



MSME TECHNOLOGY CENTRE BHIWADI

(A Government of India Society, Ministry of Micro, Small & Medium Enterprises)

Technology Centre for Engineers..

GOVERNMENT CERTIFIED **CMM-TRAINING** (Duration: 3 Days)

Designed For..... **6th July - 8th July 2022**

- Those who would like to enter into the Field of Quality Dimensional Measurement and CMM Programming.
- Entry Level Inspectors.
- Inspection, Engineering & Production Personnel intending quality roles.
- Aspirant Students wants to upgrade and be more industry ready.



HURRY!!! ONLY 20 SEATS BATCH- Register immediately

Advanced Training Course Contents:

Basic Geometric Dimensioning & Tolerancing

- 1) Fundamentals of metrology & Basic measuring instruments. (Difference of CMM with other Instrument used for linear measurement.
- 3) Geometric dimensioning & tolerance. -Definition, Interpretation, Representation in drawings.
- 4) Introduction to CMM. -Types of CMM, Advantages and Applications.
- 5) Parts of Mitutoyo CNC CMM.

**DAY 1
(6 HOURS
PER DAY)**

Software interface and Calibration

- 6) User software interface. Co-ordinate system
- 7) Probe calibration.
- 8) Job alignment.
- 10) Measurements of Basic elements (Part 1) – Point, Line, Circle, Plane & Co-ordinate system, Cone, Sphere & Cylinder

**DAY 2
(6 HOURS PER
DAY)**

COORDINATE-MEASURING MACHINE (CMM)

- 11) Measurements of Basic elements (Part 1) – Point, Line, Circle, Plane & Co-ordinate system, Cone, Sphere & Cylinder
- 12) Measurement of Geometrical tolerances. • Straightness • Flatness • Circularity (Roundness) • Cylindricity • Parallelism • Perpendicularity • Angularity • Profile of a line • Profile of a surface • Circular Run out • Total Rut out • Position • Symmetry • Concentricity
- 13) CNC Mode of measurements.
- 14) Programming of the CMM. • Formatting techniques • Export elements • Output techniques • Probe & stylus terminologies

**DAY 3
(6 HOURS PER
DAY)**



Duration: 18 Hrs. (6hrs. per day)



MSME TECHNOLOGY CENTRE BHIWADI at Plot No. SP3-871(A), 872, RIICO Industrial Estate, Pathredi, Bhiwadi – 301019 Dist. Alwar (Rajasthan) India. Website: www.msmebhiwadi.org

Mobile No. : +91 9373161259, +91 9373161260 Landline No.: 01493242135, Follow us on: