



Workshop on SOLIDWORKS

Date of Workshop: 2 March 2020

Program: Baba Farid College of Engineering & Tchnology Bathinda

No. of Students participated: 30

Name of Resource Person: Er. Vinod Kumar, Assistant Professor, Punjab State Aeronautical
Engineering College

Event Description:

The event started on the 2nd of March and mainly focused on the need for 3D modeling and simulation in the present engineering world. Since everything is getting its feet found in computerized technology, it's necessary for the new engineering students to get used to the upcoming technology, which primarily includes the learning of different software. Since SolidWorks had to offer a lot of features, in a day workshop, the main focus was to understand the concept of the following features.

Highlighted Features:

Sketching:

To make something or present your idea the basic thing that you do is sketch, SolidWorks allows you to do 2D, and 3D sketching with enhanced features, SolidWorks allows you to use different commands in your different stages of sketching,

- Trim and Extend
- Dimensioning
- Offset

Different line and shape commands:

Part Modeling:

In this section, participants were given knowledge about modeling a part or component of any machinery. Students were made familiar with the terms and commands that are necessary to make apart of SolidWorks. Students were given the concept of extrude features, boss feature, cut feature, fillet and revolve features.



Assembly:

SolidWorks provides this ease of making parts according to the specified dimensions so that testing of individual parts is to be done before assembling them. In assembly, students were made aware of how to insert a new part in assembly mate features, assembly features, and advanced mate.

Sheet Metal Work:

SOLIDWORKS 3D allows you to quickly create sheet metal part designs using a simple design process, saving you time and development costs, thanks to specific sheet metal features.

Benefits of such workshops:

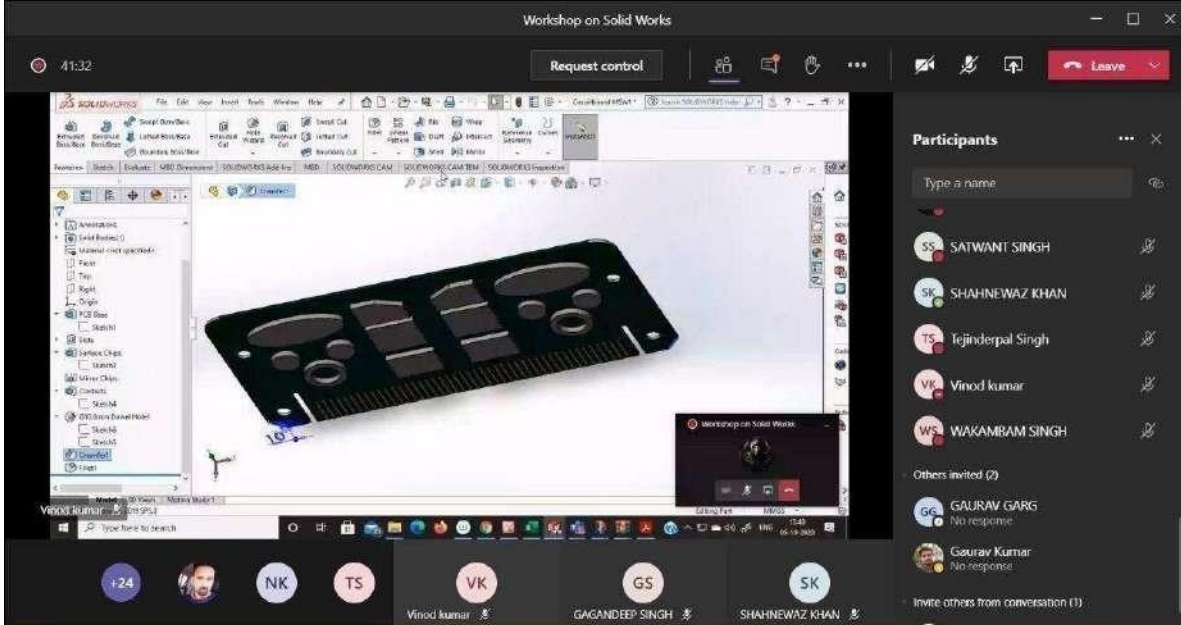
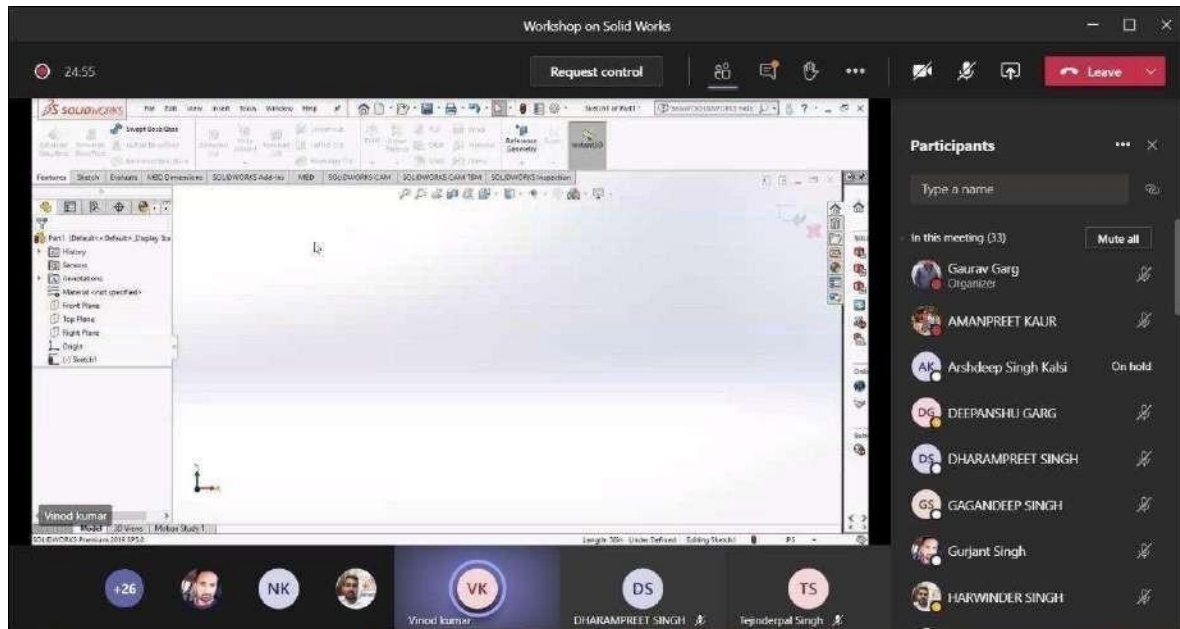
1. Builds exposure and makes students think differently.
2. Makes students understand the core values of their field.
3. Builds a practical mindset.
4. Improves their technical skills to a great extent so that they can get expertise in the required area.
5. Make students innovative and creative in their approach and to develop new ideas that would be applicable in the near future.



Brochure of the Workshop on Solid Works



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Glimpses of the Webinar