

Exposure and field visit for problem identification:

Report on Exposure Visit to Bureau of Indian Standards (BIS)

Date: 31-10-2023

Location: Bureau of Indian Standards, Central Laboratory, Sahibabad, Ghaziabad, Uttar Pradesh

Participants: 38 students and 6 Teachers from Shyam Lal College

Introduction:

On the 31st of October 2023, 38 students and 6 teachers from Shyam Lal College participated in an exposure visit to the Bureau of Indian Standards (BIS) Central Laboratory in Sahibabad, Ghaziabad, Uttar Pradesh. The visit was organized by the Standard Club of Shyam Lal College in collaboration with BIS.

Orientation Program:

The day commenced with an insightful orientation program, where BIS officials provided an overview of the importance of Indian Standards and how to write a standard. They stressed the significance of standards in ensuring the quality, safety, and reliability of products and services. This introductory session set the tone for the entire visit.

Video Presentation:

Following the orientation, the students and teachers were shown a video through a short film, which vividly explained the necessity and relevance of standards in our daily lives. This video provided a clear understanding of how standards impact various industries and consumers.

Laboratory Visits:

The students were then guided through a series of laboratory visits, where they had the opportunity to witness the practical application of standards. These visits included:

1. **Wiring Accessories Section:** In this section, the BIS experts explained the various types of tests used to check the quality of wires. The students gained valuable insights into how electrical wiring is rigorously tested to meet safety and performance standards.
2. **Home Application Section:** This segment included a detailed explanation of how various home appliances and products are subjected to BIS testing. The experts addressed students' queries and doubts, providing a comprehensive understanding of product quality assessment.
3. **Helmet Testing Laboratory:** The visit to the helmet testing laboratory showcased the rigorous safety standards that helmets must meet to ensure head protection. Students observed how helmets are tested to withstand impacts.

4. Toy Testing Laboratory: In this section, students were introduced to the testing procedures for children's toys. The experts explained the stringent safety standards in place to protect young consumers.
5. Footwear Testing Laboratory: The students had the opportunity to witness the testing of footwear to meet quality and safety standards. This visit highlighted the importance of quality assurance in everyday products.

Following the informative and engaging laboratory visits, the students and teachers were treated to a sumptuous lunch provided by BIS. This break allowed for informal discussions and the sharing of experiences.

6. Cylinder Section:

The final leg of the visit took the participants to the Cylinder Section, where they learned about the safety and quality standards associated with gas cylinders. This section offered valuable insights into the meticulous testing and certification of gas containers.

Conclusion:

The exposure visit to the Bureau of Indian Standards was an enriching and educational experience for the 38 students and 6 teachers from Shyam Lal College. The day provided a deep understanding of the role of standards in ensuring the quality and safety of products and services. It was a unique opportunity for the participants to witness firsthand the testing procedures and quality control measures that BIS employs to protect consumers and industries.

The visit left an indelible impression on the minds of the students and teachers, emphasizing the importance of adhering to standards in every aspect of life. The knowledge and insights gained during this visit will undoubtedly have a lasting impact on their academic and professional journeys.

We extend our sincere gratitude to the Bureau of Indian Standards for their warm hospitality and the invaluable knowledge shared with our group. This visit was a testament to the power of collaboration and the commitment to education and quality standards.



