

**Course Title: MASTERCAM X6**

**Course Code: DS 109**

**Course Background / Summary:**

This training provides all the instructions about creating 2D and 3D Geometry Creation (CAD) and 2D and 3D Toolpath Creation (CAM) in Mastercam. It begins with absolute basics by introducing the Mastercam user interface that will include creating geometry, drilling and creating contour Toolpaths. The gradual progression lends way to more advanced concepts such as multiple setup scenarios and 2D High-Speed Toolpaths.

**Course Objectives:**

- Use Mastercam to create 2D Geometry, 2D Milling Toolpaths and use the Work Coordinate System.
- Use Mastercam to create 3D Surface Models, Solid Models and 3D Surface Machining Toolpaths.

**Target Audience:**

- Mechanical engineers, lecturers, technicians

**Course Duration: 3 Days**

**Course Contents**

**1.0 Introduction to CAD/CAM**

**2.0 Basic 3D Geometry and Generating NC Code**

**3.0 2D Tool Path**

**4.0 3D Geometry Construction**

**5.0 Advance Surface including Revolve and Swept**