

NITEC IN AEROSPACE MACHINING TECHNOLOGY

Electives (Course Specific)

Assembly Skills

On completion of the module, students should be able to select and use the correct hand tools for assembly and dismantle of mechanical components.

Co-ordinate Measuring Techniques

On completion of the module, students should be able to understand the fundamentals of co-ordinate measuring techniques. They will be able to operate and apply the application to perform mathematical alignment of various simple geometrical components and obtain the measured results as required.

Grinding

On completion of the module, students should be able to interpret technical drawings, grind components safely using a surface grinder and cylindrical grinder and supporting tools in accordance with given specific.

CNC EDM (Die-sink & Wire-cut)

On completion of the module, students should be able to interpret technical drawings, produce components safely using a CNC EDM Die-sink machine and CNC EDM Wire-cut machine and supporting tools in accordance with given specific.

Electives (Inter-disciplinary)

Design Conceptualization & Rapid Prototyping

On completion of the module, students should be able to create a 3D solid model using CAD software and to operate the rapid prototyping printing machine to generate the 3D model.