

REPORT ON INDUSTRIAL VISIT TO KVK, Gwalior




1. **General:** Industrial visits for students of 4th semester Mechanical & Agriculture Engineering, 2nd semester Mechanical, Agriculture & Civil Engineering were organized on 06 April 2023. The students were taken to KVK, Thatipur, Gwalior

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

- (a) Dr. R. S. Rajput Associate Professor, Dr. Shashikant Pandey & Mr. Arun Singh Kushwah, Assistant Professor.
- (b) Students of 4th semester Mechanical Engineering, 03 in number
- (c) Students of 4th semester Agriculture Engineering, 13 in number
- (d) Students of 2nd semester Mechanical Engineering, 05 in number
- (e) Students of 2nd semester Agriculture Engineering, 06 in number
- (f) Students of 2nd semester Civil Engineering, 09 in number

3. Visit was arranged by Dr. Raj Singh Kushwah, Krishi Vigyan Kendra, Distt. Gwalior, Contact No.: +91-9575336761.

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


(Dr. R. S. Rajput)
HOD - ME

5. Objective of the visit:

- (a) To make students familiar with the modern trend in agriculture engineering.
- (b) To show student, how natural farming is done.
- (c) To show students, various aspects, machinery, used in agriculture applications.
- (d) To show students, the similarity & difference between theoretical and practical concepts.

6. Learning Outcomes:

- (a) Students learned about natural farming and their advantages.
- (b) Students also learned about Verme compost making process.
- (c) Students visited the modern poultry form, garden, nursery, goat farm etc. in the KVK, Thatipur.
- (d) Students learned about how to do organic farming.
- (e) Students learned about various machinery used in agriculture, purpose.
- (f) Students also learned about the various types of irrigation techniques.

7. Feedback from students:

Students gave positive feedback to words practical exposor of modern agriculture practices and natural framing.

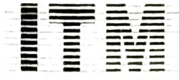
Date: 6th April 2023

Dr. Shashikant
 Assistant Professor
 Mechanical Engineering

List of present students during Industrial visit-

Name of student	Roll No.
Aditya Gautam	BETN1CE22013
Aditya Dhakad	BETN1CE22010
Hardesh Solanki	BETN1CE22014
RohitTomar	BETN1CE22004
Uimay Sharma	BETN1CE22022
Harsh Gurjar	BETN1CE22007
AmeroChuma	BETN1CE22012
Pramendra Kumar Singh	BETN1CE22020
RohitChaudhari	BETN1CE22021
AniketKaurav	BETN1ME22004
Sanjay Singh	BETN1ME22006
AlpeshTomer	BETN1ME22002
Sujal Gupta	BETN1ME22001
Nishant Sharma	BETN1ME22008



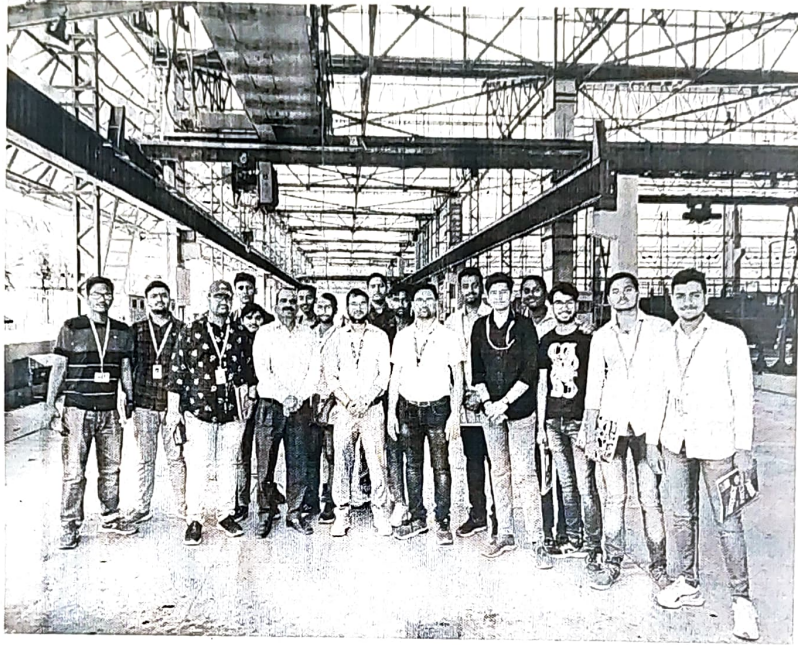


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"CELEBRATING DREAMS"

Md. Hasan Khan	BETN1AG22001
Jay Soni	BETN1AG22002
Harsh Kumar	BETN1AG22007
Vivek M	BETN1AG22008
Om Gupta	BETN1AG22011
KartikParsai	BETN1AG22013
AjayendraDutt Shukla	BETN1AG21001
Yogendra Singh	BETN1AG21003
Yashpal Singh Solanki	BETN1AG21004
Manne Eshwar	BETN3AG22D01
WaghmareDixith	BETN3AG22D02
GundaramAravind	BETN3AG22D03
Manda Deepak	BETN3AG22D04
Suravu Raju	BETN3AG22D05
NagasaiPonnamm	BETN3AG22D06
PakalaHarshaVardhan Reddy	BETN3AG22D07
BodduPavan	BETN3AG22D08
Takoor Nikhil Singh	BETN3AG22D11
B Manohar	BETN3AG22D12
Babu Ali	BETN1ME21001
Bavandeep Singh	BETN1ME21002
Vijay Kumar Sharma	BETN1ME21005

REPORT ON INDUSTRIAL VISIT TO RAIL SPRING KARKHANA-SITHOULI



1. **General:** Industrial visits for students of 2nd semester Mechanical and Agriculture Engineering were organized on 5th April 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:**


(D.S. R.-S. Rajput)
HOD-ME

- (a) Students learned about effect of alloying element on the rail steel.
- (b) Students also learned about Forging process.
- (c) Students visited the preheating furnace where they learned about the effect of 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 April 2023



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	

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REPORT ON INDUSTRIAL VISIT TO RAIL SPRING KARKHANA-SITHOULI



1. **General:** Industrial visits for students of 8th semester Mechanical and 2nd semester Civil Engineering were organized on 7th April 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 Dr. Shashikant Pandey, Assistant Professor, Department of Mechanical Engineering.
 - (b) Students of 8th semester Mechanical and 2nd semester Civil 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.

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DS
Dr. R. S. Jyoti
HOD-ME

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) Students visited the preheating furnace where they learned about the effect of 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: 8th April 2023


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	