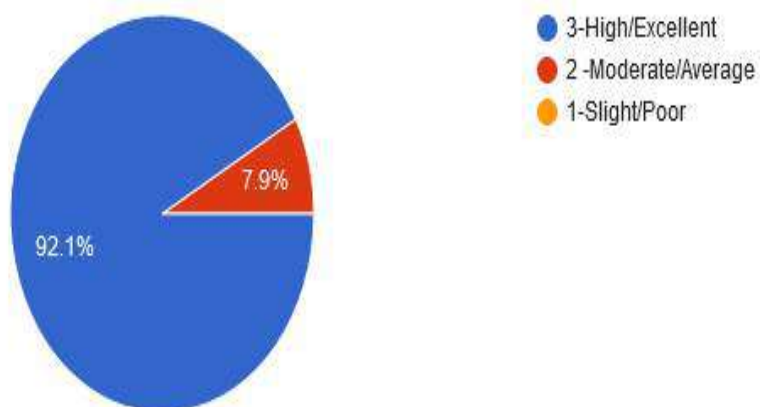
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### 5. Feedback/Impact Analysis (Based on Students Feedback):

Sr. No.	3- High/Excellent	2 - Moderate /Average	1- Slight/Poor
1. Did you understand and cover the objective of the activity?(PO7)	92.1%	7.9%	
2.How Much do you find explanation or notes or presentation material OR Video of particular topic helpful (CO3)	88.2%	11.8%	
3. Do you find that methodology is helpful to cover the content beyond syllabus?	85.5%	14.5%	
4.Does the group members communicate effectively on given topic ( PO10)	93.42%	5.26%	1.32%
5.Does the content of covered topic will be remember for life long ( PO12)	85.5%	14.5%	
6. Would You Like To Participate in This Methodology again	98.7%	1.3%	

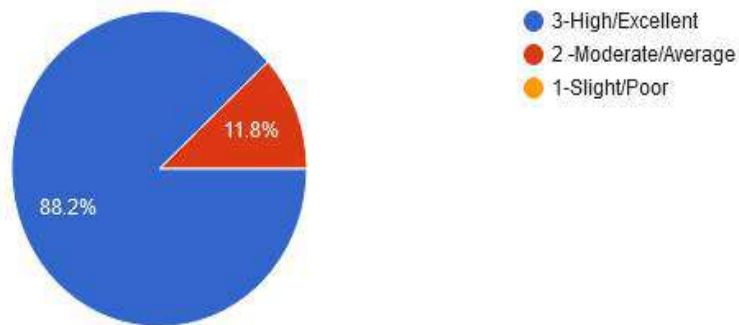
1. Did you understand and cover the objective of the activity?(PO7)

76 responses



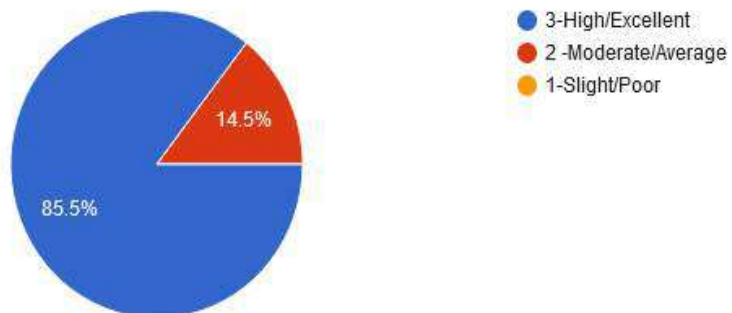
2.How Much do you find explanation or notes or presentation material OR Video of particular topic helpful (CO3)

76 responses



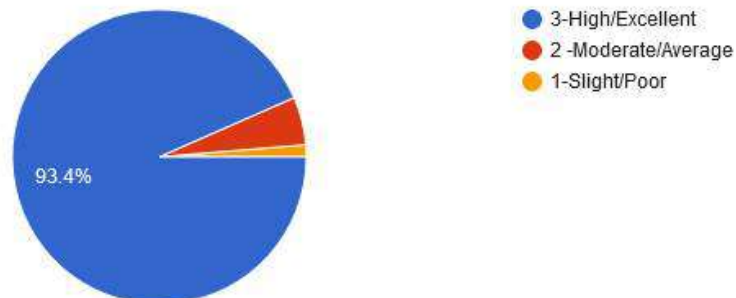
3. Do you find that methodology is helpful to cover the content beyond syllabus?

76 responses



4.Does the group members communicate effectively on given topic ( PO10)

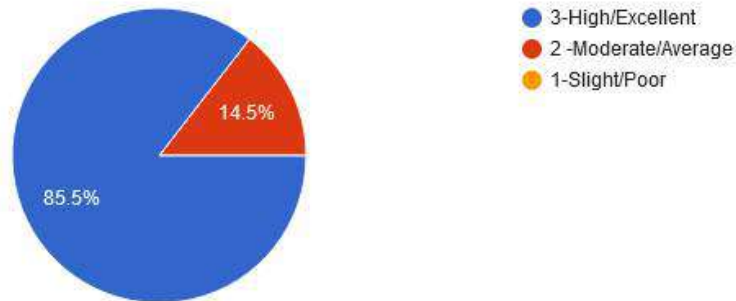
76 responses



5.Does the content of covered topic will be remember for life long ( PO12)



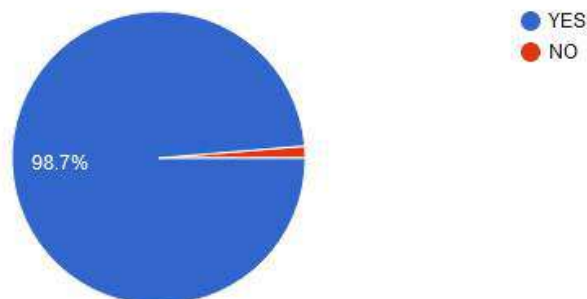
76 responses



6. Would You Like To Participate in This Methodology again



76 responses



**Link for review and critics: <https://forms.gle/zxYNVpUJ1J8naZa38>**

**For review and critique contact: e-mail address of faculty and HOD**

patil.manoj89@kbtcoe.org

hod.civil@kbtcoe.org

Mr. M. B. Patil  
Subject In charge

Dr. P. N. Balve  
Module Coordinator

Dr. M. P. Kadam  
HoD