

# **Long Term Courses (B)**

**ADMISSION ON FIRST CUN FIRST SERVE BASIS**  
**Career Oriented In Courses (BE / DME / ITI / SSC)**

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<b>Name Of The Course</b>	<b>POST GRADUATE DIPLOMA IN TOOL DESIGN &amp; CAD/CAM (PGDTD&amp;CC)</b> <b>NSQF LEVEL- 8</b>		
<b>Objectives</b>	To be acquainted with modern Tool Design & CAD/CAM Technology To plan and execute the Design & Manufacturing of Press Tools, Plastic Moulds, Die Casting Dies, Jigs & Fixtures, etc. Using Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining.		
<b>Duration</b>	18 Months		
<b>Course Fees</b>	Rs. 90,000/-		
<b>Eligibility</b>	Degree in Engg. (Mech./Prod./Automobile) or Equivalent		
<b>Course Contents</b>	<b>First Semester</b> 1. CNC PROGRAMMING & CNC MACHINING 2. COMPUTER AIDED DESIGN (CAD-Auto CAD/Collab CAD & Solid works) 3. AIDED MANUFACTURING (Master CAM & Unigraphics CAM) 4. JIGS, FIXTURES AND GAUGES 5. DESIGN OF PRESS TOOLS 6. DESIGN OF MOULDS	<b>Second Semester</b> 7. DESIGN OF DIE CASTING DIES 8. ADVANCED METROLOGY 9. ADVANCED-CAD-I (Unigraphics & CATIA) 10. MANUFACTURING PROCESS-PROCESS PLANNING AND HEAT TREATMENT 11. ADVANCED-CAD-II (PRO-E) 12. COMPUTER AIDED ENGINEERING (ANSYS) 13. RAPID PROTOTYPING AND REVERSE ENGINEERING	<b>Third Semester</b> 14 ENTREPRENEURSHIP 15. ENGINEERING RESEARCH METHODOLOGY 16. COURSE-WORK: PROJECT

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<b>Name Of The Course</b>	<b>POST GRADUATE DIPLOMA IN MECHANICAL PRODUCT DESIGN (PGDMPD)</b> <b>NSQF LEVEL- 8</b>		
<b>Objectives</b>	To be acquainted with Mechanical Product Design Techniques. To plan and execute the Mechanical Product Design using CAD/CAM & Additive Manufacturing.		
<b>Duration</b>	18 Months		
<b>Course Fees</b>	Rs. 90,000/-		
<b>Eligibility</b>	Degree in Engg. (Mech./Prod./Automobile) or Equivalent		
<b>Course Contents</b>	<b>First Semester</b> 1. PRODUCT DESIGN & DEVELOPMENT 2. QUALITY CONCEPTS IN DESIGN 3. MATERIAL IN PRODUCT DESIGN & DEVELOPMENT 4. RAPID PROTOTYPING 5. DIE DESIGN AND DEVELOPMENT 6. AUTOCAD	<b>Second Semester</b> 7. CREO 8. PRODUCT LIFE CYCLE MANAGEMENT 9. DESIGN MANAGEMENT 10. APPLIED ERGONOMICS 11. MICRO ELECTRO MECHANICAL SYSTEM 12. CAM(MASTER CAM) 13. HYPERMESH 14. REVERSE ENGINEERING	<b>Third Semester</b> 15. COURSE-WORK: PROJECT

3

<b>Name of The Course</b>	<b>POST GRADUATE DIPLOMA IN MECHATRONICS(PGDIM) NSQF LEVEL- 8</b>		
<b>Objectives</b>	To be acquainted with Mechatronics system controls. To plan & Execute automation solutions using PLC programming, SCADA, Hydraulics & Pneumatics.		
<b>Duration</b>	18 Months		
<b>Course fees</b>	Rs. 90,000/-		
<b>Eligibility</b>	Degree in Engg. (Mech./Electronics./Electricals) or Equivalent		
<b>Course Contents</b>	<b>First Semester</b> 1. FUNDAMENTALS FOR MECHATRONICS 2. ADVANCE METROLOGY & QUALITY CONTROL 3. ELECTRICAL CIRCUITS & PANNELLING 4. INDUSTRIAL INSTRUMENTATION & SENSORS 5. ELECTRICAL CAD 6. POWER ELECTRONICS & DRIVES	<b>Second Semester</b> 7. HYDRAULICS & PNEUMATICS 8. MECHATRONICS SYSTEM DESIGN 9. INDUSTRIAL AUTOMATION 10. INDUSTRIAL EQUIPMENT MAINTENANCE & SAFETY 11. ADVANCED-CAD 12. EMBEDDED SYSTEM	<b>Third Semester</b> 13. ENTREPRENEURSHIP 14. ROBOTICS 15. TECHNOLOGY IN MECHATRONICS 16. WORK ON PROJECTS

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<b>Name of The Course</b>	<b>POST DIPLOMA IN TOOL DESIGN &amp; CAD/CAM (PDTD&amp;CC) NSQF LEVEL- 6</b>	
<b>Objectives</b>	To be acquainted with modern Tool Design & CAD/CAM Technology. To plan and execute the Design of Press Tools Jigs & Fixtures, etc. Using Computer Aided Design, with Knowledge of Computer Aided Manufacturing, CNC Programming & Machining.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	Rs. 60,000/-	
<b>Eligibility</b>	Degree/ Diploma in Engg. (Mech./Prod./Automobile) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. CNC PROGRAMMING & CNC MACHINING 2. COMPUTER AIDED DESIGN (CAD-Auto CAD/Collab CAD & Solid works) 3. AIDED MANUFACTURING (Master CAM & Unigraphics CAM) 4. DESIGN OF JIGS, FIXTURES AND GAUGES 5. DESIGN OF PRESS TOOLS 6. DESIGN OF MOULDS	<b>Second Semester</b> 7. DESIGN OF DIE CASTING DIES 8. ENGINEERING METROLOGY & QUALITY CONTROL 9. ADVANCED CAD (Unigraphics & CATIA) 10. MANUFACTURING PROCESS-PROCESS PLANNING AND HEAT TREATMENT 11. ENTREPRENEURSHIP 12. COURSE-WORK: PROJECT

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<b>Name of The Course</b>	<b>POST DIPLOMA IN TOOL &amp; DIE MANUFACTURING (PDTDM) NSQF LEVEL- 6</b>	
<b>Objectives</b>	To be acquainted with modern Tool & Die Manufacturing Technology. To plan and execute the Manufacturing of Tool & Dies using latest Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining Practices.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	Rs.60,000/-	
<b>Eligibility</b>	Degree/ Diploma in Engg. (Mech./Prod./Automobile) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. CNC PROGRAMMING AND CNC MACHINING 2. COMPUTER AIDED DESIGN (CAD-Auto CAD/Collab CAD and Solid works) 3. FUNDAMENTAL OF TOOL & DIE MANUFACTURING 4. ENGINEERING METROLOGY AND QUALITY ASSURANCE 5. PRODUCTION PLANNING & CONTROLS 6. COMPUTER AIDED MANUFACTURING (Master CAM & Unigraphics CAM) 7. ADVANCE CAM (Del cam 3 Axis and 5 Axis) 8. ENGINEERING MATERIALS & HEAT TREATMENT 9. TOTAL QUALITY MANAGEMENT 10. METAL CUTTING AND TOOL DESIGN 11. ENTREPRENEURSHIP	<b>Second Semester</b> COURSE-WORK: PROJECT

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<b>Name of The Course</b>	<b>POST DIPLOMA IN COMPUTER AIDED ENGINEERING (PDCAE) NSQF LEVEL- 6</b>	
<b>Objectives</b>	To be acquainted with modern Tool Engineering Technology. To plan and execute the Manufacturing of Tool & Dies using latest Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining Practices.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	Rs. 60,000/-	
<b>Eligibility</b>	Degree/ Diploma in Engg. (Mech./Prod./Automobile) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. AUTOCAD 2. UNIGRAPHICS (CAD) 3. DESIGN OF PLASTIC MOULD 4. DESIGN OF PRESS TOOL 5. HYPERMESH	<b>Second Semester</b> 6. ANSYS 7. MOULD X 3D 8. CREO 9. INTERSHIP / LIVE PROJECT

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<b>Name of The Course</b>	<b>POST DIPLOMA IN PRODUCT DESIGN (PDPD)</b>	
<b>Objectives</b>	To be acquainted with Product Design Techniques. To plan and execute the Product Design using CAD/CAM & Additive Manufacturing.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	Rs. 60,000/-	
<b>Eligibility</b>	Degree/ Diploma in Engg. (Mech./Prod./Automobile) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> CAD ( Auto CAD) CAD ( Solidworks) CAD (UNIGRAPHICS) Material Specification & Testing Engineering Metrology CAE (ANSYS) CAE (HYPERMESH) Reverse Engineering & Rapid Prototyping Product Design using Solid Thinking 3D Printing 3D Scanning Product Validation using Radios & Optistruct Project Product Design	<b>Second Semester</b> Live Projects in Production – Product Development

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<b>Name of The Course</b>	<b>POST DIPLOMA IN CNC MACHINE MAINTAINANCE (PDCMM)</b>	
<b>Objectives</b>	To be acquainted with modern day machine Maintenance Techniques. To plan and execute the maintenance automation solutions using PLC Programming hydraulics & pneumatics, SCADA & other mechatronics system controls of the CNC machine & their maintenance.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	Rs. 60,000/-	
<b>Eligibility</b>	Degree/ Diploma in Engg. (Mech./ Elec./ ETC/ Instru.) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. BASIC HYDRAULIC & PNEUMATICS 2. BASIC ELECTRICALS 3. BASIC ELECTRONICS 4. BASIC OF MACHINE TOOLS 5. BASIC OF LUBRICATION 6. MACHINE MAINTENANCE PRACTICE	<b>Second Semester</b> 7. MTS & SIMULATION LAB 8. TEST CHART FUNDAMENTALS 9. TPM 10. WORKSHOP MAINTENANCE PRACTICE 11. INTERSHIP

9

<b>Name of The Course</b>	<b>Post Diploma in Mechatronics(PDIM) NSQF LEVEL- 6</b>	
<b>Objectives</b>	To be acquainted with Mechatronics system controls. To plan & execute the automation solution using PLC programming Hydraulics & Pneumatics, SCADA	
<b>Duration</b>	12 Months	
<b>Course fees</b>	Rs. 60,000/-	
<b>Eligibility</b>	Degree/ Diploma in Engg. (Mech. / Elec. / ETC / Instrumentation) Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. MECHATRONICS FUNDAMENTALS 2. SENSORS AND ACTUATORS 3. PROGRAMMABLE LOGIC CONTROLLER 4. HYDRAULICS & PNEUMATICS 5. ENGINEERING METROLOGY & QUALITY CONTROL 6. COMPUTER AIDED DESIGN	<b>Second Semester</b> 7. ELECTRICAL DRIVES & CONTROL 8. ENTREPRENEURSHIP 9. MICROPROCESSORS & APPLICATIONS 10. MECHATRONICS LAB 12. SUPERVISORY CONTROL AND DATA ACQUISITION

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<b>Name of The Course</b>	<b>Post Diploma In VLSI &amp; Embedded systems (PDVLSI &amp; ES)</b>	
<b>Objectives</b>	To be acquainted with ASIC Design and Verification, Embedded Design system. To plan & Design solutions for small size, high speed, high performance computational applications using VLSI & Embedded circuits.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	RS. 60,000/-	
<b>Eligibility</b>	Degree/Diploma in Engg. (Mech. / Elec. / ETC / Instrumentation) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> Basics of Electronics Digital Electronics C Programming C++ Programming Electronics Circuit Design PCB Designing 8051 Microcontroller	<b>Second Semester</b> VLSI-Back End VLSI-Front End ARM7 LPC2148 Microcontroller PIC Microcontroller Live Projects- VLSI/Embedded ( Either of the disciplines )

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<b>Name of The Course</b>	<b>POST DIPLOMA IN INDUSTRIAL AUTOMATION AND ROBOTICS(PDIA/R) NSQF LEVEL- 6</b>	
<b>Objectives</b>	To be acquainted modern day industrial automation techniques. To plan & execute the industrial automation & robotics application using mechatronics system control.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	RS. 60,000/-	
<b>Eligibility</b>	Degree/Diploma in Engg. (Mech. / Elec. / ETC / Instrumentation) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. PROGRAMMABLE LOGIC CONTROLLER 2. SCADA 3. HMI 4. HYDRAULICS & PNEUMATICS 5. ELECTRICAL CAD 6. POWER ELECTRONICS (TH) 7. DRIVES	<b>Second Semester</b> 8. ELECTRICAL CIRCUITS & PANELLING 9. PROCESS INSTRUMENTATION 10. INDUSTRIAL AUTOMATION 11. ENTREPRENEURSHIP 12. ROBOTICS 13. TECHNOLOGY IN AUTOMATION

12

<b>Name of The Course</b>	<b>ADVANCE CERTIFICATE COURSE IN TOOL DESIGN &amp; CAD/CAM (ACCTD&amp;CC)</b> <b>NSQF LEVEL- 5</b>	
<b>Objectives</b>	To be acquainted with modern Tool Design & CAD/CAM Technology To plan and execute the Design of Press Tools Jigs & Fixtures, etc. Using Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining	
<b>Duration</b>	12 Months	
<b>Course fees</b>	RS. 50,000/-	
<b>Eligibility</b>	Diploma in Engg. (Mech. /Prod.) or I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. CNC PROGRAMMING & CNC MACHINING 2. COMPUTER AIDED DESIGN (CAD-Auto CAD/Collab CAD & Solid works) 3. AIDED MANUFACTURING (Master CAM & Unigraphics CAM) 4. DESIGN OF JIGS, FIXTURES AND GAUGES 5. DESIGN OF PRESS TOOLS 6. DESIGN OF MOULDS	<b>Second Semester</b> 7. DESIGN OF DIE CASTING DIES 8. ENGINEERING METROLOGY & QUALITY CONTROL 9. ADVANCED CAD (Unigraphics & CATIA) 10. MANUFACTURING PROCESS-PROCESS PLANNING AND HEAT TREATMENT 11. ENTREPRENEURSHIP 12. COURSE-WORK: PROJECT

13

<b>Name of The Course</b>	<b>ADVANCE CERTIFICATE COURSE IN TOOL &amp; DIE MANUFACTURING (ACCTDM)</b> <b>NSQF LEVEL- 5</b>	
<b>Objectives</b>	To be acquainted with modern Tool & Die Manufacturing Technology. To plan and execute the Manufacturing of Tool & Dies using latest Computer Aided Design, Computer Aided Manufacturing, CNC Programming & Machining Practices.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	Rs.50,000/-	
<b>Eligibility</b>	Diploma in Engg. (Mech. /Prod.) or I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker) or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. CNC PROGRAMMING AND CNC MACHINING 2. COMPUTER AIDED DESIGN (CAD-Auto CAD/Collab CAD and Solid works) 3. FUNDAMENTAL OF TOOL & DIE MANUFACTURING 4. ENGINEERING METROLOGY AND QUALITY ASSURANCE 5. PRODUCTION PLANNING & CONTROLS 6. COMPUTER AIDED MANUFACTURING (Master CAM & Unigraphics CAM) 7. ADVANCE CAM (Del cam 3 Axis and 5 Axis) 8. ENGINEERING MATERIALS & HEAT TREATMENT 9. TOTAL QUALITY MANAGEMENT 10. METAL CUTTING AND TOOL DESIGN 11. ENTREPRENEURSHIP	<b>Second Semester</b> COURSE-WORK: PROJECT

**Note:**

- New Batch for above courses (1 to 13) will be started from the first Monday of January, April, July & October of calendar year.
- 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 Long 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

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<b>Name of The Course</b>	<b>ADVANCE CERTIFICATE COURSE IN CNC MACHINING (ACCCM) NSQF LEVEL- 5</b>	
<b>Objectives</b>	To be acquainted with CNC Machining Techniques. To Programme & Handle CNC Machines (Lathe, Milling, Wire-cut & EDM)	
<b>Duration</b>	12 Months	
<b>course fees</b>	Rs. 50,000/-	
<b>Eligibility</b>	Diploma in Engg. (Mech. /Prod.) or I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker)	
<b>Course Contents</b>	<b>First Semester</b> 1. CNC PROGRAMMING AND CNC MACHINING 2. ENGINEERING METROLOGY & QUALITY ASSURANCE-THEORY 3. ENGINEERING METROLOGY AND QUALITY ASSURANCE-PRACTICAL 4. PRODUCTION PLANNING & CONTROLS 5. COMPUTER AIDED MANUFACTURING. (Master CAM) 6. ADVANCE CAM (Del cam 3 Axis and 5 Axis) 7. TOTAL QUALITY MANAGEMENT 8. FUNDAMENTALS OF METAL CUTTING 9. ENTREPRENEURSHIP	<b>Second Semester</b> COURSE-WORK: PROJECT

15

<b>Name of The Course</b>	<b>ADVANCE CERTIFICATE COURSE IN MACHINE MAINTENANCE (ACMCM) NSQF LEVEL- 5</b>	
<b>Objectives</b>	To be acquainted with CNC Machine Maintenance (Mechanical, Electrical, Electronics) with live projects on CNC Machine & Conventional Maintenance.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	RS. 50,000/-	
<b>Eligibility</b>	Diploma in Engg. (Mech. / Prod.) or I.T.I. (Machinist / Turner / Electrician / Electronics / MMTM / MMTR / Tool & Die Maker)	
<b>Course Contents</b>	<b>First Semester</b> 1. BASIC HYDRAULIC & PNEUMATICS 2. BASIC ELECTRICALS 3. BASIC ELECTRONICS 4. BASIC OF MACHINE TOOLS 5. BASIC OF LUBRICATION 6. MACHINE MAINTENANCE PRACTICE	<b>Second Semester</b> 7. MTS & SIMULATION LAB 8. TEST CHART FUNDAMENTALS 9. TPM 10. WORKSHOP MAINTENANCE PRACTICE 11. INTERSHIP

16

<b>Name of The Course</b>	<b>ADVANCE CERTIFICATE COURSE IN WELDING TECHNOLOGY (ACCWT) NSQF LEVEL- 5</b>	
<b>Objectives</b>	To be acquainted with Advance Welding techniques with live projects on Arc Welding, Gas Welding, MIG / MAG Welding, TIG Welding.	
<b>Duration</b>	12 Months	
<b>Course fees</b>	RS. 50,000/-	
<b>Eligibility</b>	Diploma in Engg. (Mech. / Prod.) or I.T.I. (Machinist / Turner / Electrician / Electronics / MMTM / MMTR / Tool & Die Maker)	
<b>Course Contents</b>	<b>First Semester</b> 1. PERSONALITY DEVELOPMENT & COMPUTER LITERACY 2. ENGINEERING CALCULATION & SCIENCE 3. MECHANICAL DRAWING 4. WELDING TECHNOLOGY (THEORY) 5. WELDING TECHNOLOGY (PRACTICE)	<b>Second Semester</b> 6. PERSONALITY DEVELOPMENT & COMPUTER LITERACY 7. ENGINEERING CALCULATION & SCIENCE 8. MECHANICAL DRAWING 9. WELDING TECHNOLOGY (THEORY) 10. WELDING TECHNOLOGY (PRACTICE)

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<b>Name of The Course</b>	<b>Certificate Course in CNC Turning &amp; Milling (CCCTM) NSQF LEVEL- 4</b>	
<b>Objectives</b>	To be acquainted with Manufacture of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges, Die Casting Dies, etc. on conventional machines independently with exposure to CNC technology.	
<b>Duration</b>	12 Months	
<b>course fees</b>	Rs. 40,000/-	
<b>Eligibility</b>	10 <sup>th</sup> Std. or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> 1. ENGINEERING DRAWING-THEORY 2. ENGINEERING DRAWING - PRACTICAL 3. ENGINEERING METROLOGY -THEORY 4. ENGINEERING METROLOGY- PRACTICAL 5. WORKSHOP TECHNOLOGY - THEORY 6. WORKSHOP TECHNOLOGY - PRACTICAL 7. WORKSHOP CALCULATION 8. EMPLOYABILITY SKILL 9. EMPLOYABILITY SKILL – PRACTICAL 10. CNC PROGRAMMING AND CNC MACHINING - THEORY	<b>Second Semester</b> 11. CNC PROGRAMMING AND CNC MACHINING – PRACTICAL 12. QUALITY MANAGEMENT SYSTEM 13. GROUP DISCUSSION AND PERSONALITY IMPROVEMENT 14. COMPUTER AIDED DRAFTING & DESIGN(AUTOCAD) 15. COMPUTER AIDED MANUFACTURING (MASTER CAM) 16. CNC PROGRAMMING AND CNC MACHINING - ON JOB TRAINING

18

<b>Name of The Course</b>	<b>Certificate course in CNC Turning Milling (CCCTM)</b>	
<b>Objectives</b>	To produce different parts of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges, Die Casting Dies, etc. on conventional machines independently with exposure to CNC technology	
<b>Duration</b>	12 Months	
<b>course fees</b>	Rs. 40,000/-	
<b>Eligibility</b>	10 <sup>th</sup> Std. or Equivalent	
<b>Course Contents</b>	<b>First Semester</b> Work Shop Technology Engineering Drawing Material Technology Engineering Metrology Work Shop Practice	<b>Second Semester</b> Work Shop Practice CNC Technology CNC Programming CNC Machining (Lathe & Milling )

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<b>Name of The Course</b>	<b>Certificate course In Machine Tool Operation &amp; Welding Operations (CCMT&amp;WO)</b>	
<b>Objectives</b>	To be acquainted with Conventional Machine Operations & Basics Welding Operations like Gas Welding & Arc Welding	
<b>Duration</b>	12 Months	
<b>course fees</b>	Rs. 40,000/-	
<b>Eligibility</b>	10 <sup>th</sup> Appeared	
<b>Course Contents</b>	<b>First Semester</b> Work shop Technology Engineering Drawing Material Technology Engineering Metrology Welding Technology Workshop Practice (Conventional Machining) Workshop Practice (Welding – Arc & Gas)	<b>Second Semester</b> Live Project – Conventional Machining Live Project - Arc & Gas Welding

<b>Name of The Course</b>	<b>Certificate course In Machine Maintenance &amp; Welding Operations (CCMM&amp;WO)</b>	
<b>Objectives</b>	To be acquainted with Conventional Machine Maintenance(Mechanical) & Basics Welding Operations like Gas & Arc Welding	
<b>Duration</b>	12 Months	
<b>course fees</b>	Rs. 40,000/-	
<b>Eligibility</b>	10 <sup>th</sup> Appeared	
<b>Course Contents</b>	<b>First Semester</b> Workshop Technology Engineering Drawing Material Technology Engineering Metrology Basics Of Mechanical Maintenance Maintenance Practice Welding Technology Workshop Practice (Conventional Machining) Workshop Practice (Welding – Arc & Gas)	<b>Second Semester</b> Live Projects - Maint. Practice (Mechanical) Live Projects - Welding Operations (Arc & Gas)

**Note:**

- New Batch for above courses (14 to 20) will be started from the first Monday of February, May, August & November of calendar year.
- 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 Long 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