

Sarvajanik Education Society  
Sarvajanik College of Engineering & Technology, Surat  
**Department of Electrical and Chemical Engineering**

A

Report on  
One Day Workshop

**“Industrial Hazards and Fire Safety”**



**Date:** 30<sup>th</sup> August 2019

**Time:** 9.30-6.00 PM

**Venue:**

1. III Cell, IC Dept
2. Parking area of TIFAC (for demonstration of equipments in firefighting and Disaster management)

**Participants:** BE III Sem-V Electrical Engineering & Chemical Engineering students

**Total Participants:** 87

**Faculty coordinators:**

**Electrical Engineering**

1. Prof. Sharad Patel
2. Dr. Sandhya Rathore
3. Dr. Kalpesh Patil

Prof. Aditi Hajari  
**HOD,EED**

**Chemical Engineering**

1. Prof. Anand Upadhyay

Dr. Swati Sharma  
**HOD, CH**

One Day Workshop on “**Industrial Hazards & Fire Safety**” Schedule is as follows:

Sr. No	Timing	Event/Topic
1	9:30 to 10:00 am	Inauguration of Workshop
2	10:00 to 10:15 am	Tea Break
3	10:15 to 11:45 am	Expert Talk on Industrial Hazards by Mr. Nilesh Jugal
4	11:50 to 1:20 am	Expert Talk on Electrical Safety by Mr. Bharat Solanki
5	1:20 to 2:30 pm	Lunch Break
6	2:30 to 6:00 pm	Fire equipments exhibition by SMC at SCET dome

### **1. Expert Talk on Industrial Hazards**

The first session talk was delivered by **Mr. Nilesh Jugal** proprietor of **JOGI SafeTech PT. Ltd.**, Surat. **Mr. Nilesh Jugal** is a Chemical Engineer and Industrial safety consultants. JOGI SafeTech offers COMPREHENSIVE PROCESS SAFETY SERVICES like PSM (Process Safety Management), PHA (Process Hazards Analysis), HAZOP, QRA, HAC (Hazardous Area Classification), ERDMP (Emergency Response & Disaster Management Plan, EHS Training etc. Having a team of In-house Experts & Process Safety professionals; we provide process safety consulting and competence development services to the sectors like Pharmaceutical, Oil & Gas, Chemical, Petrochemical, Pesticides, Fertilizer, Food & Beverages, Mining, Transportation, Infrastructure, etc.

He talked about various Industrial Hazards and classification of it in different industries. He explained different mitigation techniques used against this hazardous in industries. He has given wonderful examples about each and every topic regarding Industrial Hazards. The expert talk was very interactive and informative. The participants have enjoyed the technical talk.

### **2. Expert Talk on Electrical Safety**

The second talk was regarding the electrical safety. The lecture was delivered by **Mr. Bharat Solanki**, who is proprietor of the firm **RBMS safety Training & Consultancy Services** which trains engineers and professionals about fire and electrical safety across the world. He trained around 30000 people still now. He explained about the various electrical fire possibilities in industries as well as commercial places. He has given the different technical ways to avoid these disasters. This session was very much interactive and interesting for electrical as well as chemical students. Actually, it was a inter-disciplinary topic.

### **3. Fire equipments Exhibition by SMC**

The third session was the key attraction of the entire one day workshop as it was the fire equipments exhibition. Mr Ishwar Patel, Fire Officer of Surat Municipal

Corporation with eight team members had come for demonstration of fire safety, disaster management equipments and other safety measures. Mr. Patel talked about various incidents and the techniques employed for mitigation, prevention and protection from such hazards in real life including those caused by fire at home, industries and commercial complexes for various classes of fire. The use of various equipments was demonstrated including hydraulic jack, cutter, pneumatic bags which had capacity to lift weights up to 50 tonnes. Also, fire was lit using petrol on wood (wastage) and students were taught to use different fire extinguishers to put off the fire.

## Glimpses of Event

### Expert Talk on Industrial Hazards



### Expert Talk on Electrical Safety





### Fire equipments Exhibition by SMC





