

Skill Development Course on Fixture Designing

Importance of Fixtures :

To produce any new part or component in CNC machine, we need Fixtures to hold the component while machining. Fixtures are widely used in most of the manufacturing Industries like Automotive, Aerospace, Pump assembly, Precise Parts Manufacturing industry, etc.

Why is fixture design skill important ? :

Fixture design is a vital part of New Product Development cycle. To design and manufacture the fixture we need a lot of skillsets and in-depth understanding of CNC machining process and Locating / Clamping Principles.

The Kriatec Services TEAM opens the opportunity to learn Fixture Design from Industry experts who have 20+ years of experience in Fixture Design and Manufacturing.

It encompasses the complete process of fixture designing from the Concept of Fixture Design to Manufacturing of Fixture Parts.

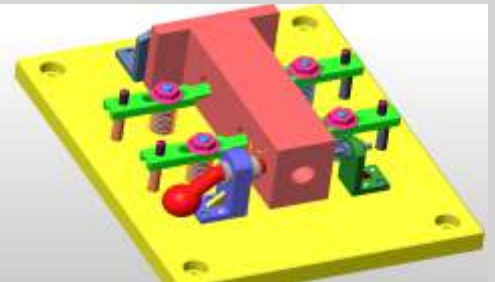
Focus Areas :

- Purpose of Fixture Design in Industries
- Types and Functions of Fixtures
- Supporting and Locating Principles
- Clamping and Work-holding Principles
- Process planning and Set -up Finalisation
- Construction of Fixtures
- Step by Step Procedure for Milling (VMC) Fixture Design
- Insight over HMC (Horizontal Machining) Fixture Design
- Live Industry examples for a better understanding
- Manufacturing Drawing Preparation for VMC and HMC Fixtures (Assembly and Detailed Drawings of Fixture parts).

Fixture Design Concepts and 2D Manufacturing Details concepts - Dos' and Don't's explained and you can use any 3D Model or 2D Drafting CAD Software or Hand sketching is also fine. The Main objective of this course is to provide insights into Fixture Design concepts and not 3D Modelling capabilities and features

Outcome of the Fixture Designing Course :

- Design a good Quality Fixture
- Identify the principles of support
- Decide the locating components of a fixture
- Decide the clamping components of a fixture
- Identify the required tolerance in a work-holding device
- Prepare a Manufacturing drawing required for manufacturing the fixture



Duration of the Fixture Design course :

- 4 weeks & 2 hours of effort per day. A Yearly Subscription Model is available.

Eligibility:

- Working professional with a minimum of 6 months of working experience from NPD/MED/PED & Production.
- Should have Degree or Diploma from a University or college.

Certification : On successful Completion of the Course, AICTE, New Delhi Evaluated Certificate will be will be provided