

One-week Short Term Course

On

*“Occupational Safety and
Environmental Management
in Process Industries”*

Under TEQIP-III

(June 03-07, 2019)



Organized by

**Department of Chemical Engineering
(DST-FIST sponsored)**

Dr. B. R. Ambedkar

**National Institute of Technology
Jalandhar-144 011, Punjab**

ABOUT THE INSTITUTE

Dr. B. R. Ambedkar National Institute of Technology Jalandhar was established in the year 1987 as erstwhile Regional Engineering College and was given the status of National Institute of Technology by the Ministry of Human Resource Development, Government of India, New Delhi on October 17, 2002 under the Act of Parliament-2007. As an Institute of National importance, NIT Jalandhar comprehends its responsibility of providing high quality education in Engineering and Technology to produce competent technical manpower for the country. The Institute offers UG, PG and research programmes in all disciplines.

ABOUT THE DEPARTMENT

The Department was established in the year 1990 and has been playing a vital role in the development of Chemical Engineering education and research by offering B Tech, M Tech and Ph D programmes. Its Alumni are occupying eminent positions in chemical industries, research and academic institutions in India and abroad.

HOW TO REACH NIT JALANDHAR

The Institute is located on G. T. Road, Amritsar bypass, 12 Km from Jalandhar Bus Stand, 11 Km from Jalandhar City Railway Station and 16 Km from Jalandhar Cantt. Railway Station. It is around 70 km away from Raja Sansi International Airport, Amritsar, 150 Km from Chandigarh Airport and 390 Km from Indira Gandhi International Airport, New Delhi. It is connected to New Delhi by rail through Shatabdi Express and other super-fast trains as well as through AC buses round the clock. The city is surrounded by famous rivers Sutlej and Beas and is internationally famous for agricultural products, textiles, leather goods, wood products, and sports goods. The nearby site seeing includes Golden Temple, Jallianwala Bagh, Wagah Border, Science City, Devi Talab Mandir, Jung-e-Azaadi Memorial etc.

OBJECTIVE OF THE COURSE

Developing nations including India is facing severe challenges in the field of environment, health and safety. Major environmental issues include worsening of water quality, excessive air pollution, solid waste pollution, global warming, extreme weather, drought, flooding, land/soil degradation etc. Moreover, safety and health hazards in a process industry are also important as hazardous chemicals are being processed in extreme operating conditions in industries. In light of above, it is important to study the course “Occupational Safety and Environment management in process industries”. The following topics, but not limited to, will be discussed during the course:

- Concepts of loss prevention
- Common risks and controls in the process safety industry
- Process intensification
- Occupational health hazards to workers
- Environmental impact assessments (EIA)
- Management of Change (MOC)
- Security Vulnerability analysis (SVA)
- Safety in transportation of hazardous chemicals
- Fire Modelling
- Sustainable Development
- Industrial Ecology
- Pollution abatement techniques
- Clean and Green Processes
- Global climate change
- Lean management
- Secondary and Tertiary waste water treatment
- Toxic dispersion Modelling
- Solid Waste Management

FACULTY

The resources persons will be from IITs, NITs, Central Universities and professionals from Industries.

PARTICIPANTS

A Faculty member/Research scholar of an Engineering and Technical institution (approved by AICTE)/professional from industry can attend the course. The programme is interdisciplinary one. Only limited number of seats are available. The interested person needs to apply by due date through proper channel.

ACCOMMODATION

A limited number of rooms with shared accommodation are available in Institute Guest House and Hostel at NIT Jalandhar. Accommodation will be arranged on request on first come first serve payment basis.

CHIEF PATRON

Prof. L K Awasthi
Director, NIT Jalandhar

PATRON

Dr. M K Jha
Professor (On-Lien), NIT Jalandhar
and Principal, ABVGIET, Shimla

COORDINATORS

Dr. Sangeeta Garg, Associate Professor and Head
Dr. Shailendra Bajpai, Associate Professor

ORGANISING COMMITTEE

Dr. Ajay Bansal, Professor
Dr. Renu Gupta, Associate Professor
Dr. Poonam Gera, Associate Professor
Dr. N K Srivastava, Associate Professor
Dr. Jatinder Kumar, Associate Professor
Dr Raj Kumar Arya, Associate Professor
Dr. Neetu Divya, Assistant Professor
Dr Amit Dhruv Saran, Assistant Professor
Dr Anjireddy Bhavanam, Assistant Professor
Dr Anurag Kumar Tiwari, Assistant Professor
Dr D Giribabu, Assistant Professor

Dr Deepak Sahu, Assistant Professor
Dr Nitin Naresh Pandhare, Assistant Professor
Dr Shashikant Yadav, Assistant Professor

REGISTRATION

The registration process will be completed only when the registration form is received, however, the candidates may send an advance copy directly through email, Post or by hand. Please send the duly filled prescribed Performa for registration to the Coordinator latest by May 25, 2019. There is no registration fee for the course.

IMPORTANT DATES

- a) Last Date of Registration: May, 25, 2019**
- b) Confirmation of selection: May, 30, 2019**

The complete registration form should reach by speed post or email latest by May, 25, 2019 to the coordinators as following:

Email: osempi2019@gmail.com

Dr. Sangeeta Garg
Associate Professor and Head
Department of Chemical Engineering
Dr. B R Ambedkar National Institute of Technology
G T Road, Byepass, Jalandhar – 144 011. (Punjab)
or

Dr. Shailendra Bajpai
Associate Professor
Department of Chemical Engineering
Dr. B R Ambedkar National Institute of Technology
G T Road, Byepass, Jalandhar – 144 011. (Punjab)

**Dr. B. R. Ambedkar
National Institute of Technology
Jalandhar - 144011, Punjab.**

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REGISTRATION FORM

Name:

(in capital letters)

Designation:

Department:

Organization:

Address:

Tel/ Fax:

Email:

Accommodation: Required/ Not required

Signature and Date:

SPONSORSHIP CERTIFICATE

The applicant is hereby sponsored and will be permitted to attend the above short term course, if selected.

Date: Signature and Seal
of the sponsoring authority