

# ASPEN PLUS WORKSHOP

**DESCRIPTION:** Aspen is a comprehensive process modelling system by world's leading Oil & Gas producers, Refineries and Engineering Companies to optimize process design and operations.

## DETAILS:

### MODULE1:

Properties	Property Estimation
	Property Analysis
Flash Columns/mixers	Simulation of Flash2 Columns
	Simulation of Separators and mixers
	Sensitivity Analysis of Flash Columns/mixers

### MODULE 2:

Reactors	Simulation of RStoic
	Simulation of CSTR
	Simulation of PFR
	Simulation of R plug model

### MODULE 3:

Distillation Columns	Simulation of DSTWU
	Simulation of RadFrac
Absorption columns	Simulation of Absorption Column

### MODULE 4:

Module-4	
Dynamics and Control	Introduction to dynamics and control

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## **OUTCOME:**

This workshop is intended to provide the theory and computer application of ASPENONE 8.0 to solve Chemical Engineering problems. The students who attend this program are aimed at

1. Identifying ASPENONE 8.0 Software as a simulation tool.
2. Select the suitable tools to solve the problems of Chemical Engineering using ASPENONE 8.0.
3. Use the various reactors available in ASPEN to solve reaction engineering problems.
4. Demonstrate the working of different column models.
5. Identifying the ease in using the ASPENONE 8.0 software which helps in saving plenty of time and get benefited in estimating and optimizing the process parameters through virtual experiments.