

## Product Design using Autodesk Fusion 360

### What will you learn?

Learn how to use the new Autodesk Fusion 360 software for product design using live modelling examples and hands on experience on the software with guidance from experienced authorized trainers from Autodesk.

**Duration:** 2 day

### Course Objective:

Ever wonder how to develop your idea with an easy to use yet powerful and flexible CAD package? Very often it takes a long time to get the hang of a tool and become productive. Fusion 360 and this course will help you to quickly develop high quality projects.

Fusion 360 is a cloud-based CAD/CAM tool that combines organic shapes modelling, mechanical design, and manufacturing in one comprehensive package. In this course you will learn how to sculpt your idea, then move to parts and assembly modeling, and, as a final step, create drawings, renderings and prepare for manufacturing on a CNC machine or a 3D printer.

### Topics to be covered:

Day 1:

1. Introduction of Product Design
2. Introduction of fusion 360 software
3. Sketching Environment with Exercises
4. Modelling environment with Exercises
5. Advanced features in Modelling with Projects
6. Assembly environment with Projects
7. Assembly Projects

Day 2:

8. Drawing environment with exercises
9. Render environment with exercises
10. Animation environment with exercises
11. Simulation environment with Projects
12. Final Project
13. Final Project submission

This will be followed by a competition with a problem statement given to the participants at the end of the hands on workshop and a functional script/models/app.

### Pre-requisite:

Participants must carry their own laptops and chargers.