



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Report on an Expert Lecture on "Green Manufacturing"

Name of Department	:	Chemical Engineering Department
Title of Event	:	Expert Lecture on "Green Manufacturing"
Expert Name, Designation & Affiliation	:	Mr. Paresh Chavda Unit Head & Dy. Environment Engineer, Gujarat Environment Management Institute
Date & Time	:	24/03/2021, 4-5 pm
Venue	:	Microsoft Teams (Online)
No of Participants	:	105
Event Coordinator	:	Prof. Yogesh. J. Morabiya

About the Expert Lecture

An expert lecture on 'Green Manufacturing' was organized by the Chemical Engineering Department under the auspices of The Institution of Engineers India (IEI) Students' Chapter on March 24th, 2021. The lecture was organized for the UG and PG students of the Chemical Engineering Department.

Objective

- To make the participants aware of the basic concepts of Green Manufacturing

Content Points of the Expert Lecture

- History of Manufacturing
- Implications of Conventional Manufacturing
- Concept of Green Manufacturing
- Examples of Green Manufacturing
- Role of The Chemical Engineer in Green Manufacturing
- Research facilities and funding provided by GEMI, Gandhinagar

A Statement by the Expert

- "Chemical Engineers must focus on Green Engineering to design sustainable and safe manufacturing process." – Mr. Paresh Chavda

Glimpses of the Expert Lecture

What is Manufacturing All About?

Manufacturing is an activity involved in turning raw materials to finished products by some desired process to be used for some useful purpose.



Why an Alternate ????

2050

Green Manufacturing

2021

Challenge

Target



Green manufacturing Concept

- The industrial facilities now capture and neutralize waste, air and water pollutants before they can be discharged into the environment.
- The improvement in Production using following techniques
 - Cleaner Production
 - Green Chemistry
 - 3R (Reduce, Reuse and Recycling)
 - Life Cycle Assessment (LCA)
 - Sustainable Production and Design

