

Technical experts for lecture
On
"Current Industrial Practices in Chemical Engineering "



Prof. Ravindra D Gudi
IIT Bombay



Dr. H. J. Pant, Head, Isotope
& Radiation Application
Division, BARC, Mumbai



Associate Prof. Raghvendra
Gupta, IIT Guwahati



Associate Prof. Avinash
Chandra, TIET, Patiala



Mr. Himanshu Sachan,
OilSERV, Dubai, UAE



Mr. Nitin Mittal, Manager
Operations, HPCL-Mittal
Energy Limited, Bathinda



Mr. Avdhesh Dangayach,
Manager (Process), IFFCO,
Kalol



Mr. Hemant Kumar Sonkar,
Chief Engineer (Production),
ONGC Videsh



Prof. Sushil Kumar Kansal,
Panjab University, Chandigarh



Mr. Amit Kumar Verma,
Manager(Technical)
Dow Chemical International
Pvt. Ltd.

CHIEF-PATRON



Professor (Dr) Lalit Kumar Awasthi,
Director,
Dr B R Ambedkar National Institute of Technology,
Jalandhar

CONVENER



Dr Sangeeta Garg
Associate Professor & Head,
Department of Chemical Engineering
Dr B R Ambedkar National Institute of Technology, Jalandhar

ORGANIZING COMMITTEE

- Dr A Mukhopadhyay
- Dr S K Mishra
- Dr. S.K. Sinha
- Dr. M. K. Jha
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- Dr Renu Bansal
- Dr Poonam Chadha
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- Mr. Arun Kumar Pandey
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- Ms. Jyoti Sharma

One Week Online
Short Term Course
(TEQIP-III SPONSORED)
On

" Current Industrial Practices in Chemical Engineering "



(October 7-11, 2020)

Organized by



COURSE COORDINATORS



Dr. Raj Kr. Arya
Associate Professor
aryark@nitj.ac.in



Dr. Amit Dhruv Saran
Assistant Professor
saranad@nitj.ac.in

DEPARTMENT OF CHEMICAL ENGINEERING
DR. B.R. AMBEDKAR NATIONAL INSTITUTE OF
TECHNOLOGY , JALANDHAR, PUNJAB

ABOUT NIT, JALANDHAR

Dr B.R. Ambedkar National Institute of Technology Jalandhar (NITJ) was established in the year 1987 as Regional Engineering College and was conferred the status of National Institute of Technology (Deemed University) by the Government of India on October 17, 2002 under the aegis of Ministry of Human Resource Development, New Delhi. The Government of India has declared the Institute as an “*Institute of National Importance*” under an act of Parliament in 2007.

As one of the National Institutes of Technology (NIT), the Institute has the responsibility of providing high quality education in Engineering, Technology and Sciences to produce competent technical and scientific manpower for the country. The Institute offers B Tech, M Tech, M Sc, MBA and PhD programmes in several disciplines of Engineering, Technology and Sciences.

ABOUT THE DEPARTMENT

The Department was established in 1990 and has been playing a vital role in the development of Chemical Engineering education and research by offering B.Tech, M. Tech and PhD programmes. Its Alumni are occupying eminent positions in chemical industries, research and academic institutions in India and abroad. The Department has established state-of the art laboratories with sophisticated equipment for undergraduate courses and research work. The Department recently received coveted FIST grant of Rs. 155 Lac from Department of Science and Technology, New Delhi to augment post graduate research.

OBJECTIVES OF THE COURSE

As a student enrolls in an engineering course, curiosity overcomes and several questions arise in the mind on the prospects and ways of working in the industry. Industrial visits and internship can solve a few questions as they are exposed to the work culture, however it is not enough as curiosity engages the young minds in critical thinking, love of learning, open-mindedness and reasoning.

Keeping the best interests of the students in mind we have chalked out a course which would cater to their inquisitiveness on industry practices.

Students through this short term course would be acquainted to several industries like fertilizer industry, oil exploration and refining, designing stages in process industries, pulp and paper industry, polymers as construction enablers, artificial intelligence and machine learning in the chemical industry, modeling of industrial multiphase reactors, and application of radioisotopes in process industries among others.

This course would bridge the gap between the industry practitioners and the young engineers as it would help in broadening the horizons of the young minds by providing them with a common interactive platform and solving their queries generated by curiosity.

Registration link for NITJ students and employee is given below:

<https://forms.gle/oHxzwhFffqSs1pLn7>

REGISTRATION FEE

Interested participants may apply by filling the following Google Form with payment proof on or before 5th **October 2020**.

Registration Link:

<https://forms.gle/UtHiVX6UNjachEseA>

For any query related to STC, please contact,
aryark@nitj.ac.in, saranad@nitj.ac.in

or

+91-9819588825

WHO CAN ATTEND THIS STC?

Registration is open to: academia, industry, and R & D labs.

REGISTRATION FEE

Academia	Rs.100/-
Industry participants	Rs.200/-

Registration fee (Non refundable) and need to be paid to paytm OR google pay : +91-9819588825. The screenshot of the payment need to be uploaded during registration.

CONFIRMATION OF PARTICIPATION

On receipt of the Google form and fee remittance receipt, participants will be sent confirmation of their participation through email by 5th **October, 2020**. As the programme is conducted online, the number of participants in the STC is limited to 200. Candidates are advised to register early to avoid disappointment



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TEQIP-III SPONSORED One Week Online Short Term Course
On

“Current Industrial Practices in Chemical Engineering”

Day 1 , 07-10-2020, Wednesday, 11:00 – 13:00 hrs

“Radioisotope Applications in Industry ”



Speaker

**Dr. H.J.Pant, Scientific Officer - H
Head, Isotope and Radiation Application Division,
Bhabha Atomic Research Centre, Mumbai**

PATRON

**Professor (Dr.) Lalit Kumar Awasthi,
Director,**

Dr. B R Ambedkar National Institute of Technology, Jalandhar

**Dr. Sangeeta Garg
Associate Professor & Head
(Convener)**

**Dr. Raj Kumar Arya
Associate Professor
(Coordinator)**

**Dr. Amit Dhurv Saran
Assistant Professor
(Coordinator)**

Kindly register

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Day 1 , 07-10-2020, Wednesday, 14:00 – 16:00 hrs

“RTD Measurement of Industrial Scale Pulp
Digester using Radio-tracers”

Speaker

Dr. Avinash Chandra, Associate Professor,
Department of Chemical Engineering, Thapar
Institute of Engineering & Technology, Patiala

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Day 2 , 08-10-2020, Thursday, 12:00 – 14:00 hrs

**“Artificial Intelligence and Machine Learning
Applications in Chemical Engineering”**



Speaker

**Prof. Ravindra D Gudi,
Department of Chemical Engineering, IIT Bombay**

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Day 2 , 08-10-2020, Thursday, 15:00 – 17:00 hrs

“Manufacturing of Paper from Agro-based Raw
Materials”

Speaker

Prof. Sushil Kumar Kansal, Dr. S. S. Bhatnagar University
Institute of Chemical Engineering & Technology ,
Panjab University

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Day 3 , 09-10-2020, Friday, 13:00 – 15:00 hrs

“Modelling of Industrial Multiphase Reactors”



Speaker

**Dr. Raghvendra Gupta , Associate Professor,
Department of Chemical Engineering,
IIT Guwahati**

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Day 3 , 09-10-2020, Friday, 16:00 – 18:00 hrs

“Construction Chemical - Enabler of Durable and Sustainable Construction”



Speaker

**Mr. Amit Verma, Manager(Technical)
Dow Chemical International Pvt. Ltd.**

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Day 4 , 10-10-2020, Saturday, 12:00 – 14:00 hrs

“Plant Design Stages and Process Engineering”



Speaker

**Mr. Himanshu Sachan,
Lead Process Engineer, OiLSERV, Dubai, UAE**

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Day 4 , 10-10-2020, Saturday, 15:00 – 17:00 hrs

“Industrial Process for Nitrogenous Fertilizer Urea”



Speaker

Mr. Avdhesh Dangayach
Manager, IFFCO Kalol

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Day 5 , 11-10-2020, Sunday, 11:00 – 13:00 hrs

“Steam Methane Reforming”



Speaker

**Mr. Nitin Mittal, Manager Operations,
HPCL-Mittal Energy Limited, Bathinda**

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Day 5 , 11-10-2020, Sunday, 14:00 – 16:00 hrs

“Crude Oil Production”



Speaker

**Mr. Hemant Kumar Sonkar , Chief Engineer
Production, ONGC Videsh, New Delhi**

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