

ANAND SUMMER SCHOOL

Course Name: “Fusion 360 & AutoCAD”

Mentor:



Name: Mr. Prashant Kumar

Experience: 9+ Years



Name: Mr. Abhijeet Jaiswal

Experience: 6+ Years

Objective & Details: Fusion 360:

- ❖ Imparting basic 2D and 3D modeling, CAD, CAM of Product in a single software .

AutoCAD:

- ❖ Create two-dimensional models and multiple mechanical components using AutoCAD 2020 in sculpt environments.

Outcomes of the Courses:

Fusion 360:

In this course students will be able to understand the computer aided design and manufacturing of tangible products. Students will be able to convert their concepts in mind into real life 3D objects.

AutoCAD:

In this course, you will acquire the knowledge needed to complete the process of designing models from conceptual sketching, through to modelling, design and drawing production.

Weekly Activities:

Week 1 Fusion 360:

1. Introduction & Installation of cloud based student version of fusion 360
2. Basic 2D Sketching using various sketching tools
3. Generation of 3D objects using various 3D tools.
4. Generation of a 3D model.
5. Assigning the developed model a realistic view.

Week 2 Fusion 360:

1. Animation of the developed model
2. 3D printing of the developed model

AutoCAD:

3. Drawing section (Circle, arc, polyline, ellipse etc..)
4. Common commands
5. Commands to modify object

Week 3

AutoCAD:

1. Hatching, hatch edit,
2. Measure area, volume, distance, radius, angle using measure tool,
3. Point in AutoCAD, break and join command,
4. Path array in AutoCAD, delete duplicate objects.
5. Quiz