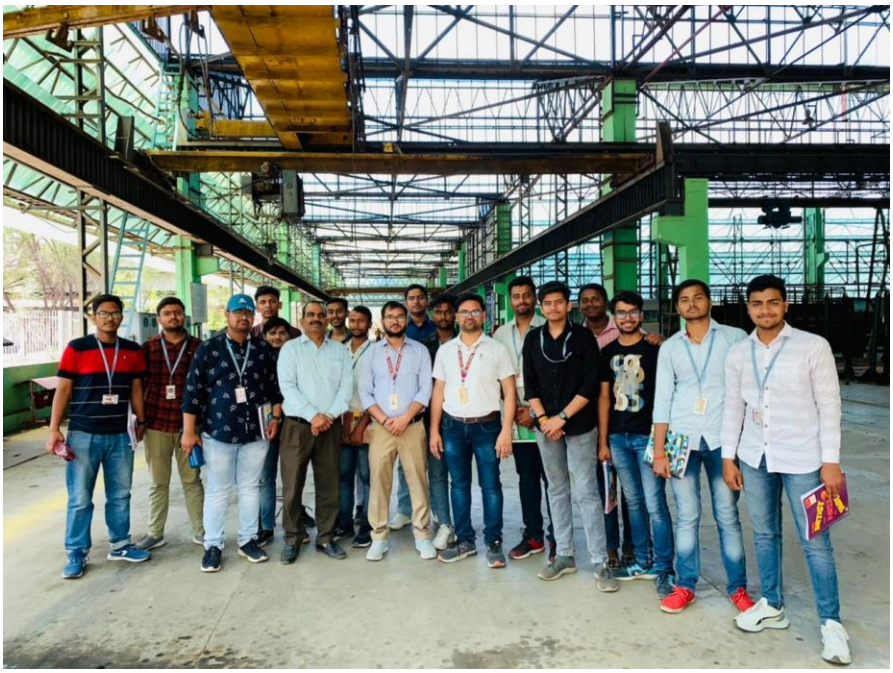
ITM UNIVERSITY
GWALIOR • MP • INDIA
"CELEBRATING DREAMS"

REPORT ON INDUSTRIAL VISIT TO RAIL SPRING KARKHANA- SITHOULI



1. **General**: Industrial visit for students of 2nd semester Mechanical and Agriculture Engineering was organized on 5thApril 2023. The students were taken to Rail Spring Karkhana- Sithouli

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

(a) Mr. Arun Singh Kushwah and Mr. Sateesh Kumar, Assistant Professor, Department of Mechanical Engineering.

(b) Students of 2nd semester Mechanical and Agriculture Engineering,15 in numbers.

3. Visit was arranged by Mr. Sanjeev Chaba, Assistant Workshop Manager, Rail Spring Karkhana- Sithouli (Mob no.09752447004).

4. **Transport**: Bus for the visit was provided by University.

5. **Objective of the visit**:

(a) To make students familiar with the industrial environment.

(b) To show students, how actually industry works.

(c) To show students, manufacturing of rail springs.

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

6. **Learning Outcomes**:

(a) Students learned about effect of alloying element on the rail steel.

(b) Students also learned about forging process.

(c) Studentsvisitedthepreheatingfurnacewheretheylearnedabouttheeffectof various temperature ranges on the properties of rail steel.

(d) Students learned about coiling of steel wires into springs.

(e) Students learned about hardness testing, compression testing, shot peening and crack detection method.

(f) Students also learned about the safety measures which are must while working in an industry and daily routine also.

7. **Feedback from students**:

The students gained practical experience of the industry and understood the manufacturing process practically to create a spring. There, students saw, understood and analyzed all the measures like furnace, rolling, shot pinning, industrial crane, industrial robot etc.

Date:6th April2023

Arun Singh Kushwah

Assistant Professor

Department of Mechanical Engineering

List of students-

S.No.	Name	Roll No.
1	Sujal Gupta	BETN1ME22001
2	AlpeshTomar	BETN1ME22002
3	Joel Singh Bhadoriya	BETN1ME22003
4	AniketKaurav	BETN1ME22004
5	JugalRawat	BETN1ME22005
6	Sanjay Singh	BETN1ME22006
7	DhruvVerma	BETN1ME22007
8	Nishant Sharma	BETN1ME22008
9	Yashvardhan Singh Sikarwar	BETN1ME22009
10	MohdHasan Khan	BETN1AG22001
11	Jay Soni	BETN1AG22002
12	Harsh Kumar	BETN1AG22007
13	MalipuramVivek	BETN1AG22008
14	Om Kumar Gupta	BETN1AG22011
15	KartikParsai	BETN1AG22013
Faculty coordinator		
1	Mr. Arun Singh Kushwah	
2	Mr. Sateesh Kumar	

REPORT ON INDUSTRIAL VISIT TO RAIL SPRING KARKHANA-SITHOULI

8. **General**: Industrial visit for students of 8th semester Mechanical and 2nd semester Civil Engineering was organized on 7thApril 2023. The students were taken to Rail Spring Karkhana-Sithouli

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

(a) Mr.Arun Singh Kushwah and Dr. Shashikant Pandey, Assistant Professor, Department of Mechanical Engineering.

(b) Studentsof8th semester Mechanical and 2nd semester Civil Engineering, 15 in numbers.

10. Visit was arranged by Mr. Sanjeev Chaba, Assistant Workshop Manager, Rail Spring Karkhana- Sithouli (Mob no.09752447004).

11. **Transport**: Bus for the visit was provided by University.

12. **Objective of the visit**:

(a) To make students familiar with the industrial environment.

(b) To show students, how actually industry works.

(c) To show students, manufacturing of rail springs.

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

13. **Learning Outcomes**:

(a) Students learned about effect of alloying element on the rail steel.

(b) Students also learned about forging process.

(c) Studentsvisitedthepreheatingfurnacewheretheylearnedabouttheeffectof various temperature ranges on the properties of rail steel.

(d) Students learned about coiling of steel wires into springs.

(e) Students learned about hardness testing, compression testing, shot peening and crack detection method.

(f) Students also learned about the safety measures which are must while working in an industry and daily routine also.

14. **Feedback from students**:

The students gained practical experience of the industry and understood the manufacturing process practically to create a spring. There, students saw, understood and analyzed all the measures like furnace, rolling, shot pinning, industrial crane, industrial robot etc.

Date: 6th April2023

Arun Singh Kushwah

Assistant Professor

Department of Mechanical Engineering

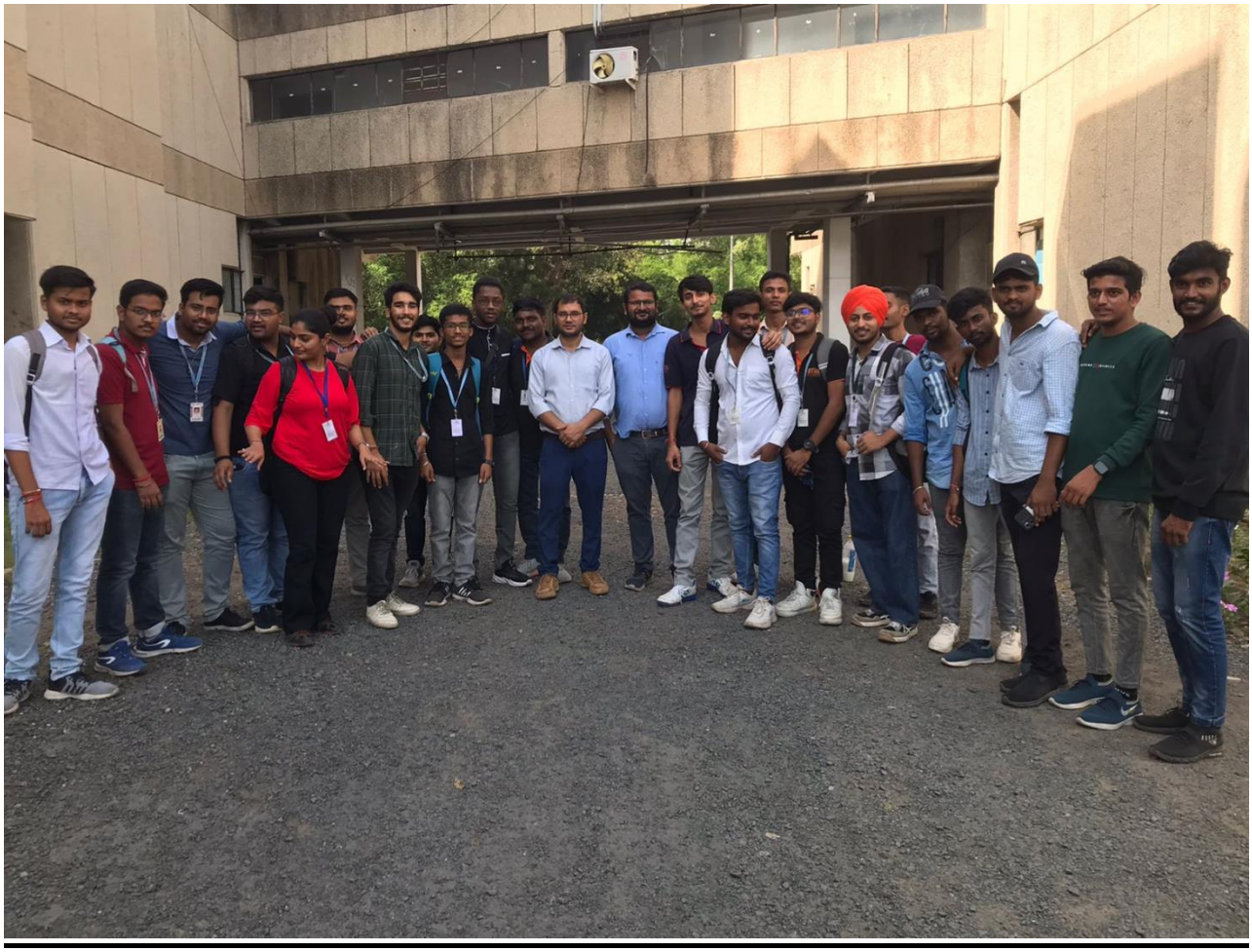
List of students-

S.No.	Name	Roll No.
1	Manmeet Singh	BETN1ME19011
2	Rohit Kumar Vaishya	BETN1ME19017
3	Ayush Kumar Sharma	BETN1CE22001
4	Vishal Singh	BETN1CE22003
5	Rohit Singh Tomar	BETN1CE22004
6	Shubham Singh Tomar	BETN1CE22005
7	SuryabhanDhakad	BETN1CE22008
8	Aditya Dhakad	BETN1CE22010
9	CHUMA ANESU	BETN1CE22012
10	Aditya Gautam	BETN1CE22013
11	Herdesh Solanki	BETN1CE22014
12	Amit Raj	BETN1CE22019
13	Pramendra Kumar Singh	BETN1CE22020
14	Rohit Chaudhary Lekhi	BETN1CE22021
15	Vinay Sharma	BETN1CE22022
Faculty coordinator		
1	Mr. Arun Singh Kushwah	
2	DrShashikant Pandey	

ITM UNIVERSITY
GWALIOR • MP • INDIA
"CELEBRATING DREAMS"

REPORT ON INDUSTRIAL Visit

Sanchi Dairy Sanyantra (Banmore)



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

16. **Participation**:

Following faculty members and students visited the plant

(a) Dr. 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 5thsemester 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,08innumber

17. Visit was arranged by Narendra Gautam,Sanchi Dairy SanyantraBanmor.

18. **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 and difference between theoretical and practical concepts.

19. **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.

20. **Feedback from students:**

Students gave positive feedback to words practical exposer of modern dairy plant.

List of present students during Industrial visit-

S.No.	Name	Branch	Semester
01.	DeepikaBhadoriya	ME	7thSEM
02.	Suraj kumar	ME	7thSEM
03.	Anikethdiwedi	ME	7thSEM
04.	Berthefedal	ME	7thSEM
05.	Divyansh Pamnani	ME	5thSEM
06.	BavandeepSinghChauhan	ME	5thSEM
07.	KrishnaGupta	ME	5thSEM
08.	YogendraSingh	AGE	5thSEM
09.	Manne.Eshwar	AGE	5thSEM

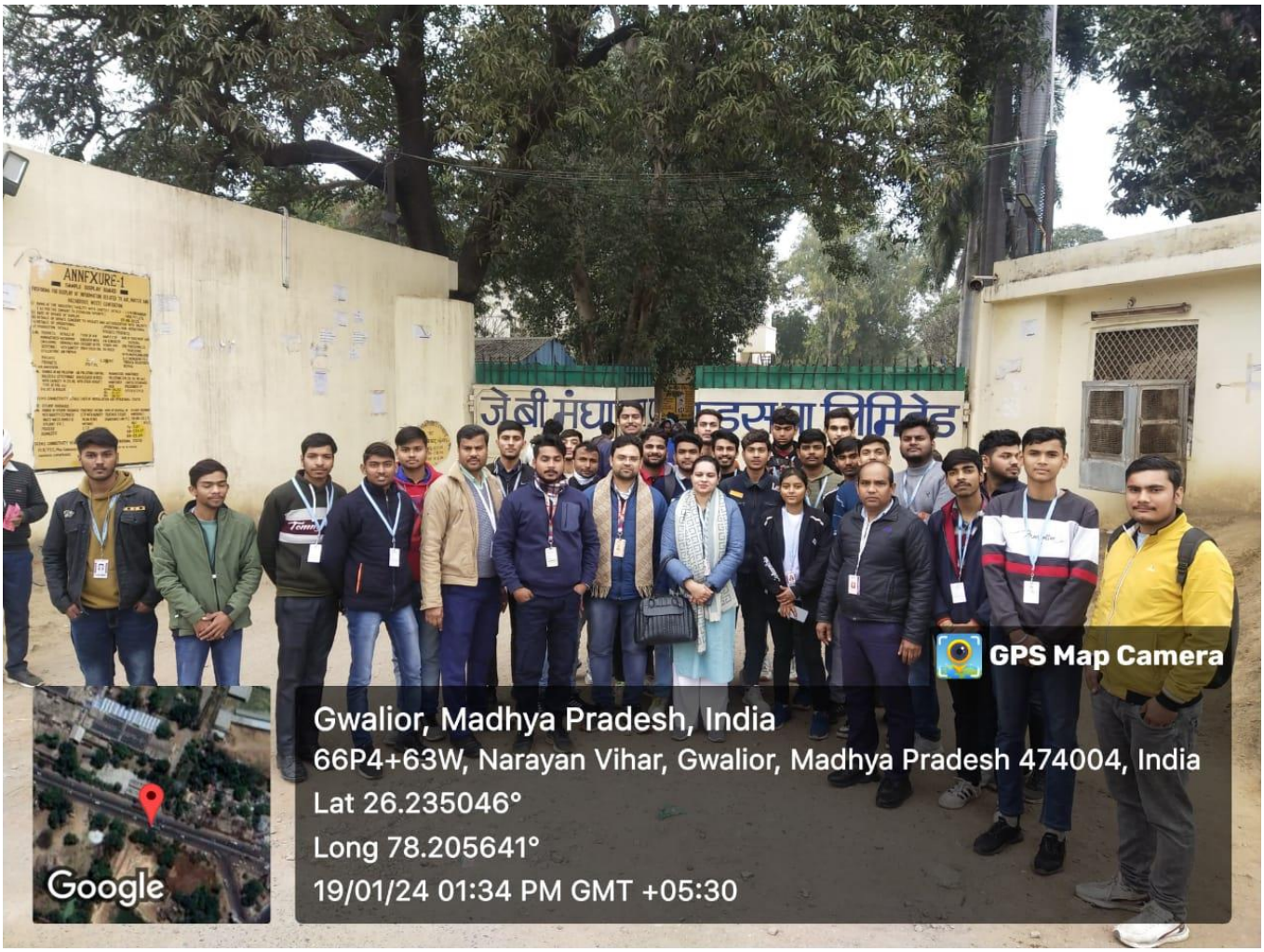
10.	W.Dixit	AGE	5thSEM
11.	G.Aravind	AGE	5thSEM
12.	P.Nagasai	AGE	5thSEM
13.	S.Vignesh	AGE	5thSEM
14.	B. Manohar	AGE	5thSEM
15.	GulabDevDas	CE	5thSEM
16.	HarshNiket	CE	5thSEM
17.	VoiceRajMeena	CE	5thSEM
18.	ArindamKumar	CE	5thSEM
19.	AbhiArya	CE	5thSEM
20.	AnkitYadav	CE	5thSEM
21.	AniketKaurav	ME	3thSEM
22.	SanjaySingh	ME	3thSEM
23.	AlpeshTomar	ME	3thSEM
24.	SujalGupta	ME	3thSEM
25.	JugalRawat	ME	3thSEM
26.	DhruvVerma	ME	3thSEM
27.	OmGupta	AGE	3thSEM
28.	JaiSoni	AGE	3thSEM
29.	HarshKumar	AGE	3thSEM
30.	MohammadHasanKhan	AGE	3thSEM
31.	VivekMalkipuram	AGE	3thSEM
32.	Toran	AGE	3thSEM
33.	RohitTomar	CE	3thSEM
34.	AdityaGautam	CE	3thSEM
35.	ShubhamTomar	CE	3thSEM
36.	HirdeshSolanki	CE	3thSEM
37.	AneshuChuma	CE	3thSEM
38.	SuryabhanDhakar	CE	3thSEM
39.	AdityaDhakad	CE	3thSEM
40.	AyushSharma	CE	3thSEM

Head
Department of Mechanical Engineering

ITM UNIVERSITY
GWALIOR • MP • INDIA
"CELEBRATING DREAMS"

REPORT ON INDUSTRIAL VISIT ,

J B Mangharam Foods Private Limited Gwalior



21. **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.

22. **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

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

24. **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.

25. **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 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.

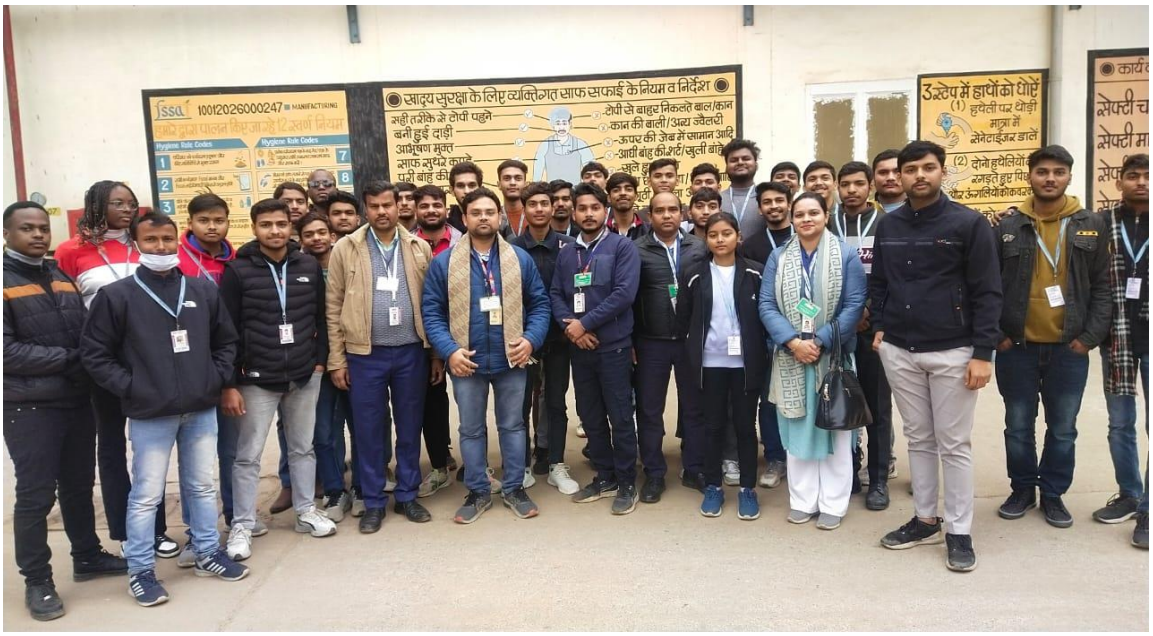
26. **Feedback from students**:

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

Date:19th January2024

Mr. Prabhu Dayal
Assistant Professor
Mechanical Engineering

ITM UNIVERSITY
GWALIOR • MP • INDIA
"CELEBRATING DREAMS"



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	4thSEM
07.	Alpesh Tomar	ME	4thSEM
08.	Jagal Rawat	ME	4thSEM
09.	Sanjay singh	ME	4thSEM
10.	Druv Verma	ME	4thSEM
11.	Yash Vardhan Singh	ME	4thSEM
12.	Aniket Kaurav	ME	4thSEM
13.	Nishant Sharma	ME	4thSEM
14.	Babu Ali	ME	6thSEM
15.	Bavandeep	ME	6thSEM
16.	Divyansh Pannani	ME	6thSEM
17.	Vijay Sharma	ME	6thSEM
18.	Krishna Gupta	ME	6thSEM
19.	Abhishek Singh Tomer	AGE	2nd SEM
20.	Arun Rajak	AGE	2nd SEM
21.	Om Patel	AGE	2nd SEM
22.	OmGupta	AGE	4thSEM
23.	JaiSoni	AGE	4thSEM
24.	HarshKumar	AGE	4thSEM
25.	MohammadHasanKhan	AGE	4thSEM

26.	VivekMalkipuram	AGE	4thSEM
27.	Toran	AGE	4thSEM
28.	Khushi	CE	2nd SEM
29.	Abdul	CE	2nd SEM
30.	Vikash	CE	2nd SEM
31.	Akash	CE	2nd SEM
32.	Aditya Gautam	CE	4thSEM
33.	Suryabhan Dhakar	CE	4thSEM
34.	Sanon Moakiatou	CE	4thSEM
35.	AneshuChuma	CE	4thSEM
36.	Rohit Tomar	CE	4thSEM
37.	Ayush Kumar Sharma	CE	4thSEM
38.	Vikash Harwariya	CE	4thSEM

Head
Department of Mechanical Engineering