



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE,
CHANDKHEDA

Brief Report of an Expert Talk on “Exposure of CHEMCAD software for Chemical Engineering Students”

Name of Department/Organizer	:	Indian Institute of Chemical Engineers (IIChE) Students' Chapter, Chemical Engineering Department, Vishwakarma Government Engineering College
Date & Time	:	18 th December 2020, 4:00 PM to 6:00 PM
Venue	:	Online Expert Talk through MS Teams
No of Participants	:	Total: 80 BE students (from SEM-6 & SEM-8), ME students (from SEM-1 & SEM-3) who are interested and faculty members of department

- **Objective of the Event:**

To explain students about CHEMCAD software and applications of it through live demonstration

- **Expert: Shri Gautam Pradhan** (Technical Director of Innovent Process Solutions Pvt. Ltd).

- **Host:**

Prof.Ujvala Christian, Asst. Professor, Chemical Engg. Dept. VGEC.

- **Outcomes of the Event:**

- ✓ Importance of CHEMCAD software for Chemical Engineering Process Modeling and Simulation problems were explained very well.
- ✓ Important features and database of CHEMCAD were discussed. Shri Gautam Pradhan has explained a real case study on design and simulation of distillation column using CHEMCAD software for separation of selective organic components.
- ✓ Details about project cost estimation for various separation processes were also discussed during this talk. All UG and PG students of chemical engineering are inspired by this talk and question answer session was wonderful.

• **Event Photographs:**

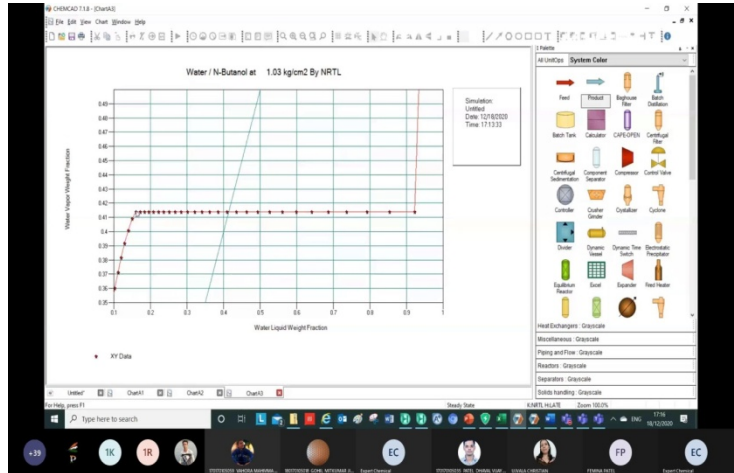
An Expert Talk
on
"Exposure of CHEMCAD Software for Chemical Engineering Students"



Shri Gautam Pradhan
Technical Director of Innovent Process Solutions Pvt. Ltd.

Organized By
IICHe Students' Chapter, Chemical Engineering Department, VGEC

<p>Patron Dr. F. J. Patel Head, Chemical Engg. Dept.</p>	<p>Convener Dr. P. D. Shah Professor, Chemical Engg. Dept.</p>	<p>Departmental IICHe Coordinator U. P. Christian Asst. Professor, Chemical Engg. Dept.</p>
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Modelling & Simulation Innovent

Process Simulation – Introduction

- **Modelling** :The meanings of the word modelling as found in dictionary are Exhibiting, Showing, Displaying, Show-off and Moulding etc. Consequently, a model is someone or something that exhibits, displays, or moulds something.
- A mathematical model represents a physical phenomenon in terms of mathematical and /or logical equations"
- **Simulation** : Simulation is running or testing the models. A simulator may be considered as collection of many models

In the present text, we shall be dealing with **Process Simulators** which are now extensively used by Chemical Engineers for various purpose including Process Plant Design, Optimization, Feasibility studies, Retrofitting, revamping ,trouble shootings and plant operation training

