

DEPARTMENT OF CHEMICAL ENGINEERING

CHEMTECH

Year 2020-21
(Semester-II)

**INSIDE THIS
ISSUE:**

Technical Event

FDP/Seminar/Workshop
Attended

Industrial Visit

Guest Lecture /
Workshops Conducted



Vision

To impart quality education to produce Competent Chemical Engineers

Mission

1. To create an effective atmosphere for academic excellence
2. Impart quality education in basic and applied areas of Chemical Engineering
3. Enable students to explore knowledge through creative learning by industry institution collaboration
4. Inculcate values of leadership, teamwork and ethics

About Department

It is a great pleasure to welcome you to the Department of Chemical Engineering at Dr. D Y Patil Institute of Engineering and Management and Research. The Department of Chemical Engineering was started in the year 2012 with an intake of 60 students. The Chemical Engineering Department is proud to have a team of energetic and hardworking staff and we are blessed to have among the finest and talented students admitted into our department recognized for high-quality academic programmes and excellence of its motivated faculty. We are committed to give our students an environment where they can develop critical thinking and problem-solving skills as they advance through the programme. In addition to classroom teaching, the students are guided and motivated to practically implement the principles learnt in classrooms through experimentations in the laboratories, which help students gain confidence and become skilled engineering professionals.

Name of Faculty	No. of Publications National & International
Dr.Shailesh Ghodke	12
Dr.Utkrash Maheshwari	15
Mr.D.P.Deshande	8
Mrs.Kirti B Zare	7
Mrs.S.S.Patil	6
Mr.Pankaj Vardhe	5
Mr.Ramansingh Thakur	4

Online Industrial visits /Tours

Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune – 44
Department Of Chemical Engineering

Organized Online Industrial Visit for Third Year Chemical at Pune Techtrol on 5 March 2021

Manufacturing Department

TWIDS SYSTEM

LEVEL SWITCHES

SWITCHES

Production Department

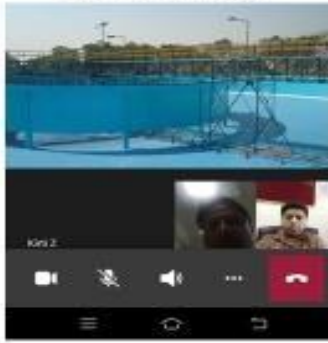


Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune – 44

Department Of Chemical Engineering

Organized Online Industrial Tour /Visit
at Pimpri-Chinchwad Municipal Corporation (PCMC) Water Treatment Plant
dated on 26th February 2021

CLARIFLOCULATOR



CHEMICAL HOUSE



Water Distribution Network In PCMC



Guest Lecture /Workshop
Conducted

Dr. D. Y. Patil Institute of Engineering Management & Research, Akurdi Pune
Celebrating Oil Conservation from 5th to 9th January 2021
 Organized by Department of Chemical Engineering collaboration with Incubation and Innovation Cell

Oil Conservation towards Healthy and Better Environment

Eminent Speakers

- Dr. Rajnish Kumar IIT, Madras
- Mr. Pravin Bagal ONGC Petro Additions limited Gujarat
- Dr. Sayogkumar V. Taralkar Annasaheb Dange College of Engineering & Technology, Sangli
- Dr. Satchidanand R. Satpute Vishwakarma Institute of Technology, Pune

Online Competitions
 Crosswords, Puzzles, Quizzes
 *****No Registration Fee *****
 E-Certificate for Successfully Participant's

For Registration and Further Details contact
 Mrs. K. B. Zare : 8600669117 and Mrs. S. S. Patil : 7057247283
 Email: sspatil.dypiemr@gmail.com
 Registration link: <https://forms.gle/siAv6xh1274iB828>

SAVE OIL

REC Rajnish Kumar IITM is presenting

Adsorption (Chemisorption and/or Physical adsorption) on solid substrate.
 Identification of MOI; Carbon nanotubes, zeolites etc. as a storage material

Perspective:
 Battery and fuel-cell technologies are strong candidates to replace gasoline and diesel engines. In particular, hydrogen is an attractive energy carrier because it is carbon-free, abundantly available from water (Renault), and has an exceptional mass energy density (Hurray!!!)

Challenge:
 Hydrogen is an extremely volatile gas resulting in a volumetric energy density that is much too low for practical applications. For on-board use, hydrogen must be compressed at very high pressures or stored cryogenically, both of which cost energy.

Solution:
 Design low-cost, light-weight materials that can reversibly and rapidly store hydrogen in near-ambient conditions at a density equal to or greater than liquid hydrogen

REC

Gas uptake measurements for studying H₂ storage, methane storage, CO₂ capture: EOS based calculations

Rajnish Kumar
 Chemical Engineering (IIT Madras)

11:10

How to calculate...

REC

Adsorption (Chemisorption and/or Physical adsorption) on solid substrate.
 Identification of MOI; Carbon nanotubes, zeolites etc. as a storage material

Perspective:
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Rajnish Kumar IITM

You, Mandar, 36 others

Session speakers:

1. Dr. Rajnish Kumar, IIT Madras
2. Mr. Pravin Bagal, ONGC, Gujarat
3. Dr. Suyog Taralkar, ADCT, Sagali
4. Dr. Satishchandra Satpute, VIT, Pune

