

REPORT ON INDUSTRIAL VISIT TO RAIL SPRING KARKHANA-SITHOULI



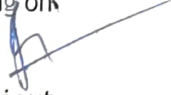
1. **General:** Industrial visit for students of 4th & 2nd semester Mechanical Engineering was organized on 25th May 2022. The students were taken to Rail Spring Karkhana- Sithouli.
2. **Participation:**
 - (a) Following faculty members and students visited the plant -Dr. Rajendra Singh Rajput, HOD-ME & Mr. Jai Kumar, Assistant Professor.
 - (b) Students of 2nd and 4th semester Mechanical Engineering, 17 in number. (25th May 2022)
3. Visit was arranged by Mr. Sanjeev Chava, Asst. Workshop Manager, Rail Spring Karkhana-Sithouli (Mob no.9752447004).
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) 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:

Students had a comprehensive knowledge of furnace, forging, heat treatment and cooling, rolling of steel and crack detection testing and other parameters of testing on state of the art CNC machines.

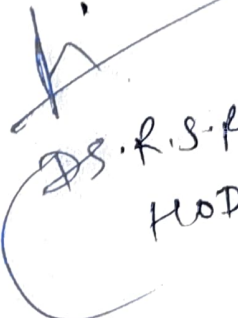
Date: 25th May 2022


 Dr. R. S. Rajput
 HOD-ME

S. No.	Roll No.	Name of Student
1	BETN1ME20001	Deepika bhadoria
2	BETN1ME20002	Kuldeep Yadav
3	BETN1ME20004	Shivam Singh Narwariya
4	BETN1ME20005	Suraj Kumar
5	BETN1ME20006	Berthe Fadel Yashin
6	BETN1ME20007	Yogesh Kashyap
7	BETN1ME20008	Aniket Dwivedi
8	BETN1ME20009	Harsh Vishwakarma
9	BETN1ME20010	Dube Absolute M J
10	BETN1ME20011	KRISHNA PRASAD CHAUDHARY
S. No	Roll No	Name
1	BETN1ME21001	Babu ali
2	BETN1ME21002	Bavandeep Singh
3	BETN1ME21003	Divyansh pamnani
4	BETN1ME21004	Sonu Rawat
5	BETN1ME21005	Vijay Kumar Sharma



6	BETN1ME21006	Krishna Gupta
AG		
1	BETN1AG21001	Ajayendra shukla
3	BETN1AG21003	yogendra singh
4	BETN1AG21004	Yashpal singh Solanki


D.S.R.S. Rajput
HOD. ME

REPORT ON INDUSTRIAL VISIT TO ENGIPIRESS RAIL SLEEPER FACTORY- Morena

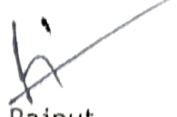


1. **General:** Industrial visit for students of 4 and 6 semester Mechanical Engineering and 6 sem Civil Engineering was organised on 14 May 2022. The students were taken to Engipress Rail Sleeper Factory-Morena.
2. **Participation:** Following faculty members and students visited the plant
 - (a) Dr. R. S Rajput, HOD-ME & Dr. R K Jain, Professor and Mr. Arun Kushwah, Asst. Professor.
 - (b) Students of 4 and 6 semester Mechanical Engineering, 43 in number.
3. Visit was arranged by Mr. Abhay Agarwal, Director, Engipress Rail Sleeper Factory- Morena (Mob no.09893127789).
4. **Transport:** Bus for the visit was provided by University.
5. **Objective of the visit:**
 - (a) To show students, manufacturing of railway sleepers.
 - (b) To show students, casting of concrete.
 - (c) To explain, prestressed concrete and its benefits.
 - (d) To show students, how actually industry works.
 - (e) To make students familiar with the industrial environment.
 - (f) To show students, the similarity & difference between theoretical and practical concepts of engineering.
6. **Learning Outcomes:**
 - (a) Students learned about manufacturing of railway sleepers.
 - (b) Students also learned casting allowances.
 - (c) Students learned about mechanical vibrator.
 - (d) Students learned about properties of concrete, which is an essential part of their syllabus of Material Science and Basic Civil Engineering.

Dr. R. S. Rajput
HOD-ME

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

Date: 14th May 2022


 Dr. R S Rajput
 HOD
 Mechanical Engineering

S No	Name	Roll No
1	Abhay kumar saini	BETN1ME19001
2	Amit singh Tomar	BETN1ME19003
3	Animesh Panigrahi	BETN1ME19004
4	Archana Routaray	BETN1ME19005
5	Ayush Singh Chauhan	BETN1ME19007
6	Chirag singh tomar	BETN1ME19008
7	Himanshu sharma	BETN1ME19009
8	Manish kumar prasad	BETN1ME19010
9	Manmeet Singh	BETN1ME19011
10	Mohit mathe	BETN1ME19012
11	Narendra yadav	BETN1ME19014
12	Rajkumar singh gurjar	BETN1ME19015
13	Ramesht dubey	BETN1ME19016
14	Rohit kumar vaishya	BETN1ME19017
15	Sunny ojha	BETN1ME19018
16	Vinayak tiwari	BETN1ME19019
17	Nakul Verma	BETN3ME20D01
18	Pankaj Singh	BETN3ME20D02
19	Aman Gangwar	BETN1PT19001

20	Raviraj Bhagat	BETN1AG19002
21	Akhilesh S Gahlot	BETN1AG19003
22	Ashutosh Mishra	BETN1AG19004

S. No.	Roll No.	Name of Student
1	BETN1ME20001	Deepika bhadoria
2	BETN1ME20002	Kuldeep Yadav
3	BETN1ME20004	Shivam Singh Narwariya
4	BETN1ME20005	Suraj Kumar
5	BETN1ME20006	Berthe Fadel Yashin
6	BETN1ME20007	Yogesh Kashyap
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10	BETN1ME20011	KRISHNA PRASAD CHAUDHARY

(J.P. S. Rajput)
HOD. ME