



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli



Uka Tarsadia University

Chhotubhai Gopalbhai Patel Institute of Technology

Report of Industry-Alumni Session on “Industrial Work Place Safety”

Date: 30/03/2026

Venue: CGPIT Classroom: C-201

Speaker: Mr. Bhavin Vala, Assistant Manager-EHS, Aarti Industries Ltd. Ankleshwar.

Time: 11:00 AM to 1:00 PM

Total No. of Students: Students of B Tech & Diploma Chemical Engineering

Session Coordinator: 1 Dr. Susmit Ilame, Group Head, (Chemical/Civil/Env), UTU
2. Dr. Preeti Jain, Assistant Professor, Chemical Engineering

Program Objective:

An industrial workplace safety program aims to minimize accidents, injuries, and fatalities by identifying hazards, ensuring regulatory compliance (e.g., OSHA), and fostering a proactive safety culture. Core objectives include reducing downtime and insurance costs, training employees, managing risks through protective equipment and engineered solutions, and enhancing overall employee wellbeing

Program Outline:

1. **Introduction:** Overview of the Industrial work place safety: Principle, Practices & Prevention
2. **Key Objectives of an Industrial Safety Program:**
Prevent Accidents and Injuries: To achieve an injury-free workplace by eliminating hazards that cause temporary or permanent disability.

Ensure Regulatory Compliance: To meet federal, state, and local health and safety legislation, including OSHA standards.

Identify and Mitigate Risks: To systematically identify hazards (e.g., machinery, chemical, electrical) through inspections, risk assessments, and behavior-based safety protocols.

Foster a Safety Culture: To engage workers in safety training, reporting, and proper use of personal protective equipment (PPE).

Reduce Operational Costs: To lower expenses associated with accident investigations, compensation claims, medical treatments, and equipment damage.

Establish Emergency Readiness: To create actionable emergency plans, including evacuation procedures and fire safety training.

Program Outcomes:

Upon completion of the program, students will be able to:

- **Hazard Recognition and Control:** Ability to identify, evaluate, and mitigate physical, chemical, biological, and ergonomic hazards.
- **Risk Management & Assessment:** Skill in implementing safety management systems, conducting risk assessments, and auditing work environments to prevent accidents.
- **Regulatory Compliance:** Understanding of legal frameworks (e.g., Factories Act, OSHA, ILO standards) to ensure industry compliance and avoid penalties.
- **Proactive Safety Culture:** Development of skills to promote a proactive safety culture, shifting from reactive (post-incident) to preventive measures.
- **Emergency Preparedness:** Competence in creating emergency response plans, conducting drills, and managing incident investigations.
- **Engineering Safety Solutions:** Ability to design, test, and implement safe technical solutions, such as machine guards, PPE, and proper ventilation.
- **Effective Communication & Leadership:** Capacity to communicate technical safety data to various audiences, provide leadership in safety initiatives, and work in teams.
- **Environmental and Ethical Responsibility:** Integration of ethical, social, and environmental considerations into safety practices to ensure sustainability

Briefing of the Session:

Mrs. Renuka Modi and Dr. Preeti Jain, Assistant professor from Tech Chemical Engineering welcomes the guest Mr. Bhavin Vala. After that, the guest delivers the lecture and give brief knowledge of Process intensification for green energy transition. At the end, Mrs. Renuka Modi give vote of thanks and the Director of institute Prof. B.M. Vadher Sir gives appreciation letter as a token of gesture.

Photos of the Session







“In conclusion, Industrial workplace safety is a continuous, mandatory commitment that reduces accidents, boosts employee morale, and ensures regulatory compliance. Effective safety requires proactive risk assessment, proper PPE usage, regular training, and a culture where workers can halt unsafe work. It directly improves productivity and reduces financial liability from injury.

Report prepared by: Dr. Susmit Ilame, Head-Chemical/Civil Engg. UTU

Date: 01/04/2026

Sign of the Head