# ANAND SUMMER SCHOOL

# Course Name: Fusion 360 & AutoCAD

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|  | Mentor:1. Mr. Prashant KumarExperience: 9+ Years Experience: 6+ Years |
|  | Mentor:2. Mr. Abhijeet JaiswalExperience: 9+ Years Experience: 6+ Years |

# Course Objective:

# 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 Course:

# 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.

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| Week 1 Fusion 360:1. Introduction & Installation of cloud based student version of fusion 3602. Basic 2D Sketching using various sketching tools3. 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 model2. 3D printing of the developed modelAutoCAD:3. Drawing section (Circle, arc, polyline, ellipse etc..)4. Common commands5. Commands to modify objectWeek 3AutoCAD: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 |