



SIEMENS



● **DesignTech**
Technology For Designing The Future

Course Name : **NC-Numerical Control Programming**

Course Duration : 50 Hrs.

▪ **Course Contents**

- ISO MACHINE TOOL AXIS DEFINITION
- Axis nomenclature – Right hand thumb rule
- Rotational and additional axes
- Right hand rule - Vertical Machine & Horizontal Machine
- Part programming structure
- G Codes
- N Codes
- X, Y, and Z Codes
- Explanation of letters in CNC programming
- Rapid traverse movement – G00
- Introduction of standard TURNING cycles
- Introduction of standard MILLING cycles
- Introduction of standard DRILLING cycles
- Introduction of special commands in programming

Class Timing: 10 AM to 3 PM (1st, 3rd and 5th Saturday of every month)

Break: 12 PM to 1 PM