

## Expert Lecture- Report

### Title: Catalysis and its application in Petroleum Refining

**Date: 17-9-2018**

Dr. Dipak Kunzaru, Professor (Retd) IIT-Kanpur and currently Professor in Ahmedabad University, had delivered an expert lecture on “Catalysis and its application in Petroleum Refining” for B.E Sem 5 and 7 students on 17/09/2018. Dr Kunzaru had started with the fundamentals of catalysis and made the students understand about its role and importance in the industries. He covered topics like catalysis, mechanism, role of catalyst in petroleum industries, newer developments etc. He also discussed about the major applications and usefulness of catalyst.

Dr Dipak Kunzaru emphasized on the applications of catalysis in Fluidized Catalytic Cracking (FCC), Reforming, Hydrogenation etc. He also enlightened the major issues and challenges of deactivation of catalyst and its solution approach. He also discussed the recent trends in the field of catalysis and necessity of newer developments to tackle with the issue of deactivation and also on waste disposal.

