

**SARVAJANIK EDUCATION SOCIETY
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**



A brief compilation of the Lecture Series

On

“Recent Trends and Methods for Safe Industrial Practices”

February, 7-9, 2018

Venue: TIFAC Seminar Hall, SCET

Program Co-ordinators: Prof. (Dr.) Swati Sharma & Prof. Anshul Sharma

Co-Cordinators: Prof. Mazhar Multani & Prof. Parth Desai

*IICHe Students’
Chapter Co-ordinator: Prof. Srujal Rana*

Organized by,

Chemical Engineering Department

In Collaboration with

IICHe Student’s Chapter

CONTENTS

- 1. Schedule**
- 2. Summary**
- 3. Session Content and Photo Gallery**
- 4. Target Participants**
- 5. Feedback and Quiz / Report Session**
- 6. Acknowledgements**



1. Schedule

<div>Day & Date</div> <div>Time</div>	8:30 am to 10:00 am	10:00 am to 12 noon	12 noon to 2:00 pm	2:00 pm to 4:00 pm	4:00 pm to 4:30 pm
Wednesday 07/02/2018	Registration, Hi-Tea and Inauguration	Session I	Lunch	Session II	
Thursday 08/02/2018	Session I	Session II	Lunch	Session III	
Friday 09/02/2018	Session I	Session II	Lunch	Session III	Feedback, Quiz & Report

List of Experts:

Sr. No.	Day	Session	Speaker
1.	Day 1	Session I	Mr. Mahendra Lad
2.	Day 1	Session II	Mr. Mahesh Khabrani
3.	Day 2	Session I	Ms. Ankita Bhairaviya
4.	Day 2	Session II	Mr. KA Vyas
5.	Day 2	Session III	Mr. Himanshu Kabrawala
6.	Day 3	Session I	Dr. Kirit Solanki
7.	Day 3	Session II	Mr. Jignesh Desai
8.	Day 3	Session III	Mr. Kannan P.

2. Summary

This report provides a brief summary of the lecture series organized by Chemical Engineering Department in collaboration with IICChE Students' Chapter.

Safety considerations are an important part of our daily lives. Not only for our individual protection, but for the protection of others also. In order to maintain a high level of knowledge and awareness, each individual should comply with it.

In general, health and safety apply to all businesses, no matter how small. As a responsible citizen, employer, or a self-employed person, each one is responsible for health and safety in their own business. One needs to take the right precautions to reduce the risks of workplace dangers and provide a safe working environment.

Health and safety management should be a straightforward part of managing the workplace as a whole. It involves practical steps that protect people from harm and at the same time protect the future success and the growth of the business. Good practice in health and safety makes sound business sense.

Each year many people are killed at work (especially in industries) and many are injured or suffer ill health. The most common causes of serious injury at work are slips and trips and falls from height, in case of chemical industries it can be a fire, an explosion or a toxic gas leak. There are health conditions that can be caused or made worse by work and working environments, including stress and musculoskeletal disorders such as back pain.

The lecture series aims to provide the students with the knowledge and skills to manage Occupational safety and health, to enable them to communicate safety and health information to others. It also gives the participants the necessary information to help promote a culture of safety and health in the workplace. Furthermore, the lecture series also aims to impart the students a correct balance between production and safety. A total of 180 students registered for this lecture series for which certificates will also be provided.



Inauguration

3. Session Content and Photo Gallery

Day 1: Wednesday – 07/02/2018

Session I (10: 00 am to 12 noon)

- **Speaker: Mr. Mahendra Lad**
Sr. Safety Officer, Garden Silk Mills Ltd., CP Division, Jolwa
- **Topic: Basics Concepts of Safety Science: Hazard, Risk, Nature of the accident process, Use of engineering fundamentals in safety science**



Day 1: Wednesday – 07/02/2018

Session II (2: 00 pm to 4:00 pm)

- **Speaker: Mr. Mahesh Khabrani**
Manager (Safety), Utility Department, Garden Silk Mills Ltd., Vareli - Surat
- **Topic: Fault and Event Tree Analysis for risk prediction , Instruments for Safety like interlocks, PSVs**



Day 2: Thursday – 08/02/2018

Session I (8:30 am to 10:00 am)

- ***Speaker: Ms. Ankita Bhairaviya***
Deputy Manager - EIA, Detox Corporation Pvt. Ltd.
- ***Topic: Transportation of Hazardous Materials***



Day 2: Thursday – 08/02/2018

Session II (10:00 am to 12 noon)

- ***Speaker: Mr. KA Vyas***
Safety Officer – EHS Department, Larsen & Toubro Pvt. Ltd.
- ***Topic: Introduction to various PPEs (Personal Protective Equipments)***



Day 2: Thursday – 08/02/2018

Session III (2: 00 pm to 4:00 pm)

- ***Speaker: Mr. Himanshu Kabrawala***
Centre Co-ordinator, NIFS (National Institute of Fire and Safety)
- ***Topic: Fire and Safety***



Day 3: Friday – 09/02/2018

Session I (8:30 am to 10:00 am)

- ***Speaker: Dr. Kirit Solanki***
Sr. Medical Officer, Reliance Industries Ltd., Hazira
- ***Topic: Ergonomics and Heat Stress***



Day 3: Friday – 09/02/2018

Session II (10:00 am to 12 noon)

- ***Speaker: Mr. Jignesh Desai***
Management Representative & General Manager - QA,
Navine Fluorine International Ltd.
- ***Topic: Control of major chemical hazards, Emergence control and disaster planning***
Onsite & Offsite Emergency Preparedness



Day 3: Friday – 09/02/2018

Session III (2:00 pm to 4:00 pm)

- *Speaker: Mr. Kannan P.*
Assistant Manager (Laboratory), KRIBHCO, Hazira
- *Topic: Safety in laboratory*



4. Target Participants

- *Chemical Engineering Students from BE II, BE III & BE IV*

5. Feedback, Quiz/Report Session

- *Feedback by all students*
- *Quiz for BE II & BE IV*
- *Report for BE III*



Students undertaking quiz/report and feedback



Vote of thanks

6. Acknowledgements

- I. Dr. Vaishali Mungurwadi, Principal, SCET for her kind consent and encouragement for organizing such a lecture series.
- II. Prof. Vaishali Umrigar, HOD, Chemical Engineering Department
- III. Faculty Members and Staff of Chemical Engineering Department
- IV. Worthy Speakers from different industries
- V. IIChE Students' Chapter (Chemical Department, SCET) - Ankleshwar Regional Centre



- VI. Student Volunteers - Designing and printing of banners & Certificates, Photography, Master of Ceremony
- VII. Everyone directly or indirectly associated with this lecture series.

-Report Compiled By: Prof. Anshul Sharma