

Profiles of Resource Persons

Prof. K.K. Tiwari graduated in Chemical Engineering from the University of Bombay and obtained Ph.D. from the University of Alberta (Canada). He is associated with JUET after his retirement from ICT, Mumbai (formerly UDCT) where he was Professor and Head of Chemical Engineering. He is past president of IChE and has served as consultant to numerous companies.



Prof. V.V. Mahajani is currently ICT-DAE Professor of Chemical Engineering (Emeritus) at ICT, Mumbai. He was awarded Ph.D. from the University of Bombay. He has won several awards, authored two books in the field of chemical process design and has served as consultant to various companies in India.



Prof. V.G. Pangarkar obtained Ph.D. from the University of Bombay and was Professor and Head of Chemical Engineering, ICT Mumbai. He has been consultant to many organizations. He was a visiting professor at TU Delft & University of Twente, Netherlands and has won prestigious awards from IChE, Calcutta.



Dr. Hari Mahalingam obtained Ph.D. in Chemical Engineering from NUS Singapore. He has two years of post-doctoral research experience. Currently, he is associate professor and Head, JUET Guna. His research interests are in multiphase flow/reactors, process modeling and simulation.



Dr. Barun K. Nandi graduated from Jadavpur University, Kolkata and obtained Ph.D. from IIT Guwahati. His doctoral thesis was entitled "Preparation and characterization of low cost ceramic membrane for microfiltration and ultrafiltration application." Now at JUET Guna, he has published twelve research papers.



Registration Charges

Early Bird Registration (on or before November 15, 2010)

✓ ₹ 4500.00

Registration (after November 15, 2010)

✓ ₹ 5000.00

Crossed Demand Draft should be drawn in favor of "Jaypee University of Engineering & Technology" payable at Guna, M.P.

Charges indicated above include course materials, boarding and lodging charges for 6 days. Pickup will be arranged on prior intimation from Ruthiyai railway station.



Send application & demand draft complete in all respects to :

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Staff Development
Program on

*Advances in
Separation
Processes*

*December 13—18, 2010 at
Jaypee University of Engineering &
Technology, Guna*

About JUET Guna

Jaypee University of Engineering & Technology is the first state private university approved under the Madhya Pradesh Private Universities Act, 2007. Started in 2003, it is situated on A-B road about 30 km from Guna and is around 250 km from Gwalior/Indore/Bhopal. It offers graduate programs in 5 departments including Chemical Engineering and post-graduate degree programs in all departments.

The Chemical Engineering department at JUET Guna has 9 well-equipped laboratories for chemical engineering education as well as experienced faculty to guide the students. Four batches of students have since graduated.

Course Description

Current manufacturing practices have put tremendous pressure on the fragile ecosystem that we have inherited. There is thus an urgent need to design chemical plants for manufacture of chemicals in an environment-friendly and sustainable way so that the ecosystem can be preserved for future generations on this planet. In view of this, *process intensification* and *sustainability* have become important driving forces for improving today's chemical manufacturing processes. Understanding the fundamentals of separation processes is crucial to the design of a modern chemical plant taking into account the safety, environmental protection and sustainability. In this context, certain separation processes have assumed importance today such as distillation, absorption, adsorption, membrane separation and extraction.

In this course, the participant will learn about the advances in separation processes and be able to design selected separation processes for a modern chemical plant.

Eligibility

Participants working as faculty in colleges and persons from industry are welcome to apply.

Topics to be covered

- Fundamentals of Distillation and Distillation column design; Reactive Distillation.
- Fundamentals of Absorption, Absorption with chemical reaction; Design of absorption columns.
- Membrane processes and their design.
- Adsorptive processes.
- Liquid-liquid, liquid-solid, emulsion liquid membrane and supercritical fluid extraction; Design aspects of extraction equipment.

Resource Persons

Experienced faculty from Institute of Chemical Technology (ICT), Mumbai and JUET Guna will give lectures in this workshop. Some of the resource persons are given below:

1. Prof. V.V. Mahajani, ICT-DAE Professor, ICT Mumbai.
2. Prof. V.G. Pangarkar*, Consultant.
3. Prof. K.K. Tiwari*, Visiting Professor, JUET Guna.

* Former Professors, ICT Mumbai.



Equipment in Mass Transfer Operations Laboratory

Application Format

Name	
Designation	Qualifications
Address for Correspondence	
Tel. No. / Mobile No.	Fax No.
Email	
Demand Draft Details DD No. Date Amount ₹ Bank	Signature of Participant with date
Certificate	
Certified that Mr./Mrs/Ms. _____ _____ is a full-time employee/faculty member in the department of _____ at _____ _____	
Date	Signature of Competent Authority with seal
Note: Photocopy of this registration form can also be used and submitted. Separate registration form must be submitted by each participant.	

Official: _____

Date Received: _____