



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Brief Report on Expert session on “Nanocatalysis” held under IEI Student Chapter (Chemical Engineering)

Name of Department/Organizer	:	Chemical Engineering Department and IEI Student Chapter
Date & Time	:	29/06/2019 & 01:00 pm to 3:00pm
Venue	:	J-Block Homi Bhabha Seminar Hall
No of Participants	:	40 Students of Final Year Chemical Engineering

• Objective of the Event

Chemical Engineering Department has organized an expert session on “Nanocatalysis” on 29 June, 2019. Key objective of this session is to make students aware about the latest development in the field of Nanocatalysis as well as gaining knowledge of research and applications of Nanocatalysis in chemical processes and chemical reaction engineering.

• Outcome of the Event

This expert session is executed under The Institution of Engineers (India)-IEI, Chemical Engineering Student Chapter of VGEC. External expert Prof. (Dr.) P. N. Dave, Chemistry Department, S. P. University- Vallabh Vidyanagar had conducted the session. He discussed about various types of nanocatalysts, laboratory scale synthesis and characterization of nanocatalysts, specific applications of nanocatalysis in targeted drug delivery, biochemical engineering, and green chemistry. Dr. Dave explained about Belousov–Zhabotinsky reaction to show that chemical reactions do not have to be dominated by equilibrium thermodynamic behaviour. He also shared his knowledge related to experimental observation and control of molecular dynamics and femtochemistry, experimental measurements of transition state energy of chemical reaction via understanding of reaction mechanism.

The session was planned by Dr. F. J. Patel, Professor and Head, Chemical Engineering Department and it was coordinated by Prof. U. P. Christian, Assistant Professor in chemical Engineering Department.

The session was quite interactive. All participants appreciated this session and will certainly be benefited from it.

- Event Photographs





