

Workshop on Geotechnical Engineering:


**GEOTECH
WORKSHOP**

Get Started



Date
01 - 02, Aug. 2023



Time
11AM Onwards

Organized by
Department of Civil Engineering

Key Features:

- The investigation of subsurface conditions and materials
- The determination of the relevant physical, mechanical, and chemical properties of materials

Speaker
Mrs. Anshu Tiwari

Coordinator:
Shashank Gupta
Aditya Sharma

ITM University Turari Campus Gwalior Madhya Pradesh

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Tests Performed in Workshop

- Moisture Content Test
- Specific Gravity Test
- Dry Density Test
- Atterberg Limits Test
- Plastic Limit Test (PL)
- Proctor's Compaction Test

Sample Collections

- The site chosen for the sample was the new bus parking area as the properties of the site were needed to be determined
- Batch of 2021 and 2022 of Civil Engineering were involved in the workshop
- Soil sample is collected from three different positions of the site. (left corner, middle, and right corner)
- Physical characteristics were determined by the students.

Objective of the workshop.

- Importance of sampling of Soil
- Soil Specification and IS Codes involved in Quality assurance.
- Easy to perform the site experiments
- Understanding of construction site quickly and efficiently.

Advantages of Workshop

- Students understood the use of many instruments used in Geotechnical Engineering.
- Adjustments can be made as per the requirement on any type of ground by the students.
- Students were able to take perform the tests on Soil.
- Physical Properties like Plastic Limit, Liquid limit, Moisture Content were calculated by students





Sample of certificate



List of Students Participated

Sr. NO	ROLL NO	STUDENT NAME	SEMESTER
1	BETN1CE21001	Abhi Arya	5 th Sem
2	BETN1CE21002	Gulab Dev Das	5 th Sem
3	BETN1CE21004	Somnath Ray	5 th Sem
4	BETN1CE21008	Arindam Kumar	5 th Sem
5	BETN1CE21009	Voice Raj Meena	5 th Sem
6	BETN1CE210D01	Anuj Sharma	5 th Sem
7	BETN1CE210D02	Gemin Tali	5 th Sem
8	BETN1CE22004	Rohit Singh Tomar	3 rd Sem
9	BETN1CE22005	Shubham Singh Tomar	3 rd Sem
10	BETN1CE22007	Harsh Gurjar	3 rd Sem
11	BETN1CE22008	Suryabhan Dhakad	3 rd Sem
12	BETN1CE22010	Aditya Dhakad	3 rd Sem
13	BETN1CE22012	Anesu Ashman Chuma	3 rd Sem
14	BETN1CE22013	Aditya Gautam	3 rd Sem
15	BETN1CE22019	Amit Raj	3 rd Sem
16	BETN1CE22020	Pramendra Kumar Singh	3 rd Sem
17	BETN1CE22021	Rohit Chaudhay Lekhi	3 rd Sem
18	BETN1CE22022	Vinay Sharma	3 rd Sem
19	BETN3CE23D01	Rohit Singh Tomar	3 rd Sem
20	BETN3CE23D02	Arun Kumar Yadav	5 th Sem
21	BETN1CE21011	Ankit Yadav	5 th Sem

Industrial visit/Study tours/Site Visits: - Industrial visits are integral to the academic curriculum, particularly for civil engineering students pursuing B. Tech program. These visits are designed to give students practical exposure, complementing theoretical knowledge gained in classrooms. In session 2023-24, Students of civil engineering from the School of Engineering and Technology at ITM University, Gwalior had the privilege of visiting at Avantika Gas Limited on 13 February 2024, J B Mangharam Foods Private Limited Gwalior on 19 January 2024 and Sanchi Dairy Sanyantra (Banmore) on 6th April 2023.

Industrial Visit	
Industry	Date
Industrial Visit- Avantika Gas Limited (Purani Chhawni)	13 February 2024
Industrial Visit- J B Mangharam Foods Private Limited Gwalior	19 January 2024
Industrial Visit- Sanchi Dairy Sanyantra (Banmore)	06 April 2023
Site Visit	
Construction Site	Date
Construction Site Visit- Extension of MG Block	03 May 2024
Construction Site Visit- The Gwalior International Cricket Stadium". Situated, Near Village Shankarpur	24 August 2023
Construction Site Visit- Extension of Sports Complex	18 August 2023

**Report On Industrial Visit,
J B Mangharam Foods Private Limited Gwalior**



1. **General:** Industrial visits for students of Mechanical, Civil & Agriculture were organized on 19 January 2024. The students were taken J B Mangharam Foods Private Limited , Gola Ka Mandir Gwalior.

2. **Participation:** Following faculty members and students visited the plant

- (a) Mr. Arun Singh Kushwah, Mr. Prabhu Dayal Arya, Mr. Vinod Rathore, Assistant Professor Mechanical Department, Mrs. Anshu Tiwari Assistant Professor Civil Department Mr. Aman Kushwah Lab Technician Civil Department.
- (b) Students of 2nd semester Mechanical Engineering, 05 in number
- (c) Students of 4th semester Mechanical Engineering, 08 in number
- (d) Students of 6th semester Mechanical Engineering, 05 in number
- (e) Students of 2nd semester Agriculture Engineering, 03 in number
- (f) Students of 4th semester Agriculture Engineering, 06 in number
- (g) Students of 2nd semester Civil Engineering, 04 in number
- (h) Students of 4th semester Civil Engineering, 07 in number

3. Visit was arranged by Mr. Neeraj Pathak Manager-HR.

4. Objective of the visit:

- (a) To make students familiar with the modern Food processing unit and equipment used in the Making Biscuit of Britannia in J B Mangharam Gwalior.
- (b) To understand the importance of quality control.
- (c) To learn about waste management:
- (d) To show students, the similarity & difference between theoretical and practical concepts.

5. Learning Outcomes:

- (a) They will be able to describe the various stages and equipment involved in Making Biscuit for Britannia Company production, The biscuit making process is elaborate and continuous. The ingredients are combined to form a dough, which is kneaded and rolled to a uniform thickness. It is cut into biscuit shapes and placed in a travelling oven.
- (b) They will be able to apply the concepts of quality control and waste management in dairy processing and understand their importance for food safety and environmental protection.
- (c) They will be able to analyze the challenges and opportunities faced by the dairy industry in terms of market demand, competition, innovation, and sustainability.
- (d) They will be able to evaluate the performance and efficiency of different biscuit making processing methods and technologies and suggest possible improvements or alternatives.
- (e) They will be able to demonstrate practical skills and knowledge by participating in various aspects of dairy processing, such as operating machines, conducting tests, and handling products.

6. Feedback from students:

Students gave positive feedback to words practical exposé of modern Food Industry (biscuit making process Industry).



List of present students during Industrial visit-

S.no.	NAME	branch	semester
01.	Krishna Baghel	ME	2nd SEM
02.	Ramu Savita	ME	2nd SEM
03.	Sparsh Jain	ME	2nd SEM
04.	Utkaesh Patil	ME	2nd SEM
05.	Kunal George	ME	2nd SEM
06.	Sujal Gupta	ME	4 th SEM
07.	Alpesh Tomar	ME	4 th SEM
08.	Jagal Rawat	ME	4 th SEM
09.	Sanjay singh	ME	4 th SEM
10.	Druv Verma	ME	4 th SEM
11.	Yash Vardhan Singh	ME	4 th SEM
12.	Aniket Kaurav	ME	4 th SEM
13.	Nishant Sharma	ME	4 th SEM
14.	Babu Ali	ME	6 th SEM
15.	Bavandeep	ME	6 th SEM
16.	Divyansh Pannani	ME	6 th SEM
17.	Vijay Sharma	ME	6 th SEM

18.	Krishna Gupta	ME	6 th SEM
19.	Abhishek Singh Tomer	AGE	2nd SEM
20.	Arun Rajak	AGE	2nd SEM
21.	Om Patel	AGE	2nd SEM
22.	Om Gupta	AGE	4 th SEM
23.	Jai Soni	AGE	4 th SEM
24.	Harsh Kumar	AGE	4 th SEM
25.	Mohammad Hasan Khan	AGE	4 th SEM
26.	Vivek Malkipuram	AGE	4 th SEM
27.	Toran	AGE	4 th SEM
28.	Khushi	CE	2nd SEM
29.	Abdul	CE	2nd SEM
30.	Vikash	CE	2nd SEM
31.	Akash	CE	2nd SEM
32.	Aditya Gautam	CE	4 th SEM
33.	Suryabhan Dhakar	CE	4 th SEM
34.	Sanon Moakiatou	CE	4 th SEM
35.	Aneshu Chuma	CE	4 th SEM
36.	Rohit Tomar	CE	4 th SEM
37.	Ayush Kumar Sharma	CE	4 th SEM
38.	Vikash Harwariya	CE	4 th SEM

Report On Industrial Visit, Sanchi Dairy Sanyantra (Banmore)



1. **General:** Industrial visits for students of Mechanical, Civil & Agriculture were organized on 06 April 2023. The students were taken Sanchi Dairy Sanyantra in Banmore, Morena.

2. **Participation:** Following faculty members and students visited the plant

- (a) Dr. Shashikant Pandey, Mr. Shateesh kumar, Assistant Professor ME department and Mr. Nikhil Nandwani Assistant Professor Civil department
- (b) Students of 7th semester Mechanical Engineering, 04 in number
- (c) Students of 5th semester Mechanical Engineering, 03 in number
- (d) Students of 5th semester Agriculture Engineering, 07 in number
- (e) Students of 5th semester Civil Engineering, 06 in number
- (f) Students of 3rd semester Mechanical Engineering, 06 in number
- (g) Students of 3rd semester Agriculture Engineering, 06 in number
- (h) Students of 3rd semester Civil Engineering, 08 in number

3. Visit was arranged by Narendra Gautam, Sanchi Dairy Sanyantra Banmor.

4. **Objective of the visit:**

- (a) To make students familiar with the modern milk processing unit and equipment used in the milk processing.
- (b) To understand the importance of quality control.
- (c) To learn about waste management.

(d) To show students, the similarity & difference between theoretical and practical concepts.

5. Learning Outcomes:

- (a) They will be able to describe the various stages and equipment involved in milk production, such as pasteurization, homogenization, and packaging.
- (b) They will be able to apply the concepts of quality control and waste management in dairy processing and understand their importance for food safety and environmental protection.
- (c) They will be able to analyze the challenges and opportunities faced by the dairy industry in terms of market demand, competition, innovation, and sustainability.
- (d) They will be able to evaluate the performance and efficiency of different dairy processing methods and technologies and suggest possible improvements or alternatives.
- (e) They will be able to demonstrate practical skills and knowledge by participating in various aspects of dairy processing, such as operating machines, conducting tests, and handling products.

6. Feedback from students:

Students gave positive feedback to words practical exposé of modern Food Industry (biscuit making process Industry).

List of present students during Industrial visit-

S.no.	NAME	branch	semester
01.	Deepika Bhadoriya	ME	7 th SEM
02.	Suraj kumar	ME	7 th SEM
03.	Aniketh diwedi	ME	7 th SEM
04.	Berthe fedal	ME	7 th SEM
05.	Divyansh Pamnani	ME	5 th SEM
06.	Bavandeep Singh Chauhan	ME	5 th SEM
07.	Krishna Gupta	ME	5 th SEM
08.	Yogendra Singh	AGE	5 th SEM
09.	Manne.Eshwar	AGE	5 th SEM
10.	W.Dixit	AGE	5 th SEM

11.	G.Aravind	AGE	5 th SEM
12.	P.Nagasai	AGE	5 th SEM
13.	S.Vignesh	AGE	5 th SEM
14.	B. Manohar	AGE	5 th SEM
15.	Gulab Dev Das	CE	5 th SEM
16.	Harsh Niket	CE	5 th SEM
17.	Voice Raj Meena	CE	5 th SEM
18.	Arindam Kumar	CE	5 th SEM
19.	Abhi Arya	CE	5 th SEM
20.	Ankit Yadav	CE	5 th SEM
21.	Aniket Kaurav	ME	3 th SEM
22.	Sanjay Singh	ME	3 th SEM
23.	Alpesh Tomar	ME	3 th SEM
24.	Sujal Gupta	ME	3 th SEM
25.	Jugal Rawat	ME	3 th SEM
26.	Dhruv Verma	ME	3 th SEM
27.	Om Gupta	AGE	3 th SEM
28.	Jai Soni	AGE	3 th SEM
29.	Harsh Kumar	AGE	3 th SEM
30.	Mohammad Hasan Khan	AGE	3 th SEM
31.	Vivek Malkipuram	AGE	3 th SEM
32.	Toran	AGE	3 th SEM
33.	Rohit Tomar	CE	3 th SEM
34.	Aditya Gautam	CE	3 th SEM
35.	Shubham Tomar	CE	3 th SEM
36.	Hirdesh Solanki	CE	3 th SEM
37.	Aneshu Chuma	CE	3 th SEM
38.	Suryabhan Dhakar	CE	3 th SEM
39.	Aditya Dhakad	CE	3 th SEM
40.	Ayush Sharma	CE	3 th SEM

Report On Site Visit To Avantika Gas Limited



- **General:** Site visit for students of II, IV and VI semester of department of civil engineering was organized on 13th February 2024. The students were taken to Avantika Gas Limited that was Mother Station of Gwalior City.
- **Participation:** Following faculty members and students visited the site
 - (A) Mr. Aditya Sharma
 - (B) Mr. Shashank Gupta,
 - (C) Mrs. Anshu Tiwari,Assistant Professor,
Department of Civil Engineering.
 - Total 29 students went to visit the site
 - Visit was arranged by **Mr. Ravi Sharma, GA Head OIC of Avantika Gas Limited.**

Transport: Students reported in civil department at 11am and visited the site by the university bus.

Objective of The Visit:

- (A)-To make student familiar with transport and supply of different Pressurized Gases.
- (B)-To show, how the gas are circulate in area
Like- (LPG, PNG, CNG etc.)
- (C)-To show student, different types of machine and design where gas supply is done.

Feedback from Student

The students gained practical experience of the gases and understood the process of how all the pressurized gases are formed and also understood their supply chains from national level to our homes.

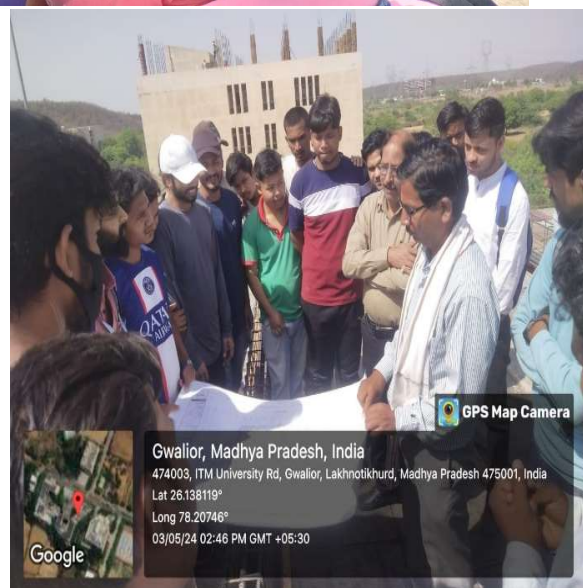




List of student

Sr no.	Roll no.	Name of Students
1	BETN1CE23001	Khushi
2	BETN1CE23002	Akash Rathore
3	BETN1CE23004	Abdoul Marouf
4	BETN1CE23006	Vikash Singh Tomar
5	BETN1CE23009	Manish Sahni
6	BETN1CE23010	Om Rawat
7	BETN1CE22001	Ayush Kumar Sharma
8	BETN1CE22004	Rohit Singh Tomar
9	BETN1CE22005	Shubham Singh Tomar
10	BETN1CE22007	Harsh Gurjar
11	BETN1CE22008	Suryabhan Dhakad
12	BETN1CE22010	Aditya Dhakad
13	BETN1CE22012	Chuma Anesu Ashman
14	BETN1CE22013	Aditya Gautam
15	BETN1CE22014	Hardesh Solanki
16	BETN1CE22019	Amit Raj
17	BETN1CE22020	Pramendra Kumar Singh
18	BETN1CE22021	Rohit Chaudhary Lekhi
19	BETN1CE23D01	Lalrinmuana
20	BETN1CE21001	Abhi Arya
21	BETN1CE21002	Gulab Dev Das
22	BETN1CE21003	Harsh Niket
23	BETN1CE21004	Somnath Ray
24	BETN1CE21008	Arindam Kumar
25	BETN1CE21009	Voice Raj Meena
26	BETN1CE21010	Ankit Yadav
27	BETN1CE21011	Arun Kumar Yadav
28	BETN1CE22D02	Gemin Tali
29	BETN1CE19006	Cisse Mohammad

Extension of MG Block (ITM University):





The Gwalior International Cricket Stadium Shankarpur:





Extension of Sports Complex (ITM University):



