







SAL INSTITUTE OF TECHNOLOGY & ENGINEERING RESEARCH

Mechanical Engineering Department

Workshop

FOR

" DESIGN THINKING, CRITICAL THINKING AND INNOVATION DESIGN"

On

28th Dec, 2020.

Director & Principal: Dr. Rupesh Vasani

Session Conducted by - Asst.Prof Bhavik Padhiyar Asst.Prof Rupal Tank

Head of Department- Ass. Prof. Manish Patel.

Name of the Discipline & the Programme:

Mechanical/Automobile engineering department, SALITER.

Department had organized a Presentation Session on "Design Thinking, Critical thinking and Innovation Design". The same was organized with the view of introducing the students to this knowledge.

Relevance:

This is a mid-level course designed for those who have undergone the fundamentals of design thinking. So now a day product design designer uses innovation thinking to design a product.

Objective: Applying Design Thinking, Critical thinking and Innovation

The workshop aims to validate the learning's from the understanding design thinking by translating the concepts into exercises.

In this module, students will work upon community based projects to validate their learning of Design Thinking process and try to solve real issues

Course Contents:

Here in 6th semester, emphasis will be on Observation, Empathy and Ideation

Few general points needs to be covered are as mentioned below

- Design Thinking Skills
- The psychological principles of problem solving and creativity
- The relationship between creativity, problem solving, and product performance
- How to generate and identify creative ideas
- Seeing different perspectives
- Identifying Customer Needs
- Designing and defining product Specifications
- Applied Creativity
- Prototyping

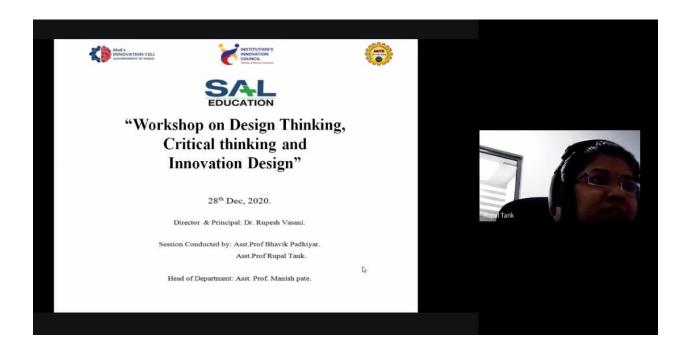
- Design for Services
- Design for Environment etc.

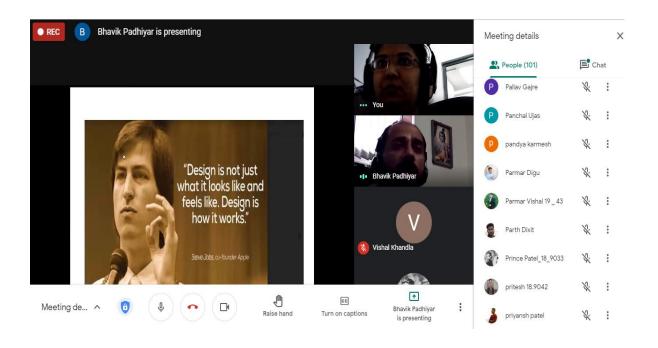
Designing something new involves several iterations on different stages/ components/ aspects. Before investing further resources in terms of time/ money/ manpower.

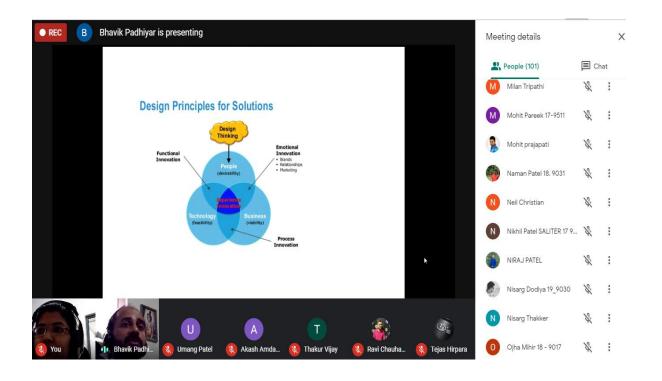
It is important to strengthen these five principles to advance for novelty. It will include several rigorous iterative efforts to make final product/process.

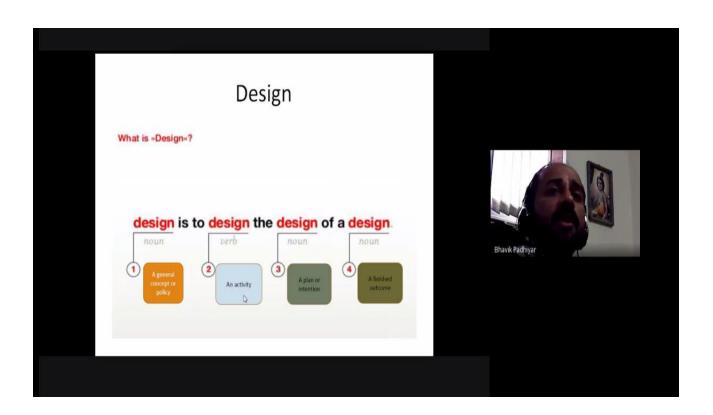
The medium for this session was the Online due to the COVID-19 circumstances.

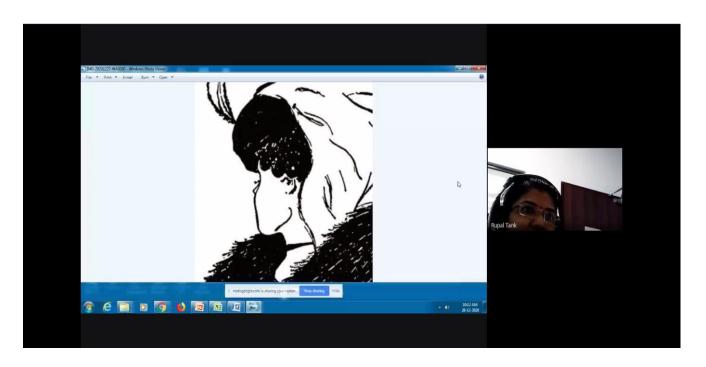
101 Students joined for this session on Google meet over the link meet.google.com/kyk-rofg-uyx. The presentation was conducted by ASST.PROF BHAVIK PADHIYAR and ASST.PROF RUPAL TANK at 9:00 Video Link. This two hours workshop was held in the SRC-2(SALITER) on 28th Dec, 2020. There were 101 students who attended the workshop and got benefited by it.





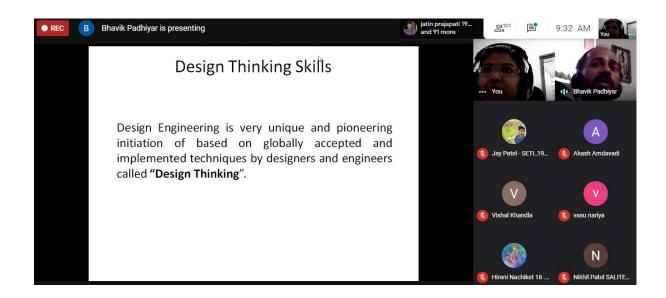


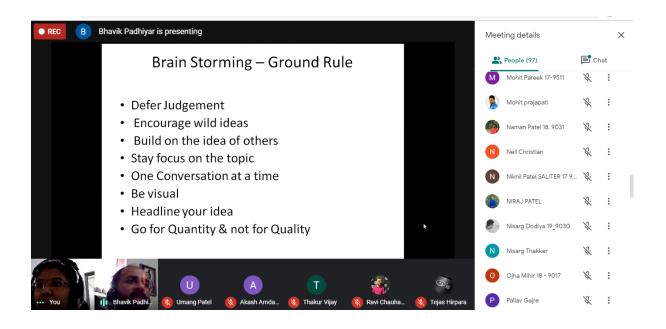






What is Product Process Design? • Process design means the complete delineation and. description of specific steps in the production process and linkage among the steps that will enable the production system to produce products systems to produce products of the desired quality, in the required quantity.







Report Prepared by

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