

## About MNIT Jaipur

Malaviya National Institute of Technology Jaipur is one of the NITs established in Jaipur known as Pink City. Institute was established as a joint venture of the Government of India and the Government of Rajasthan in 1963. Subsequently; on June 26, 2002 the college has been given the status of National Institute of Technology and on 15 August 2007, Proclaimed Institute of National Importance through Act of Parliament. The Institute is fully funded by Ministry of Human Resource Development (MHRD), Government of India. MNIT campus spreads over 325 acres of lush green area in the central location of Jaipur city. At present the Institute offers undergraduate and post graduate courses (M.Tech./M.Sc./MBA & Ph.D.) to about 5000 students in almost all leading fields of engineering, technology, management and sciences. The Institute has renowned faculty and labs with state of the art equipment. The institute is actively engaged in research, consultancy and developmental activities besides imparting regular teaching.



## About the Course

The potential to adversely affect human health and the environment is always present when using, storing, and transporting petroleum products. Consequently, numerous, technologies /regulations and frameworks have been created to prevent accidents. The aim of this course is to present an insight into the safety aspects of handling, transportation and storage of petroleum products. The course will include lectures by industry /academic experts about fundamentals and case studies pertaining to the course theme . Also field visit to nearby terminal, LPG bottling facilities and laboratories of IOCL will be undertaken.

### Contents

- Overview of petroleum refining operations along with main characteristics of crude oil, petroleum fractions, blending stocks and finished products,
- Fundamental of process safety- Major hazard Control
- Safety aspect in design, including inherent safety
- Risk Management ( Qualitative assessment and Quantitative assessment )
- Regarding functioning parameters of transfer by gravity or by pump,
- Elements of atmospheric storage tanks,
- Various aspects related to safe storage and handling of petroleum products.
- About operations of loading, storage and unloading facilities and identify the hazards and risks of these operations,
- Safety Statutory requirements and assurance process.
- Environmental legal framework in upstream Exploration & Production
- Case studies

## Experts from

- IOCL/CAIRN INDIA/ONGC
- IIT/NIT/Central Universities

**Venue:** Prabha Bhawan, MNIT Jaipur  
**Field Visit to:** IOCL Jaipur terminal and LPG Bottling Plant

### Target Participants

- Faculty members from any branch of Engineering, and Science.
- Research scholars pursuing PhD, PG and UG students.
- Scientists/ Engineers/ Managers/ from Industry/ Govt/ R&D Organizations

### Registration

The application in the prescribed format along with the registration fee should be sent to the program convener via post or email (scanned copy of form and fees)([mvashishtha.chem@mnit.ac.in](mailto:mvashishtha.chem@mnit.ac.in)) latest by December 23, 2018. The participants will be intimated about selection as soon as form along with fees is received and latest by December 25, 2018. The bank demand draft/Cheque should be drawn in favor of “**Registrar, MNIT Jaipur**”.

**Bank Details for Online fees transfer:**

**Name of Bank:** State Bank of India,

**Branch:** MNIT Campus, Jaipur,

**A/c No. :** The Registrar MNIT, Jaipur (TEQIP Phase III) ,

**A/c No. :** 36875887782,

**IFSC:** SBIN0015921.

### Registration Fee

Participants from Industry/R&D : Rs.3000/-

Participants from Academic Institutes : Rs.2000/-

Student Participants : Rs.1000/-

Limited accommodation (on payment basis) can be arranged on shared basis in the Guest House-2 / Hostel at MNIT Jaipur on first come first serve basis. The organizers will provide registration kit, working Lunch and Refreshment for the participants on working days. No TA/DA will be provided to the participants.

**REGISTRATION FORM**  
**Short Term Course**  
**on**  
**“Safety Aspects of Storage,**  
**Handling and Transportation**  
**of Petroleum Products”**  
**(January 07-11, 2019)**

Name: .....

Designation: .....

Address: .....

Teaching Experience (in years):.....

Contact No. : .....

Email: .....

**Details of registration fee -**  
*Cheque/ Draft No/ Transaction ID.....*

Dated.....

Bank Name:.....  
for Rs. .... is enclosed.

Accommodation required: Yes/ No

Sponsoring Authority:

Name: .....

Designation:.....

Signature of  
candidate

Signature of  
Sponsoring Authority  
(With seal)

**Patron**

Prof. Udaykumar R. Yaragatti  
Director, MNIT Jaipur

**Advisors**

Prof. Kailash Singh (MNIT Jaipur)  
Prof. S. Jindal (CTAE Udaipur)

**Conveners**

Dr. Manish Vashishtha,  
Dr. Sushant Upadhyaya

**Coordinators**

Dr. Vikas Kumar Sangal,  
Mr. Shiv Om Meena

**Address for Correspondence**

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Mobile: 9549654173

**SHORT TERM COURSE**

On

**Safety Aspects of Storage, Handling  
and Transportation of Petroleum  
Products**

**(January 07-11, 2019)**

*Sponsored by TEQIP-III*



*Jointly Organized by*

Department of Chemical Engineering  
Malaviya National Institute of  
Technology, Jaipur (Rajasthan)  
&  
College of Technology and  
Engineering, Udaipur (Rajasthan)