



POORNIMA

COLLEGE OF ENGINEERING

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA



DEPARTMENT OF CIVIL ENGINEERING

Session

On

‘A Visit to SEWAGE TREATMENT PLANT AND
CRID’

Session_2021-22

A
Post Detail Report of
On
“A Visit to SEWAGE TREATMENT PLANT and CRID”

15th December, 2021

Coordinated by

Dr. Manoj Gattani

Mr. Prateek Sharma

Organized by



Department of Civil Engineering

Poornima College of Engineering

Jaipur, Rajasthan- (India)


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
131-6, RIICO Institutional Area
Sitapura, JAIPUR

Contents

1. Field Visit Detail.....	3
2. Site photos.....	5
3. PARTICIPANT DETAILS.....	6

About Site Visit

The department of Civil Engineering PCE jointly organized a field visit to Poornima University, Jaipur at its **Sewage Treatment Plant (STP)** and **Centre for Research Instrumentation and Development (CRID)** on Wednesday, 15th December, 2021. The Motive of the visit was to provide field exposure to the students about the engineering projects. Total 34 students, few among them Ranjeet Thakur, Ritak Singh, Gajendra Pawar were part of the visit who witnessed the real-time process of STP which is usually hard to learn and understand by just reading books.

About STP Plant

The STP in the PU is fully fed with the sewage water of PU itself. This plant has a maximum capacity to treat 350 KL of sewage water per day. The STP has a series of level like Screening, Grit Removal, Sedimentation Tanks, Sludge Removal, Aeration Tank, Bacteria Removing, Activated Carbon Filter and then final treated water. The treated water is used for gardening purpose and flushing purpose only. Dr Divya Prakash, the HOD of Department of Civil Engineering, Poornima University guided the student team thoroughly and explained about the STP and its working and praised the students for their urge to understand and learn more, he also shared that the water is treated as per standards of Central Pollution Control Board (CPCB).

After this, the students also visited CRID. Here, the HOD of Department of Civil Engineering, PU told about this research centre. There are three wings in CRID viz- Centre for Excellence in Machine Learning, Centre of Excellence in Solar Energy and Centre of Excellence in Water Resources and Clean air. All these research centers are equipped with the latest and advanced equipment. The equipment's in this research centre are one of its kinds in Rajasthan.

Students witnessed the working of **Reputable Dust Sampler** and **Fine Particulate Sampler**. These equipment's are used to measure and calculate the quantity of PM 2.5 and PM 10 in the air respectively. The cost of running both these equipment's for a single time ranges from ₹1000 to ₹10000.


Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
131-6, RICO Institutional Area
Sitapura, JAIPUR



The in-charge of the visit were Dr. Manoj Gattani and Mr. Prateek Sharma, faculty members of the Civil Engineering Department, PCE. The total 38 students participated in the visit. This visit was organized for students of final year, 7th semester. The visit to STP and CRID was knowledgeable. Here the students learnt and saw the real time working of STP and the procedure to check air quality.

Glimpses of the visit



List of students

S. No.	Year	Enrolment ID / College ID	Student Name
1	Final Year	PCE18CE001	AHMED
2	Final Year	PCE18CE002	AIZAZ
3	Final Year	PCE18CE003	AMAN CHATURVEDI
4	Final Year	PCE18CE005	ANIL GUPTA
5	Final Year	PCE18CE006	ARVIND SINGH RATHORE
6	Final Year	PCE18CE007	ASTHA CHATURVEDI
7	Final Year	PCE18CE008	CHANDRA PRAKASH
8	Final Year	PCE18CE009	DEEPAK JHIRWAL
9	Final Year	PCE18CE010	DEEPESH YADAV
10	Final Year	PCE18CE011	DIVYANSHU KUMAWAT
11	Final Year	PCE18CE012	FALANSH SHARMA
12	Final Year	PCE18CE013	GOVIND KUMAR MEENA
13	Final Year	PCE18CE014	HARSH AGRAWAL
14	Final Year	PCE18CE015	HIMANSHU RAJPUT
15	Final Year	PCE18CE016	HITESH KUMAR MINA
16	Final Year	PCE18CE017	KSHITIJ FOFLIYA
17	Final Year	PCE18CE018	LAKSHYA GUPTA
18	Final Year	PCE18CE020	MAHENDRA KUMAR CHOUDHARY

19	Final Year	PCE18CE021	MANOKAMNA SINGH
20	Final Year	PCE18CE022	MOHAMMED AMAN DAYER
21	Final Year	PCE18CE024	PAYASH CHOUDHARY
22	Final Year	PCE18CE025	PIYUSH GARG
23	Final Year	PCE18CE026	PRAKSHIT RAJORIYA
24	Final Year	PCE18CE027	PRANJUL MITTAL
25	Final Year	PCE18CE028	RAJAT KUMAR
26	Final Year	PCE18CE031	RESHMA CHOUDHARY
27	Final Year	PCE18CE032	RUCHI AGARWAL
28	Final Year	PCE18CE033	SATYAM SHARMA
29	Final Year	PCE18CE034	SAURABH KUMAR
30	Final Year	PCE18CE035	SHAKTI RATHORE
31	Final Year	PCE18CE037	SHUBHAM KUMAR K
32	Final Year	PCE18CE038	SHUBHAM NAIR
33	Final Year	PCE18CE039	SUMER YADAV
34	Final Year	PCE18CE040	VIKAS RANJAN
35	Final Year	PCE18CE041	HARSH JANGIR
36	Final Year	PCE18CE043	HARIHAR SAH
37	Final Year	PCE18CE044	PARVINDER SINGH
38	Final Year	PCE19CE702	MD AFZAL KHAN

Feedback form

The screenshot displays a Google Forms editor interface. The browser's address bar shows the form's URL: docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529. The form title is "Feedback and Assessment Form- RTU (ATU) 'A Visit to SEWAGE TREATMENT PLANT and CRID''15th December, 2021 at POORNIMA COLLEGE OF ENGINEERING, JAIPUR". Below the title, the form content includes the text: "POORNIMA COLLEGE OF ENGINEERING, JAIPUR", "RAJASTHAN TECHNICAL UNIVERSITY, KOTA", "RTU (ATU) TEQIP-III PROJECT", and "15th December, 2021". A text box for "Email *" is present, with a placeholder "Valid email address" and a note "This form is collecting email addresses. [Change settings](#)". At the bottom, a text box for "Name of Participant with title (Dr./Mr./Mrs/Ms) *" is visible. The interface includes a top navigation bar with "Questions", "Responses", and "Settings" tabs, and a right sidebar with various editing tools. The Windows taskbar at the bottom shows the time as 9:20 AM.

Form shared with you: Feedback x Feedback Form Sample - Google x

docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529

Feedback Form Sample ☆ All changes saved in Drive

Questions Responses Settings

Section 1 of 2

Feedback and Assessment Form- RTU (ATU) "A Visit to SEWAGE TREATMENT PLANT and CRID"15th December, 2021 at POORNIMA COLLEGE OF ENGINEERING, JAIPUR

POORNIMA COLLEGE OF ENGINEERING, JAIPUR
RAJASTHAN TECHNICAL UNIVERSITY, KOTA
RTU (ATU) TEQIP-III PROJECT
15th December, 2021

B I U ↻ ↺ ↻ ↻ ↻ ↻

Email *

Valid email address

This form is collecting email addresses. [Change settings](#)

Name of Participant with title (Dr./Mr./Mrs/Ms) *


Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
131-6, RIICO Institutional Area
Stapura, JAIPUR

Google Account | Form shared with you: 'Feedback' | Feedback Form Sample - Google | Feedback Form Sample - Google | +

docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529

YouTube | Maps

Feedback Form Sample | All changes saved in Drive

Questions | Responses | Settings

Undo | Send

Name of Participant with title (Dr./Mr./Mrs./Ms.) *

Short-answer text

Question

☐ Option 1

Institute Name *

Short-answer text

After section 1 | Continue to next section

Section 2 of 2

Feedback Form

Google Account | Form shared with you: 'Feedback' | Feedback Form Sample - Google | Feedback Form Sample - Google | +

docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529

YouTube | Maps

Feedback Form Sample | All changes saved in Drive

Questions | Responses | Settings

After section 1 | Continue to next section

Section 2 of 2

Feedback Form

Description (optional)

Kindly provide us your valuable feedback about the course (10 is the highest grade).

Description (optional)

...

Your experience about the course. *

1 2 3 4 5 6 7 8 9 10

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Knowledge enhancement. *

1 2 3 4 5 6 7 8 9 10


Dr. Mahesh Bundele
 B.E., M.E., Ph.D.
 Director
 Poornima College of Engineering
 131-6, RIICO Institutional Area
 Sitapura, JAIPUR

Google Account | Form shared with you: 'Feedback' | Feedback Form Sample - Google | Feedback Form Sample - Google | +

docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529

YouTube | Maps

Feedback Form Sample ☆ All changes saved in Drive

Questions Responses Settings

Relevancy of topics. *

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

About speakers. *

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

General Arrangement *

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9:35 AM

Google Account | Form shared with you: 'Feedback' | Feedback Form Sample - Google | Feedback Form Sample - Google | +

docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529

YouTube | Maps

Feedback Form Sample ☆ All changes saved in Drive

Questions Responses Settings

General Arrangement *

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In future do you want to attend such courses conducted by this Institute (Poornima College of Engineering)? *

☐ Yes

☐ No

If No, Why?

Long-answer text

Topic that can be covered in the next course? *

Short-answer text

9:35 AM


Dr. Mahesh Bundele
 B.E., M.E., Ph.D.
 Director
 Poornima College of Engineering
 131-6, RIICO Institutional Area
 Jaipur, RAJASTHAN

Google Account x Form shared with you: 'Feedback' x Feedback Form Sample - Google x Feedback Form Sample - Google x +

docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529

Feedback Form Sample ☆ All changes saved in Drive

Questions Responses Settings

Long-answer text

Topic that can be covered in the next course? *

Short-answer text

Knowledge gain by the course. *

Short-answer text

Overall experience of the course. *

Short-answer text

Suggestions *

Long-answer text

9:35 AM

Google Account x Form shared with you: 'Feedback' x Feedback Form Sample - Google x Feedback Form Sample - Google x +

docs.google.com/forms/d/17kYY_Z3F8U5H9kkRd8YQ4MRsvWQ-u0acL1ZqHHVrQZY/edit?ts=63984529#settings

Feedback Form Sample ☆ All changes saved in Drive

Questions Responses Settings

Settings

Make this a quiz
Assign point values, set answers and automatically provide feedback

Responses
Manage how responses are collected and protected

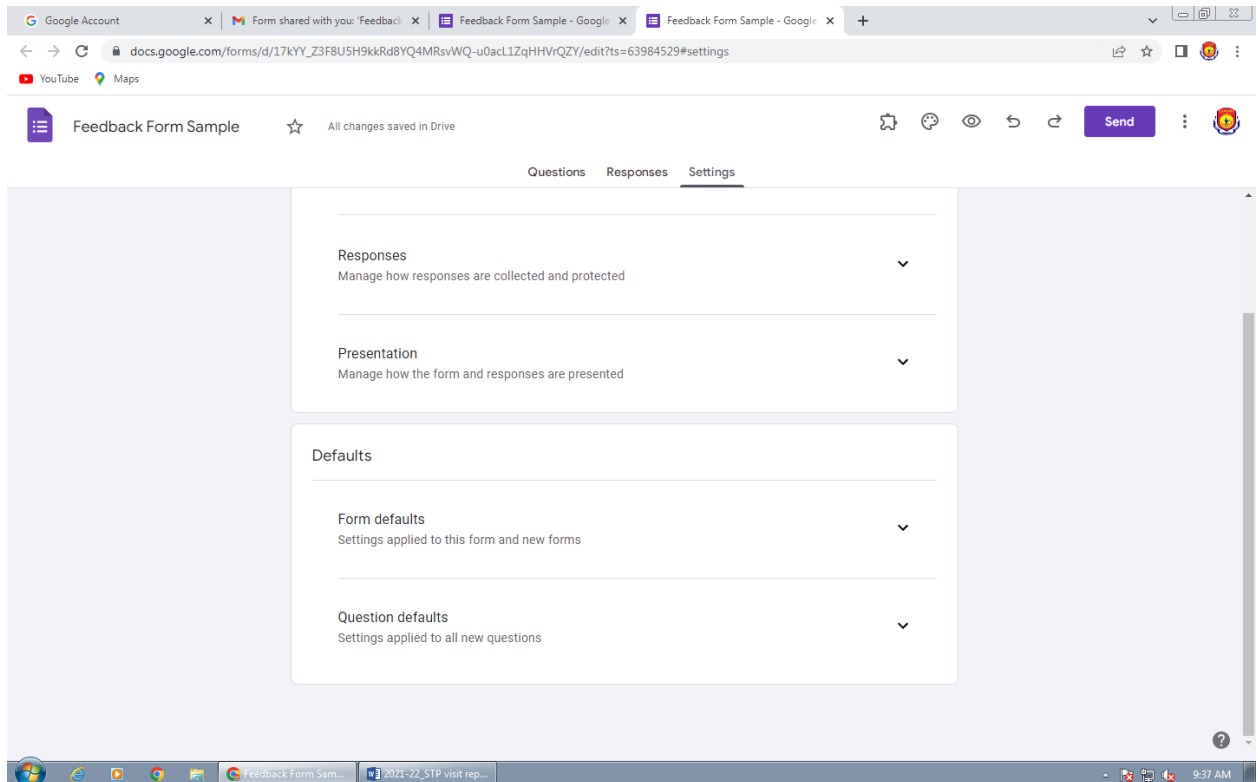
Presentation
Manage how the form and responses are presented

Defaults

Form defaults
Settings applied to this form and new forms

9:37 AM


Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Peernima College of Engineering
131-6, RIIICO Institutional Area
Sitapura, JAIPUR



FEEDBACKANALYSIS:

	Effectiveness of Time	Effectiveness of Theoretical Session	Course Content Planning and Organization	Effectiveness of Hands-on Sessions
Strongly Agree	28	25	31	24
Agree	11	11	8	12
Neutral	0	6	0	3
Disagree	0	0	0	0
Strongly Disagree	4	1	4	4


Dr. Mahesh Bundele
 B.E., M.E., Ph.D.
 Director
 Poonima College of Engineering
 131-6, RIIICO Institutional Area
 Sitapura, JAIPUR

