

# **Government Engineering College, Valsad**

## **Chemical Engineering Department**

**Webinar Title:** The role of Chemical engineers in Environment management

**Name of Expert:** Mr. Paresh Chavda

**Date of Webinar:** 22/9/2020

**Time:** 11:00 A. M onwards

**Organising Committee:** Prof. H.M.Jariwala, Prof. A.R.Magodara, Prof. A. H. Prajapati

**No. of Registered Participants:** 164

### **Guest Profile:**

Mr. Paresh Chavda currently working as Unit Head & Deputy Environment Engineer at GEMI, Gandhinagar

### **Webinar description:**

The Department of Chemical Engineering organized a Webinar on “The role of Chemical engineers in Environment management” on 22<sup>nd</sup> September 2020. The webinar was organized for 5th and 7th semester students of the Chemical Engineering Department. Dr. N. M. Patel, Head of Chemical Department introduced Mr. Paresh Chavda to all participants. Mr. Paresh Chavda started with discussion of saving the environment is one of the basic roles of chemical engineers. Mr. Paresh Chavda shared his personal experience and knowledge for innovations in environmental protection, manufacturing risk, the concept green for growth and green manufacturing. The session ended with a vote of thanks by Prof. A. R. Magodara in appreciation to Mr. Paresh Chavda for sharing his valuable time for interacting with students and faculties.

# Glimpses of Expert lecture

Webinar: The role of Chemical Engineers in Environmental Management

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## Chemical Engineer

In general, a chemical engineer is one who applies and uses principles of chemical engineering in any of its various practical applications; these often include

- Design, manufacture, and operation of plants and machinery in industrial chemical and related processes ("chemical process engineers");
- Development of new or adapted substances for products ranging from foods and beverages to cosmetics to cleaners to pharmaceutical ingredients, among many other products ("chemical product engineers"); and
- Development of new technologies such as fuel cells, hydrogen power and nanotechnology, as well as working in fields wholly or partially derived from chemical engineering such as materials science, polymer engineering, and biomedical engineering.

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Webinar: The role of Chemical Engineers in Environmental Management

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## Role in Environment Management

Chemical Engineers meet environmental challenges. Their unique expertise enables them to develop advanced technologies, monitoring devices, modelling techniques, and operating strategies that

- Reduce the volume and toxicity of pollutants allowed to enter the air, water, and soil;
- Significantly reduce the negative environmental impact of industrial facilities, power plants, and transportation vehicles; and
- Allow greater reuse of post-consumer and post-industrial waste streams.

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## Innovators in Environmental Protection

There are many chemical engineers whose ideas and inventions have made a difference in our environment today.

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## The Concept "Green For Growth"

With increasing global warming, industrial wastes, non bio-degradable production, green is becoming important strategy in the manufacturing sector; sustainability in green manufacturing is a competitive need.

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Head of Department  
Chemical Engineering Department  
GEC, Valsad