



3000+ engineers
trained in 20+
countries

ONLINE ADVANCED PROCESS ENGINEERING DESIGN WITH ASPEN HYSYS, EDR, FLARE SYSTEM ANALYZER & HYSYS DYNAMICS

Learn Process Simulation
from The Best in Industry

Enhance Your Skills Today
For Better Tomorrow

Converge Engineering Pvt. Ltd.

An ISO 9001:2015 certified company

TABLE OF CONTENTS

3

Why Choose CEPL

4

Mentor

5

Publications

6

Syllabus

8

Join Us Now

9

Contact Us



WHY CHOOSE CEPL

Why is CEPL the best alternative for learning process calculation and simulation?

This course gives participants value for their money.

This course is an extension of the four-year engineering course. We teach them something, which they did not learn before. This is what makes this course interesting.

Our participants become experts in preparing any process calculations spreadsheet, as they are trained accordingly.

Our participants become experts in Aspen HYSYS, EDR, Flare System Analyzer, HYSYS Dynamics and FluidFlow.

Our participants become well equipped with interview questions.

They learn to prepare Simulation reports, PFD, P&ID and C&E Matrix.

Our participants solve real project problems, using the knowledge and expertise they gained in the course.

They learn how to prepare typical Process documents (Process Design Basis, OCP, Line List, PDS, Simulation report etc.).

MENTOR



Ajay Satpute

M.Tech (Chemical), IIT Madras

He is the Managing Director of Converge Engineering Pvt. Ltd. and an alumnus of the prestigious Indian Institute of Technology (I.I.T.), Madras with a Master's Degree in Chemical Engineering.

He is amongst the finest chemical engineers in the industry and is very wellknown for his outstanding skills and innovative solutions. He has vast knowledge and experience in several industries like Oil & Gas, Chemicals, Energy, Utilities, Fertilizers, Iron & Steel, and Pulp & Paper etc. in India, Middle East and the Far East. His efficient and accurate solutions are appreciated by all the clients he has worked with.

His contribution to knowledge-sharing websites has helped many practicing engineers. Over 60,000+ engineers have downloaded his process calculations spreadsheets and articles. He has also authored the best selling 'Process Design and Simulation Handbook' which is a step-by-step guide to simulation and 'Compressor Surge Analysis' book.

PUBLICATIONS

Author of best selling chemical engineering books



SYLLABUS

SESSION 1

Line sizing using excel

SESSION 2

Control Valve sizing using excel, VBA (Goal Seek).

SESSION 3

PSV sizing using excel

SESSION 4

Pump sizing using excel, Separator sizing using excel, Orifice sizing using excel, Plant design problem.

SESSION 5

Control Valve sizing using Aspen HYSYS, Pressure safety valve sizing- Aspen HYSYS, Line sizing- Aspen HYSYS, Pump sizing- Aspen HYSYS, Separator sizing- Aspen HYSYS and Orifice sizing- Aspen HYSYS.

SESSION 6

Heat exchanger sizing using EDR, Distillation column sizing - Aspen HYSYS, Blowdown utility - Aspen HYSYS, Depressuring utility - Aspen HYSYS.

SYLLABUS

SESSION 7

Aspen HYSYS simulation of a real project (industry problem), VBA Function, VBA Userform

SESSION 8

Process calculations for the same project using spreadsheets, Process simulation report, PFD, P&ID, HYSYS-Excel Linking VBA

SESSION 9

Cause & effect diagram, Line list, Equipment list and other process deliverables, CTR preparation, PVRV sizing, Flare system design using Aspen Flare System Analyzer.

SESSION 10

Aspen Plus Batch Distillation, Aspen Plus Batch Cooling, Surge analysis using PIPENET Transient FluidFlow software

SESSION 11

Aspen HYSYS Dynamics problems

SESSION 12

Compressor surge analysis using Aspen HYSYS Dynamics



JOIN US NOW

Early bird
discount till 15th
February. 2024



Duration : 12 sessions

Saturday batch : 20th April 2024

Sunday batch : 21st April 2024

Timings : 9:00 am - 3:00 pm IST

Course Material includes:

1. 15+ Process calculation spreadsheets (Line, Pump, Separators, PSV sizing etc.,)
2. Best selling chemical engineering books Process Design & Simulation Handbook and Compressor Surge Analysis Book, used by many chemical engineers worldwide.
4. 6GB soft study material various simulation examples, chemical engineering books etc.

TERMS & CONDITIONS:

- 1) Fees once paid shall not be refunded under any circumstances.
- 2) For International participants (residing outside India):
 - Shipping charges payable extra depending on receiving country.
 - Only e-certificates shall be provided. In case, hardcopy required shipping charges shall be applicable.
- 3) Fees include:
 - Registration fees
 - Printed book shipped within India
 - Course completion certificate
 - Course Material provided.

OUR CONTACT



+919987820924/ +91 8450927842/ +91 8419919842



training@converge.net.in



www.converge.net.in



**F109, Eastern Business District,
LBS Marg, Bhandup 400078.
Mumbai. Maharashtra
India.**



+919987820924

Converge Engineering Pvt. Ltd.

An ISO 9001:2015 certified company