Skill Development Course on
New Product Development in CNC Machining

Importance of NPD in CNC Machining :
Our New Product Development in CNC Machining is constantly evolving with innovative techniques and methods to deliver high-quality products to our customers on time. With cutting-edge technologies in place, our NPD in CNC Machining plays a vital role for industries striving for growth.

FOCUS AREAS
Drawing Study
- Types of views and Projections
- Limits, Fits and Measurement Techniques of Surface Finish
- Geometrical Dimensioning and Tolerance
- Measuring Tools & Instruments

Process Planning
- How to select a machine tool by considering the type of operation and machining parameters
- How to decide the process sequence based on the component

Cutting Tool Selection
- Inserts and tool holders for turning
- Clamping systems
- Milling cutters & End mills

Fixture Design
- Basic concepts and principles of fixture design
- How to design a fixture based on component datum

Systems in NPD
- Systems used for Lean manufacturing
- Significance of CAM in costing

Currents trends in Manufacturing
- How to make the first part right at the fastest time
- Green button concept
- Factors missed out in cost estimation
- Significance of integration of CAD/ CAM in manufacturing

Outcome of New Product Development in the CNC Machining Course :
- Understand Manufacturing Drawing well and deciding the best Manufacturing Process
- Decide the best Set-up options for Machining in VMC or HMC
- Selection of the best Cutting Tools for the required operations
- Provide the basic Clamping support system to provide support during machining
- Understand the latest technologies available in CNC Machining

Duration of the New Product Development in CNC Machining course :
- 3 weeks & 2 hours effort per day. A Yearly Subscription Model is available.

Eligibility:
- Working professional with a minimum of 1 year of working experience from NPD/MED/PED, Vendor Development & Production.
- Should have a Degree/Diploma from a University or college.

Certificate : On successful Completion of the Course, the Certificate will be Issued by Kriatec Services Pvt Ltd.

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