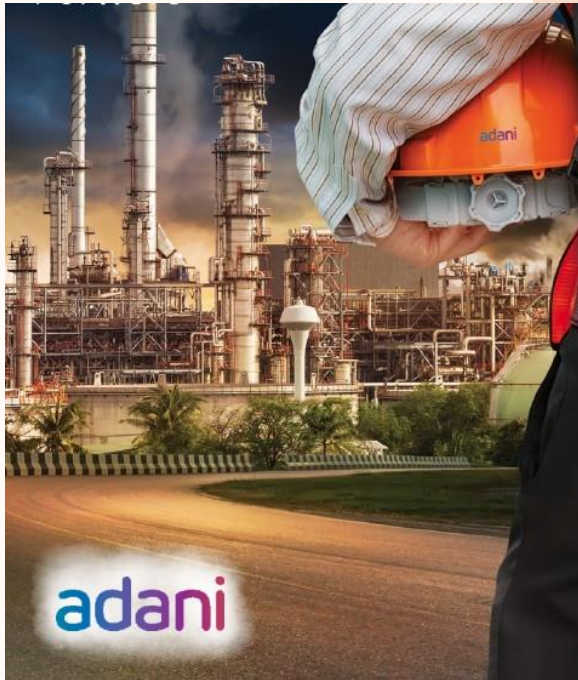




# **Certificate course on 'Logistics and Process Safety Engineering (LPSE) for the Officials of Adani Group'**



Organized by:

Centre of Excellence in Safety Engineering and  
Analytics (CoE-SEA)

Indian Institute of Technology (IIT), Kharagpur

&

Adani Enterprises Ltd.

# About the course •

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The Certificate Course on **Logistics and Process Safety Engineering (LPSE)** for the officers of Adani Group of Industries is designed to build the competencies of their officers so that the people, property, and the environment will be protected by design and practice. The duration of the course is for 16 weeks. 7 weeks will be for theoretical and laboratory inputs at IIT, Kharagpur called '**Module at IIT (MIIT)**' and spread over four modules, namely MIIT-1, MIIT- 2, MIIT-3, and MIIT-4. 6-weeks will be for project work at their own sites of the participants in consultation with them. This is called '**Modules at Own Site (MOS)**' and is distributed as MOS-1, MOS-2, and MOS-3.

Each MOS will be reviewed by a team of IIT Kharagpur, Safety Project Mentor (SPM), nominated from the site to support and guide the project (with the involvement of the leaders of the site), and a Safety Project Consultant (SPC), nominated from the safety functions. They have to oversee the project so that outcomes are achieved. The review module is denoted as '**Module of Project Review (MPR)**'. There will be three such modules namely, MPR- 1, MPR-2, and MPR-3.

After incorporating the MPR suggested improvements, the participants have to submit the reports duly approved by the SPM, and this process is called 'Submission of Final Project Report (SFPR)'. The SFPR must be ready for implementation. There will be three such modules namely, SFPR-1, SFPR-2, and SFPR-3. Hence, there will be a good number of improvement projects as many as 75, could be taken forward for the implementation as Safety Improvement Projects (SIPs) at their own sites to bring visible improvement in safety.

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# About the participants

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The course is conducted in batches of 25 officers from different business units of Adani Group. The batch of 25 officers are nominees from their 13 business units around India, which includes Adani Airports, Adani Green Energy Ltd, Adani Logistics, Adani Power, Adani Realty, Adani RMRW, Adani Total Gas Limited, Adani Transmission, Adani Electricity Mumbai Limited, Adani Port & Special Economic Zone Ltd., Mundra Solar Private Limited, Natural Resources, Group Safety.

A group of students, specially PhD scholars of CoE-SEA will also attend the program to bring more energy to the whole group.



# Course Contents & Details

## MODULE 1



### MIT 1 (2 weeks)

Basics of Safety Engineering



### MOS 1 (2 weeks)

Project work at their own work site



### MRP 1 (0.5 week)

Review of the project by IIT KGP, SPM and SPC



### SFPR 1 (0.5 week)

Submission of Final Project Report

## MODULE 2



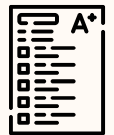
### MIT 2 (2 weeks)

Hazard Identification and Risk Assessment



### MOS 2 (2 weeks)

Project work at their own work site



### MRP 2 (0.5 week)

Review of the project by IIT KGP, SPM and SPC



### SFPR 2 (0.5 week)

Submission of Final Project Report

## MODULE 3



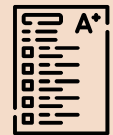
### MIT 3 (2 weeks)

Control of Energy, Safety Management and Safety Analytics



### MOS 3 (2 weeks)

Project work at their own work site



### MRP 3 (0.5 week)

Review of the project by IIT KGP, SPM and SPC



### SFPR 3 (0.5 week)

Submission of Final Project Report

## MODULE 4



### MIT 4 (1 week)

Safety & Security Closing inputs and Valedictory session

# Organizing Team

## Principal Coordinators



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