A Session on Prototype/Process Design and Development

16th February 2023

The session on "Prototype/Process Design and Development" is organized under the banner of the Student Start-Up and Innovation Policy and the Institution's Innovation Council, and aims to provide participants with a comprehensive understanding of the design and development process for a prototype. The session will cover key steps involved in transforming an idea into a tangible product and will focus on developing skills to create an effective prototype.

Key Features:

• Organizing Department: Chemical Engineering Department

• Expert Name: Dr. Jignesh R. Mehta, Assistant Professor, M.S. University, Baroda

• *Date:* 16thFebruary 2023 (2:30 p.m. to 4:00 p.m.)

• Venue: online

• No. of Participants: 63

• Event Coordinator: Dr. Milap G. Nayak

Discussion Points:

• Identify the importance of observation to generate and refine ideas

• Define the research gap before moving on to process/prototype development

• Create 2D/3D drawings to visualize the design of the prototype

• Design the process and mechanical aspects of the prototype

• Fabricate the prototype with practical constraints in mind

• Consider the importance of process parameters and choice of materials in the design

• Validate the prototype through experimental observation to ensure it meets the desired objectives

Glimpses:







