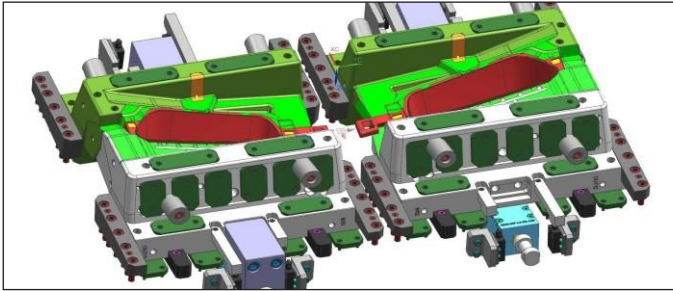


TRAINING PROGRAMMES

MEDIUM TERM COURSES

(Mechanical / Production / Automobile Engineering or Equivalent)

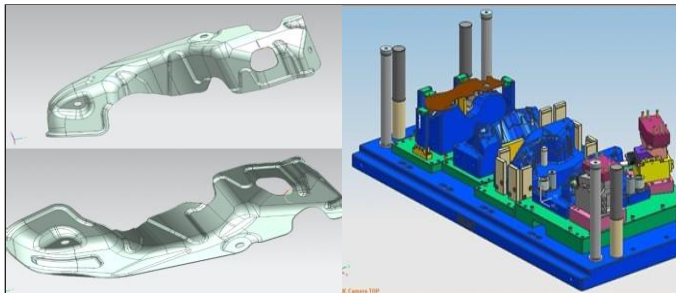
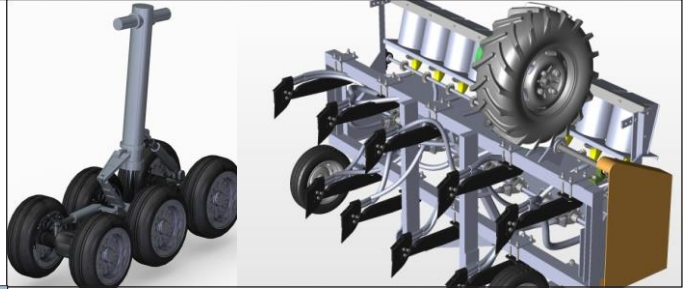


A. Master Certificate Course in Computer Aided Tool Engineering NSQF LEVEL- 6

- 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
- Duration : 24 Weeks (8 hrs / day)**

B. Master Certificate Course in CAD/CAM NSQF LEVEL- 6

- 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
- Duration : 24 Weeks (8 hrs / day)**



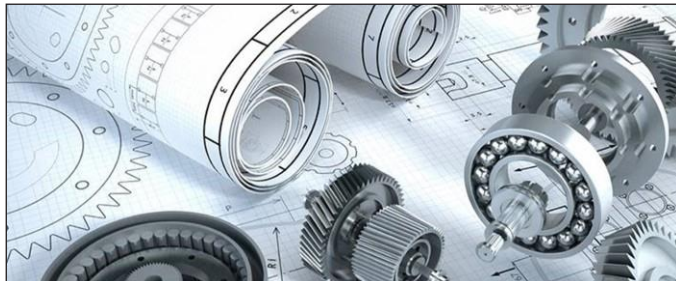
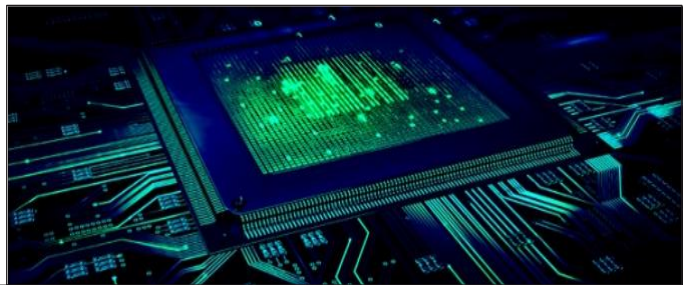
C. Master Certificate Course in Tool Design NSQF LEVEL- 6

- Computer Aided Design (Auto CAD & Solidworks)
 - Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM)
 - Design of jigs & Fixtures, Press Tools
 - Moulds & Die Casting Dies
 - Entrepreneurship, Course - Work : Project
- Duration : 24 weeks (8 hrs / day)**

PROPOSED TRAINING PROGRAMMES

A. Master Certificate Course in Mechatronics NSQF LEVEL- 6

- Industrial Pneumatics & Hydraulics
 - SCADA, PLC Programming
 - E-CAD, Sensors & Actuators
 - Mechatronics Technology & kits
 - Entrepreneurship, Course - Work : Project
- Duration : 24 weeks (8 hrs / day)**



B. Master Certificate in Product Design NSQF LEVEL-6

- Computer Aided Design (Auto CAD & Solidworks)
 - Computer Aided Manufacturing (DELTCAM)
 - Advance CAD (CREO Parametric)
 - Rapid Prototyping (Additive Manufacturing)
 - Fundamental of Tool & Dies
 - 3D Scanning & 3D Printing
 - Entrepreneurship, Course - Work : Project
- Duration : 24 weeks (8 hrs / day)**

C. Advance Diploma in Structural Design & Analysis NSQF LEVEL-6

- 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
- Duration : 24 weeks (8 hrs / day)**



PROPOSED TRAINING PROGRAMMES

Career Oriented Courses for SSC Passouts

1. Advance Diploma in Tool & Die Making (ADTDM)

- Objectives** : To Design & Manufacture intricate tools like Press Tools, Plastic Moulds, Jigs Fixtures & Gauges etc. with exposure to 60 modern Die Design & Manufacturing Technology Independently.
- Duration** : 04 years
- Eligibility** : 10th Std. with 60% marks in aggregate (50% for reserved category candidates)
- Age** : 15-19 years as on 1st August (3 years relaxation for SC / ST candidates)

2. Diploma in Mechatronics(DIM)

- Objectives** : To Provide knowledge of mechatronics system controls & skill to operate a wide variety of mechatronics equipment & controls.
- Duration** : 03 years
- Eligibility** : 10th Std. with 60% marks in aggregate (50% for reserved category candidates)
- Age** : 15-19 years as on 1st August (3 years relaxation for SC / ST candidates)

3. Certificate Course in Machinist (Tool Room) (CCMTR) NSQF LEVEL- 5

- Objectives** : To produce different parts of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges etc. on Conventional Tools independently with exposure to CNC Technology.
- Duration** : 02 years
- Eligibility** : 10th Std. with 60% marks in aggregate (50% for reserved category candidates)
- Age** : 15-19 years as on 1st August (3 years relaxation for SC / ST candidates)

PROPOSED TRAINING PROGRAMMES

Sr. No.	Name of The Course	NSQF Level	Duration	Eligibility
1	Post Graduate Diploma in Tool Design & CAD / CAM	NSQF Level - 8	18 Months	Degree in Mechanical / Production Automobile or Equivalent
2	Post Graduate Diploma in Mechanical Product Design	NSQF Level - 8	18 Months	
3	Post Graduate Diploma in Mechatronics	NSQF Level - 8	18 Months	Degree in Mech./Elec./E&TC/Instru.
4	Post Diploma in Tool Design & CAD / CAM	NSQF Level - 6	12 Months	Diploma in Mechanical / Production Automobile or Equivalent
5	Post Diploma in Tool & Die Manufacturing	NSQF Level - 6	12 Months	
6	Post Diploma In Computer Aided Engineering	NSQF Level - 6	12 Months	
7	Post Diploma in Product Design	NSQF Level - 6	12 Months	
8	Post Diploma in CNC Machine Maintenance	NSQF Level - 6	12 Months	Diploma in Mech. / Elec. / E&TC / Inst. or Equivalent
9	Post Diploma in Mechatronics	NSQF Level - 6	12 Months	
10	Post Diploma in Industrial Automation / Robotics	NSQF Level - 6	12 Months	
11	Advance Certificate Course in Tool Design & CAD / CAM	NSQF Level - 5	12 Months	I.T.I In Machinist / Turner / Bench Fitter / Tool & Die Maker or Equivalent
12	Advance Certificate Course in Tool & Die Manufacturing	NSQF Level - 5	12 Months	
13	Advance Certificate Course in CNC Machining	NSQF Level - 5	12 Months	
14	Advance Certificate Course in Machine Maintenance	NSQF Level - 5	12 Months	
15	Advance Certificate Course in Welding Technology	NSQF Level - 5	12 Months	
16	Certificate Course in CNC Turning & Milling	NSQF Level - 4	12 Months	10 th Pass
17	Certificate Course in Tool & Die Making	NSQF Level - 4	12 Months	

