

# MEDIUM TERM COURSES

(2017-18)

**SKILL DEVELOPMENT PROGRAMMES**

FOR: BE / DME / ITI

COURSE	CONTENTS	DURATION	REG. FEE	SEC. DEP.	COURSE FEES
<b>MASTER CERTIFICATE COURSE IN AUTOMATION &amp; PROCESS CONTROL (NSQF LEVEL- 7)</b>	Electrical Hardware Logic Control, Electrical Machines Sensor & Transducer, E-CAD Pneumatics & Hydraulics System Programmable Logic Controller SCADA & HMI, TIA- Portal Embedded Systems, Robotics Machine Maintenance Communication Skill, Project Work	<b>24 WEEKS</b> (8HRS/DAY)	<b>Registration Fee of Rs. 600/- Applicable To All Courses</b>	<b>Security Deposit of Rs. 3000/- Applicable To All Courses</b>	<b>40,000/-</b>
<b>MASTER CERTIFICATE COURSE IN COMPUTER AIDED TOOL ENGINEERING (NSQF LEVEL- 6)</b>	Computer Aided Design (Auto CAD & Solidworks) Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM) Advance Computer Aided Design (CREO) Computer Aided Engineering (Ansys & Hypermesh) Design of Press Tools, Design of Moulds Entrepreneurship, Course - Work : Project	<b>24 WEEKS</b> (8HRS/DAY)			<b>40,000/-</b>
<b>MASTER CERTIFICATE COURSE IN CAD/CAM (NSQF LEVEL- 6)</b>	Computer Aided Design (Auto CAD & Solidworks) Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM) Advance Computer Aided Design (CREO & CATIA) CNC Programming & CNC Machining Computer Aided Engineering (Ansys) Entrepreneurship, Course - Work : Project	<b>24 WEEKS</b> (8HRS/DAY)			<b>40,000/-</b>
<b>MASTER CERTIFICATE COURSE IN TOOL DESIGN (NSQF LEVEL- 6)</b>	Computer Aided Design (Auto CAD & Solidworks) Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM) Design of jigs & Fixtures, Press Tools, Moulds Design of Die Casting Dies /Entrepreneurship, Course - Work : Project	<b>24 WEEKS</b> (8HRS/DAY)			<b>40,000/-</b>
<b>Master Certificate Course In CNC Technology (NSQF LEVEL- 6)</b>	CNC Machining (Lathe & Milling) CNC Programming (Lathe & Milling - Fanuc series) Advance CAM (Master CAM & UG CAM) Del CAM Business Communication Course - Work : Project	<b>24 WEEKS</b> (8 HRS / DAY)			<b>40,000/-</b>
<b>MASTER CERTIFICATE COURSE IN PRODUCT DESIGN (NSQF LEVEL- 6)</b>	Computer Aided Design (Auto CAD & Solidworks) Computer Aided Manufacturing (DELCAM) Advance CAD (CREO Parametric) Rapid Prototyping( Additive Manufacturing Fundamental of Tool & Dies 3D Scanning & 3D Printing Entrepreneurship, Course - Work : Project	<b>24 WEEKS</b> (8 HRS / DAY)			<b>40,000/-</b>
<b>ADVANCE DIPLOMA IN STRUCTURAL DESIGN &amp; ANALYSIS (NSQF LEVEL- 6)</b>	Auto CAD (Civil),Engineering Drawing Revit Architecture, Staad Pro 3Ds Max , Total Station SOM, Estimating & Costing Adobe Photoshop, Auto Level, MS Office Soft Skill, Project Work	<b>24 WEEKS</b> (8 HRS / DAY)			<b>40,000/-</b>
<b>MASTER CERTIFICATE COURSE IN MECHATRONICS (NSQF LEVEL- 6)</b>	Industrial Pneumatics & Hydraulics SCADA, PLC Programing E-CAD, Sensors & Actuaters Mechatronics Technology & kits Entrepreneurship, Course - Work : Project	<b>24 WEEKS</b> (8 HRS / DAY)			<b>40,000/-</b>
<b>ADVANCE DIPLOMA IN MACHINE MAINTENANCE &amp; AUTOMATION (NSQF LEVEL- 6)</b>	Electrical Hardware Control, Electrical Machines Pneumatics & Hydraulics Machine Maintenance,PLC, SCADA & HMI, Electrical CAD Communication Skill, Project Work	<b>24 WEEKS</b> (8 HRS / DAY)			<b>40,000/-</b>
<b>MASTER CERTIFICATE COURSE IN WELDING OPERATION</b>	Advance Welding Technology Arc Welding , Gas Welding MIG / MAG Welding, TIG Welding Entrepreneurship, Course - Work : Project	<b>24 WEEKS</b> (8 HRS / DAY)			<b>40,000/-</b>

**For BE / DIPLOMA / ITI**  
**(Part Time Courses for Industrial Professionals only)**

COURSE	CONTENTS	DURATION	REG. FEE	SEC. DEP.	COURSE FEES
<b>CERTIFICATE COURSE IN MECHATRONICS</b>	Applied Pneumatics, Applied Hydraulics, PLC Programming, Mechatronics Technology, Project Work	<b>24 WEEKS</b> (4 HRS / DAY)	<b>Registration Fee of Rs. 600/-</b> Applicable To All Courses	<b>Security Deposit of Rs. 3000/-</b> Applicable To All Courses	<b>25,000/-</b>
<b>CERTIFICATE COURSE IN VLSI &amp; EMBEDDED SYSTEMS DESIGN</b>	DSCH, COMS, Layout Design (Micro wind 3), VHDL, XILINX, ALTERA, VERILOG, PLD (FPGA & CPLD), Embedded System, C Language, 8051, PIC & ARM7 (LPC2148) Microcontroller Project Work	<b>24 WEEKS</b> (4 HRS / DAY)			<b>25,000/-</b>
<b>CERTIFICATE COURSE IN CAD/CAM</b>	AutoCAD (CAD), Master CAM(CADCAM), CATIA, (CAD), Unigraphics (CAD/CAM), CNC Programming, Project Work	<b>24 WEEKS</b> (4HRS/DAY)			<b>25,000/-</b>
<b>CERTIFICATE COURSE IN TOOL DESIGN</b>	AutoCAD (CAD) Design of Jigs & Fixtures, Design Of Press Tools, Design Of Moulds, Design of Die Casting Dies, Project Work	<b>24 WEEKS</b> (4HRS/DAY)			<b>25,000/-</b>
<b>CERTIFICATE COURSE IN TOOL DESIGN &amp; CAD/CAM</b>	AutoCAD (CAD), MasterCAM (CAM), CATIA (CAD), Unigraphics (CAD/CAM), Design of Jigs & Fixtures, Design Of Press Tools, Design Of Moulds, Design of Die Casting Dies, CNC Programming, Project Work	<b>48 WEEKS</b> (4HRS/DAY)			<b>50,000/-</b>
<b>CERTIFICATE COURSE IN PRODUCT DESIGN</b>	AutoCAD (CAD), Solid Works (CAD), Delcam RP&RE, Tool Design, Project Work	<b>24 WEEKS</b> (4HRS / DAY)			<b>25,000/-</b>
<b>CERTIFICATE COURSE IN 3D PRINTING &amp; REVERSE ENGINEERING</b>	AutoCAD (CAD), Solid Works (CAD), 3D Printing, 3D scanning, Project Work	<b>24 WEEKS</b> (4 HRS / DAY)			<b>25,000/-</b>

**FOR 12TH PASSOUT / B.SC. GRADUATES / ITI (APPEARED)**

COURSE	CONTENTS	DURATION	REG. FEE	SEC. DEP.	COURSE FEES
<b>ADVANCE CERTIFICATE COURSE IN INSPECTION &amp; QUALITY CONTROL (NSQF LEVEL-5)</b>	Engineering Drawing, Engineering Metrology, CAD (Auto CAD & Unigraphics NX), Workshop Calculation, Total Quality Management, Inspection(CMM), Projects	<b>24 WEEKS</b> (8HRS/DAY)	<b>Registration Fee of Rs. 600/-</b> Applicable To All Courses	<b>Security Deposit of Rs. 3000/-</b> Applicable	<b>30,000/-</b>

**FOR: SSC (PASSOUTS)**

COURSE	CONTENTS	DURATION	REG. FEE	SEC. DEP.	COURSE FEES
<b>CERTIFICATE COURSE IN CNC MACHINE OPERATIONS – LATHE (NSQF LEVEL- 4)</b>	Workshop Technology, Blue Print Reading, Engineering Metrology, Workshop Practice (Lathe), CNC Programming (Lathe), CNC Machining (Lathe), Live Projects - CNC Machining	<b>24 WEEKS</b> (8HRS/DAY)	<b>Registration Fee of Rs. 600/-</b> Applicable To All Courses	<b>Security Deposit of Rs. 3000/-</b> Applicable To All Courses	<b>20,000/-</b>
<b>CERTIFICATE COURSE IN CNC MACHINE OPERATIONS – MILLING (NSQF LEVEL- 4)</b>	Workshop Technology, Blue Print Reading, Engg. Metrology, Workshop Practice (Milling), CNC Programming (Milling), CNC Machining (Milling), Live Projects - CNC Machining	<b>24 WEEKS</b> (8HRS/DAY)			<b>20,000/-</b>
<b>CERTIFICATE COURSE IN MACHINE OPERATIONS – WIRE CUT &amp; EDM</b>	Workshop Technology, Blue Print Reading, Engineering Metrology, Workshop Practice (Lathe & Milling), CNC Programming (Wire Cut & EDM), CNC Machining (Wire Cut & EDM), Live Projects – CNC Machining	<b>24 WEEKS</b> (8HRS/DAY)			<b>20,000/-</b>

**Note:**

- One batch will be started from the first Monday of every month for all courses.
- Institute reserves right to incorporate changes in course contents, course duration, Intake Capacity, No. of Batches & Course Fees without prior notice.
- 18% GST will be applicable on Course Fee, Registration Fee & Other Fee for Non NSQF Medium Term Courses & will have to be borne by the trainee.
- For Non NSQF compliance courses course fee exemption in case of SC ST candidates is not applicable