



NSIC TECHNICAL SERVICES CENTRE

The National Small Industries Corporation Ltd.

(A Govt. of India Enterprise)

Under Ministry of Micro, Small & Medium Enterprises, Govt. of India

MECHANICAL DESIGN & CNC COURSES 2022-23

S.No.	Course Title	Course Content	Duration	Course Fee (Rs.)	Eligibility
1	Master Certificate Course in Tool Design and Advance Manufacturing (MCTDM)	Design: Moulds, Die Casting Dies, Press Tool, Jigs & Fixtures Computer Aided Design: AutoCAD, SolidWorks, Autodesk PowerShape (DELCAM), Computer Aided Manufacturing: Mastercam, Autodesk PowerMill (DELCAM), CNC: VMC, Lathe, WireEDM, Die Sinking. Conventional Machines: Lathe, Milling and Surface Grinding.	6 Months	30,000/-	B.E./ B.Tech
2	Master Certificate Course in CNC Technology (MCCT)	Workshop Practice, Cutting Tool Theory CAD/CAM - AutoCAD, Mastercam, Autodesk PowerShape & PowerMill (Delcam) CNC - Programming and Machining Practices on VMC, Lathe, Wire Cut, EDM etc.	6 Months	27,000/-	Diploma/ B.E. / B.Tech
3	Advance Certificate Course in CNC Technology (ADCNC)	Workshop Practice, Cutting Tool Theory CAD/CAM - AutoCAD, Mastercam, Autodesk PowerShape & PowerMill (Delcam) Conventional Machines - Lathe, Milling, Surface Grinding CNC - Programming and Machining Practices on VMC, Lathe, CNC Wire EDM, Die Sinking.	1 Year	24,000/-	10th Pass / 12th
4	Tool and Die Making (TDM)	Design – Moulds, Press Tool, Jigs & CAD - CAM Fixtures – AutoCAD, Mastercam Manufacturing – Mould Manufacturing with CNC Lathe, VMC & Manual Machines. Advance Manufacturing – CNC Wire EDM, Die Sinking.	1 Year	24,000/-	10th Pass / 12th
5	Advance Certificate Course in Tool and Die Manufacturing (ADTDM)	CAD/CAM – AutoCAD, Mastercam / Delcam (PowerShape, PowerMill) CNC – Programming and Machining Practices on VMC and Lathe. Advance Manufacturing – CNC Wire EDM, Die Sinking	3 Months	18,000/-	ITI

6	VMC Operation & Programming with DELCAM	VMC: Introduction, Safety, Cutting Tools, Control Panel, Homing, Datum Setting, Dialing, Part programming, Machining practices. Delcam: Introduction, 2D Drafting, 3D Modeling (Solid & surface), Assembly, Electrode Extraction, Tool Path Generation using different strategies, NC code/ program generation, Program transfer to CNC machine.	2 Months	10,000/-	Diploma/ ITI / B.E. / B.Tech
7	MASTERCAM	Introduction, Wireframe Modeling, Surface, Solid, Assembly, Tool Path Generation, Tool Path Generation using different strategies, NC code/ program generation, Program transfer to CNC machine.	4 Weeks	6,000/-	Diploma/ ITI / B.E. / B.Tech
8	DELCAM (Autodesk-Powershape, Powermill)	Introduction, 2D Drafting, 3D Modeling (Solid & Surface), Assembly, Electrode Extraction, Tool Path Generation using different strategies, NC code/ program generation, Program transfer to CNC machine.	4 Weeks	6,000/-	Diploma/ ITI / B.E. / B.Tech
9	3D CNC CMM programmer cum operator	CMM Overview, Care and Maintenance, Introduction to GD&T, 2D & 3D programming, Program interface, Probe selection and qualification, Planning for a program layout, Making a basic program with manual probing, Alignments, Measuring common features planes, lines, points, cylinders, circles, spheres, cones, Constructing common features intersections, bolt circles, etc, Constructing Auto features, Creating dimensions: distance, diameter, true position, flatness, etc., Managing probe travel, Editing Program, Generating a printout of results	2 Weeks	20,000/-	ITI / Diploma / B.E.

Note :

1. Final year students can also apply.
2. Course Fee may be paid in installments.
3. Seat reservation applicable as per Govt. of India guidelines.
4. Course may be customized as per requirements.
5. In-plant training facilities are also available.

*GST Extra as Applicable

Placement assistance
will be provided

Admission Procedure:- Admission may be taken on First cum First Serve basis by submitting copies of qualification certificate, Adhaar card, Passport size Photographs along with respective fee by cheque/DD/NEFT.

Account Name : NSIC LTD. NTSC A/C: Account No: 060200210009880

IFS Code : PUNB0060200 Bank : Punjab National Bank

For Further details please contact at : admissions@nsic.co.in or call on 9799933266
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