



Uka Tarsdia University
Mechanical Engg. Dept.
CGPIT

Field Visit / Industrial Visit
D H Patel & Associates Pvt Ltd, Surat

Date: 18th September 2024

Venue: D H Patel & Associates Pvt. Ltd., Surat

Time: 09:30 am to 01:30 pm

Total No. of Participants: 17

Event Coordinator: Dr. Hiren Shah

Program objective: To understand the Industrial EHS (Environment, Health & Safety)

Program outline:

- Introduction to Safety: Hazard Identification & Accident Prevention
- Legislation on Safety: Understanding, Case Study.
- Safety in Materials Handling; Types of Lifting equipment and their Inspection

Program outcomes:

- Hazard Identification & Risk Assessment: Participants will develop skills to identify workplace hazards and assess risks, enabling effective accident prevention.
- Knowledge of Safety Legislation: Participants will gain insights into safety laws and regulations through real-life case studies, ensuring compliance and safety.
- Application of EHS Principles: Participants will learn to integrate Environmental, Health, and Safety (EHS) principles into daily operations, promoting a culture of safety and responsibility.

Schedule of Event

Time	Activity
09:20 am	Reached to D H Patel & Associates Pvt Ltd, Surat
09:30 am to 10:00 am	Importance of Safety
10:00 am to 10:10 am	Tea Break
10:10 am to 10:40 am	Hazard Identification and Accident Prevention
10:40 am to 11:10 am	Case Study: Bhopal gas tragedy
11:10 am to 11:40 am	Legislation on Safety
11:40 am to 12:00 noon	Break
12:00 noon to 12:45 pm	Safety in Materials Handling
12:45 pm to 01:30 pm	Types of Lifting equipment and their Inspection

List of Participants

Name of Participant	Enrolment No	Stream	Name of Program
Aryan Pravinbhai Patel	20210310351014	B.Tech	Mechanical Engineering
Shashank Kantibhai	20210310351026	B.Tech	Mechanical Engineering
Cherag Nilesh Mistry	20220310352000	B.Tech	Mechanical Engineering
Meet Umeshbhai Tank	20220310352000	B.Tech	Mechanical Engineering
Tiger Bhanupratap	20220310352001	B.Tech	Mechanical Engineering
Vimal Kumar Gandhi	20220310352002	B.Tech	Mechanical Engineering
Viraj Amar Desai	20220310352002	B.Tech	Mechanical Engineering
Parth Gautamkumar	20220310352004	B.Tech	Mechanical Engineering
Priyank Sanjaybhai	20220310352005	B.Tech	Mechanical Engineering
Kunal Rajesh Salunke	20220310352006	B.Tech	Mechanical Engineering
L S Ram Anil P	20220310352006	B.Tech	Mechanical Engineering
Lalit Bhagvatilal Purohit	20220310352007	B.Tech	Mechanical Engineering
Brijesh A Bhatia	20220310352009	B.Tech	Mechanical Engineering
Khush Jayesh Wadia	20220310352011	B.Tech	Mechanical Engineering
Brijesh Prakashbhai Patel	20220310352013	B.Tech	Mechanical Engineering
Mihir Jayeshkumar Modi	20220310352014	B.Tech	Mechanical Engineering

Event Introduction:

The field visit on September 18, 2024, to D H Patel & Associates Pvt. Ltd., Surat, founded by Chartered Engineer Mr. D. H. Patel, provided final-year B.Tech Mechanical Engineering students with valuable insights into industrial hygiene, safety, legislation, and accident prevention. A total of 17 students benefited from the visit, which held significant importance by bridging theoretical knowledge with practical application, offering real-world exposure to Industrial EHS—a crucial aspect of their academic and professional development.

The company is led by Competent Person and Director Mr. Harsh D. Patel. In addition to Industrial EHS, the firm offers solutions such as industrial inspections, technical drawings, gas line and pressure inspections, EOT and crawler crane services, NDT services, and fire safety solutions. The visit was made possible through the efforts of Mr. Hiren R. Patel, a Competent Person at the firm, with Inspection Engineer Mr. Manthan Pathak serving as the main speaker for the event.

Key Highlights:

- **Safety Equipment Overview:** Students were introduced to essential safety gear such as slings, hooks, helmets, safety shoes, gloves, safety glasses, and full PPE kits, emphasizing their importance in maintaining industrial safety standards.
- **Movie-Based Learning:** The session featured a film on safety procedures and accident prevention strategies, reinforcing theoretical knowledge through practical examples.
- **D-Cycle & Bow Cycle Concepts:** The session covered the D-Cycle and Bow Cycle methodologies, focusing on systematic approaches to hazard identification and accident prevention.

Overview of Schedule:

- **Introduction and Welcome:** The visit began with an overview of D H Patel & Associates Pvt. Ltd., followed by an introduction to essential safety equipment, including helmets, safety shoes, and PPE kits.
- **Educational Session on Safety Cycles:** Mr. Manthan Pathak presented the principles of the D-Cycle and Bow Cycle, discussing their role in industrial safety and accident prevention.
- **Movie-Based Learning:** A short film on industrial safety practices was shown, followed by a group discussion on key takeaways.
- **Q&A and Facility Tour:** The visit concluded with a tour of the company's facilities, where students observed safety protocols in action and engaged in a Q&A session.

Notable Discussions:

- **D-Cycle and Bow Cycle:** In-depth discussions on how these cycles help manage hazards and reduce workplace risks, with a focus on practical application in industrial environments.
- **Significance of PPE:** The importance of personal protective equipment, including helmets, safety shoes, gloves, and safety glasses, was highlighted, showcasing how each item contributes to worker safety.
- **Safety in Lifting Equipment:** Discussions emphasized the correct use of slings and hooks, alongside the necessity of regular inspection to ensure operational safety.
- **PDIS:** Post Diploma in Industrial Safety.

Overall Success and Impact:

The field visit provided students with a comprehensive understanding of industrial EHS. By incorporating D-Cycle and Bow Cycle safety strategies and emphasizing the importance of proper PPE use, the visit successfully connected theoretical concepts with real-world applications. The movie-based learning element further enriched the experience, providing practical insights into accident prevention and safety management, crucial for their future roles in the industry.





Concluding Remarks

- The objectivity of the program as per the NAAC criteria
- Mention the NAAC criteria and its relevance.

Industrial visits primarily fall under the following criteria of NAAC:

- **Criterion 4: Infrastructure and Learning Resources**
This criterion assesses the adequacy and utilization of infrastructure and learning resources, including external resources such as industrial visits, to enhance the quality of education and student learning outcomes.
- **Criterion 5: Student Support and Progression**
This criterion evaluates the effectiveness of student support services, including career guidance and counseling, in facilitating student progression and ensuring their holistic development. Industrial visits play a crucial role in providing students with exposure to industry practices and potential career pathways.

Report prepared by: Dr. Hiren A. Shah

Date: 20th September 2024

Sign of the HOD

Prof. Darshan A. Kapadia

Sign of Director

Prof. B. M. Vadher