



THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.

NSIC Technical Services Centre

(A Government of India Enterprises under Ministry of MSME)

MECHANICAL COURSES

S.No.	Course Title	Course Content	Duration	Course Fee (Rs.)	Eligibility
1	Master Certificate Course in Advance Quality Control & Inspection (Mech.) (MCQCI)	Introduction to Metrology, Application of different measuring instruments, Non Destructive Testing, Roughness Tester, Roundness Tester, Profile Projector, Height Master, Scheduling & Documentation	4 Months	21,000/-	B.E. / B.Tech Relevant work Experience
2	Certificate course in Advance HVAC Design	Heat-Load estimation, equipment selection, location, duct design and sizing, pipe design and sizing, various quantity calculations, lift well pressurizing, staircase pressurizing and lift lobby pressurizing, area ventilation etc. training on two projects, gaining hands-on experience to design the relevant air conditioning system and also preparing various tender documents and comparisons as required.	2 Months	33,898/-	B.E. / B.Tech / Diploma in Relevant Work Experience
3	Master Certificate Course in Advance Air Conditioning (MCAAC)	Introduction to Air Conditioners (AC), Trouble Shooting of ACs (Split and Windows), HVAC Design, MEP (using REVIT), Project Works etc.	4 Months	26,000/-	
4	HAVC Design	Heating & cooling load analysis, ventilation, and refrigeration system design, Logical Systems, Mechanical Systems, Duct Work, their location, Mechanical Piping System; different systems, machines and technologies used indoor settings that need environmental regulation to improve human comfort etc.	6 Weeks	12,000/-	
5	MEP using REVIT	BIM, Basic Drawing and modify tools, Starting system Projects, Working with views, Spaces and zones, Energy Analysis, HVAC Networks, Plumbing Networks, Advance systems for HVAC and Plumbing, Electrical systems, Creating Construction Documents, Adding tags and schedules creating details etc.	6 Weeks	18,000/-	
6	Non Destructive Testing (NDT) Level-I	Dye Penetrant Testing, Magnetic Particle Testing, Ultrasonic Testing	1 Month	8,000/-	
7	Non Destructive Testing (NDT) Level-2	Dye Penetrant Testing, Magnetic Particle Testing, Ultrasonic Testing Radiographic Analysis	6 Weeks	12,000/-	B.Tech/ Graduate/ Diploma/ITI/12th/ 10th
8	Certificate course in Advance Quality Control & Inspection (CCAQCI)	Introduction to Metrology, Application of different measuring instruments, introduction to NDT, Advance Metrology: profile Projector, Height Master, Roundness Tester etc., Scheduling & Documentation	2 Months	12,000/-	Diploma/ITI in Mech, Automobile, Prod., Fitter, Turner, Machinist, etc.
9	Advance Certificate course in Welding Technology (ACWT)	Simulator: Practice on virtual media in different angle & positions, Arc Welding: Practice on different joints & positions, TIG Welding: with Argon in SS/MS, MIG Welding with CO2/MS, Spot Welding: In MS/SS, Plasma Cutting: Cutting practice, etc.	6 Months	12,000/-	



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10	Quality Control & Inspection (Mech.) (QCI)	Engineering Drawing, Application and Practice on Measuring Instrument, Practices on Advance Instruments like Digital Height Master, Digital Air Gauge, Profile Projector, etc.	1 Year	20,400/-	12th / Relevant Work Experience
11	Refrigeration & Air Conditioning (RAC)	Basic Electrical, Refrigeration Cycle, Trouble Shooting and Maintenance of Window & Split AC, Assembly of Window & Split AC, Repair of Refrigerator	1 Year	20,400/- (Day) 25,000/- (Evening or Sat. & Sun.)	10th / Relevant Work Experience
12	Automobile Air Conditioning	Refrigeration Cycle, Evaporative Cooling, Power Cycle, Automatic Climate Control, Types of refrigerants, Gas Charging, Wiring Diagram, Trouble Shooting, Installation, Preventive Maintenance	3 Months	8,000/-	
13	Fitter Fabrication (FF)	Health & Safety, Manual welding, involves identifying metals, tools; fitting and fabrication operations like measuring, marking, sawing, grinding, drilling, chiselling, threading, tapping, scraping, manual lapping and inspecting of components in order to fit a component as per specifications, Basic manual arc welding etc.	1 Year	15,600/-	
14	TIG/MIG Welding	TIG Welding: with Argon in SS / MS, Practice in Plates and Pipes MIG Welding: With CO ₂ / MS Practice in Plates and Pipes	3 Months	6,000/-	
15	ITI in Fitter, Turner, Machinist & Draughtsman (Mech.)	As per NCVT approved syllabus	2 Years	34,800/-	10th Pass with Maths & Science

HOW TO REGISTER : For above Courses, Admission may be taken on First Come First Serve basis by submitting copies of highest qualification, Aadhaar Card, Passport Sized Photograph along with respective fee by Cheque/DD/NEFT in favour of NSIC LTD. **NTSC A/c Bank: Punjab National Bank, Account No. 062002100009880, IFS Code: PUNB0060200**

GST Will be charged extra **EXCEPT ITI COURSES**. Cash Payment will not be accepted. Reservation of Seats For SC/ST/OBC/PH as per Rules in Force.

FOR MORE DETAILS CONTACT:

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