

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 Infrastructure 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 and Field Visits.

EXPERTS FROM

- Industry: IOCL/CAIRN OIL& GAS/HPCL
- Academia: IIT/NIT/Central Universities

TARGET GROUP

Faculty members /Ph.D. scholars/ PG students /Industry participants

Note: Number of Participants is limited to 50 on first come first serve basis

REGISTRATION

Interested Participants have to first register on AICTE ATAL portal. The application (scanned copy in pdf format) in the prescribed format should be sent to the coordinator on email latest by January, 15 2023. The participants will be intimated about selection as soon as form is received and latest by January, 21 2023.

REGISTRATION FEE

There is NO registration fee to attend the program. However , No TA/DA for attending offline mode will be provided by AICTE/MNIT.

ACCOMMODATION

Limited accommodation is available in the MNIT Guest House/Hostels for outstation participants during offline course on nominal charges on first come first serve basis.

FDP OUTLINE (AS PER ATAL NORMS)

Mode: Blended/Hybrid: Online for theory and offline for practical/labs/ experiential learning.

Duration- 2 weeks

1st week: Monday to Saturday 7:00 to 9:30 pm daily (Online concepts/ theory /research avenues/emerging trends, etc.)

Session planning: Session-I 7:00-7:50 pm, Session-II 8:00-8:50 pm, Session-III 9:00-9:30 pm (Interactive session/Question Answers)

2nd week: Monday to Friday– Offline (33 hours) (practical/labs/ experiential learning/ Industrial Visit/Post FDP assessment/Demo teaching sessions)

REGISTRATION FORM

**AICTE Training and Learning
(ATAL) Academy**

Sponsored

**TWO WEEKS HYBRID MODE
FDP On**

*Advances in Infrastructure
Interventions for Safe Storage,
Handling and Transportation of
Petroleum Products*

(January 30- February10, 2023)

Name:

ATAL Participant Id. No.....

Designation:

Address:

.....

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

Contact No. :

Email:

Accommodation required: Yes/ No

Sponsoring Authority:.....

Name:

Designation:.....

Signature of
candidate

Signature of
Sponsoring Authority
(With seal)

ORGANIZING COMMITTEE

Patron

Prof. N. P. Padhy
Director, MNIT Jaipur

Advisors

Prof R. K. Vyas (MNIT Jaipur)
Prof Kailash Singh (MNIT Jaipur)

Coordinator

Dr. Manish Vashishtha

Co-Coordinator

Dr. Shiv Om Meena

Conveners

Dr. Sushant Upadhyaya
Dr. Vikas Kumar Sangal,

Address for Correspondence

Dr. Manish Vashishtha

(Associate Professor and Head)
Department of Chemical Engineering,
Malaviya National Institute of Technology
J.L.N Marg, Jaipur 302017.
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Mobile: 9549659085, 9414680687

TWO WEEKS HYBRID MODE FDP

On

*Advances in Infrastructure
Interventions for Safe Storage,
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(January 30- February10, 2023)

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(ATAL) Academy**



Organized by



Department of Chemical Engineering
Malaviya National Institute of Technology
Jaipur-302017
(Rajasthan)