



# IDEMI

प्रौद्योगिकी केंद्र, मुंबई  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES, GOVERNMENT OF INDIA  
**MSME - TECHNOLOGY CENTRE, MUMBAI**  
INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENT  
ISO: 9001 - 2015 | NABL ISO:IEC 17025:2017



MSME - TECHNOLOGY CENTRE, MUMBAI

## TRAINING PLANNER 2022 - 2023

**TRAINING FOR SKILL DEVELOPMENT, EMPLOYMENT & ENTREPRENEURSHIP**



IDEMI Android App.  
Google Play Store



IDEMI QR Code  
Training Planner

IDEMI is a Govt. of India Society and Basically Service-to-Industry Organization  
More than 5 Decades of Experience

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Download "IDEMI Training Prospectus" App from Google Play Store & E-Book from Website



# INTRODUCTION



MSME - TECHNOLOGY CENTRE, MUMBAI

IDEMI was established in September 1969 with joint efforts of UNIDO / UNDP, Vienna and Ministry of Industry, Govt. of India. It is a Govt. of India Society under the Ministry of Micro, Small & Medium Enterprises for Services-to-industry organization for Skill Development Training Program.

## IDEMI is providing services in the following areas:

- 1) Training for Skill Development & Capacity Building of Man Power in various subjects
- 2) Calibration of Electrical, Electronic, Pressure, Temperature, Flow, Mass, Volume & Dimension Measuring Instruments.
- 3) Electrical & Environmental Testing of Domestic Appliances & Electrical/Electronic products.
- 4) EMI / EMC Testing on Electronic gadgets & various testing for **CE Marking**
- 5) Field Services in Calibration & Testing
- 6) Design & Development of Prototype Instruments.
- 7) Tool Design & Documentation.
- 8) Manufacturing of Tools, Jigs & Fixtures, Critical Components, Precision jobs.
- 9) Batch Production services
- 10) Consultancy services for Laboratory accreditation as per ISO/IEC 17025
- 11) Consultancy services for QMS certification as per ISO 9001.

## Training for Skill Development & Capacity Building of Man Power

**IDEMI Training Division** has been devoted to Technical Manpower Development particularly for “**Industrial Sector**”. Skill Development Training is a continuous education & is required by every Practicing Professional and Student for improving his/her competency to meet the greater demands & challenges of Industry.

**IDEMI faculty** members are well qualified & having immense practical experiences, profound insights, broad perspectives and ready to part tips, tricks and techniques gained during their lifetime to the attending participants. We always ensure that every participant carry back home lot of clarity & confidence on the subject through Theory, Practical, Demonstrations, Role Play, Live Project etc. **This enhances the work performance of participant & thereby fulfilling our objective of Skill Development.**

**IDEMI's “Skill-Development Training Programmes”** has built-in potential to generate Employment or a possibility to start working independently as a **Self Entrepreneur**.

**IDEMI** is also conducting the **Capacity Building Training Programme** for Principals, Faculty members & Senior officers with main focus on Behavior Science through several Soft Skills like Inter Personnel Skills, HR Management , Communication & Presentation skills, Leadership , Decision making , Team Building , Stress & Conflict Management etc.

## IDEMI is also conducting following Sponsored Training Programmes:

1. “**Entrepreneurship cum Skill Development Programme**” (ESDP) sponsored by Ministry of Micro Small & Medium Enterprises, Govt. of India.
2. **Skill Development** Training Programmes for youth of **North East states** under Capacity Building & Technical Assistance Scheme sponsored by Ministry of Development of North Eastern Region (DoNER), Govt. of India.
3. **Skill Development** Training Programmes for youth of Madhya Pradesh Sponsored by Madhya Pradesh Council of Employment & Training (MAPCET), Govt. of Madhya Pradesh.
4. Skill Development Training Program for Women Candidates from BPL Category Sposored by Municipal Corporation of Greater Mumbai.
5. Skill Development Training Program for Tribal Areas of Maharashtra Sponsored by Tribal Division, Nashik
6. Skill Development Training Program for Women & SC Category Sponsored by Department of Electrical & Information Technology.

**SHORT-TERM TRAINING PROGRAMMES:**

IDEMI is having various laboratories for the Calibration & Testing of Electrical, Electronic, Pressure, Vacuum, Temperature, Mass, Volume, Flow & Dimension measuring instruments. All these Laboratories are accredited by National Accreditation Board for Testing & Calibration Laboratories (NABL) as per ISO / IEC 17025 : 2017

We are conducting various **Short-term Training Programmes** for Practicing Professionals of various types of Laboratories & Industries involved in Calibration of Instruments, Quality Control, Quality Assurance, Quality Management, Manufacturing Marketing & Maintenance etc

We are also conducting Short-term training programmes in Laboratory Accreditation & Internal Audit, Evaluation of Uncertainty in Measurement as per ISO/IEC 17025 : 2017 for Practicing Professionals from various organizations for senior laboratory personnel involved in the Management & Establishment of Laboratory Quality System & Internal Audit. We also conduct training in Quality Management System as per ISO 9001 : 2015 for various organizations.

IDEMI is having trained Lab Assessors & Experienced Faculty members for Laboratory Quality Management System & Internal Audit as per ISO/IEC 17025 & Lead Auditors for ISO 9001 : 2015

**Training Programmes on Calibration & Testing Practices (Electrical, Temperature, Pressure, Flow, Mass, Dimensional Metrology)**

Sr. No.	TITTLE	DURATION	INTAKE	FEE / PARTICIPANT	FOREIGN PARTICIPANT US DOLLAR
1	Workshop on Dimensional Metrology	2 Days	25	7000/-	210
2	Workshop on Calibration of Pressure, Temperature & Flow Measuring Instruments	3 Days	25	9000/-	270
3	Workshop on Calibration of Electrical & Electronics Measuring Instruments	2 Days	25	7000/-	210

**Quality Related Training Programmes for ISO / IEC 17025 : 2017**

1	General Requirements for the Competence of Testing & Calibration Laboratories & Internal Audit as per ISO / IEC 17025	4 Days	25	12000/-	360
2	Workshop on Estimation & Expression of Uncertainty in Measurement as per NABL -141	2 Days	25	7000/-	210

**SERVICE TAX: GST: Additional GST as applicable as per notification on above training fees**

**TAILOR-MADE TRAINING PROGRAMMES:**

IDEMI is also conducting special training programmes exclusively for one Company / Laboratory as per their requirements either at IDEMI or at company's location on all the above subjects.

**Email ID : ecl@idemi.org**

# TRAINING IN AUTOMATION & EMBEDDED

Sr. No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
1	Advanced Embedded Technology (NSQF Level - 6)	Preferably Diploma or Degree in Electrical/ Electronics/Computer /Biomedical /IT/Instrumentation. B.Sc. /M.Sc. in (I.T./Electronics/Physics)	780 Hrs 30,000/-	PIC Microcontroller, Embedded C/C++, Communication Protocol & Implementation, Robotics-Interfacing with Motors and Sensors, Arm- Advanced RISC Machine, Concept of RTOS, VLSI Design with FPGA / CPLD, PCB Designing, Python Programming on Raspberry PI, Project.
2	Post Graduate Diploma in VLSI & Embedded Systems (PGDVES) (NSQF Level - 8)	Bachelor of Engineering / Bachelor of Technology in Electronics and Communication / Electrical and Electronics/Instrumentation or its equivalent.	2340 Hrs 1,20,000/-	Digital VLSI Design, CMOS Analog Integrated Circuit Design, Physics of Semiconductor Devices, Advanced Digital Signal Processing, Advanced Logic Synthesis, Artificial Neural Networks, Microcontrollers for Embedded System Design, Embedded Real Time Operating Systems, Advanced Operating Systems, Embedded Computing Systems Computer Networks, Industry Internship.
3	Post Graduate Diploma in Electronics Product Design (NSQF Level - 8)	Preferably Degree in Electrical/ Electronics/ Instrumentation Engineering	2340 Hrs 1,20,000/-	Micro Electronics Technology, Advanced Communication Systems, Computer Integrated Manufacturing Systems, Advanced Digital System Design, Designing with Power Devices, Embedded Systems Design, Neural Networks & Fuzzy Logics, Advanced Digital Signal Processing, Electronic Instrumentation Technology, System on Chip (Soc) Design, Project.
4	Master Certificate Course in Automation and Process Control (NSQF Level - 7)	Preferably Degree in Electrical/ Instrumentation/Electronics or Equivalent Engineering pass.	780 Hrs 40,000/-	Electrical Hardware Logic Control, Electrical Machines, Sensor and transducer, Pneumatics & Hydraulics System, Programmable Logic Controller, Embedded System, Machine Maintenance, SCADA & HMI, Distributed Control System by PCS-7, Robotics, Auto CAD Electrical Communication Skill.
5	Advanced Diploma in Machine Maintenance & Automation (NSQF Level - 6)	Preferably Diploma in Electrical/Instrumentation or equivalent Engineering pass	780 Hrs 40,000/-	Machine Operation, Electrical Hardware Logic Control, Electrical Machines, Pneumatics & Hydraulics, Machine Maintenance, Programmable Logic Controller, SCADA & HMI, AUTOCAD Electrical, Basic Electronics.
6	Advanced Diploma in Automation and Control	Preferably Diploma or Degree in Electrical/ Electronics/Instrumentation /Mechanical/ B.Sc. /M.Sc. in (Electronics/Physics)	260 Hrs 30,000/-	Automation in Electrical, Automation in Electronics, Industrial Motors & Drives, Micro PLC & Relay Logic, Advanced PLC, HMI & SCADA, Automation in Pneumatics & Hydraulics, Energy Management & Conservation, Process Automation & Control.

# TRAINING IN MECHATRONICS



Sr. No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
7	Post Diploma in Industrial Automation & Robotics (NSQF Level - 6)	Preferably Diploma and Degree in (Mech. Eng / Prod. Eng / Electronics Eng / Electrical Eng / Instrumentation Eng or equivalent).	1560 Hrs 80,000/-	Programmable Logic controller, SCADA, HMI, Hydraulics & Pneumatics, Electrical Cad, Power Electronics, Drives, Electrical Circuits & Paneling, Process Instrumentation, Industrial Automation, Entrepreneurship, Robotics, Technology in Automation.
8	Master Certificate Course in Mechatronics (NSQF Level - 6)	Preferably Diploma in (Mech. Engineering / Prod. Eng / Electronics Eng / Electrical Eng / Instrumentation Eng or equivalent).	780 Hrs 40,000/-	Programmable Logic Controller, SCADA, Computer Aided Design, Sensors and Actuators, Industrial Hydraulics & Pneumatics, Mechatronics Technology & Kits.
9	Post Diploma in Mechatronics (NSQF Level - 6)	Preferably Diploma in (Mech. Engineering / Prod. Eng / Electronics Eng / Electrical Eng / Instrumentation Eng or equivalent).	1560 Hrs 80,000/-	Mechatronics Fundamentals, Sensors and Actuators, Programmable Logic Controller Hydraulics & Pneumatics, Engineering Metrology and Quality Control, Computer Aided Design Electrical Drives & Control, Entrepreneurship, Microprocessors & Applications, Mechatronics Lab, Supervisory Control and Data Acquisition
10	Post Graduate Diploma in Mechatronics (NSQF Level - 6)	Preferably B.E. (Mech. Eng / Prod. Eng / Electronics Eng / Electrical Eng / Instrumentation Eng or equivalent)	2340 Hrs 1,20,000/-	Fundamentals for Mechatronics, Advance Metrology & Quality Control, Electrical circuits & Paneling, Industrial Instrumentation & Sensors, Electrical CAD, Power Electronics & Drives, Hydraulics & Pneumatics, Mechatronics System Design, Industrial Automation, Advanced-CAD, Embedded System, Entrepreneurship, Technology in Mechatronics
11	Certificate Course in Electrical Equipment Repairing & Maintenance (NSQF Level - 6)	Preferably Diploma/Degree in Electrical or Equivalent	780 Hrs 40,000/-	Basic safety regarding use of Electricity, Fundamentals on Hand Tools, Basic Electrical and Electronics, Domestic and Industrial Wiring, Repairing of Home Appliances, Repairing of Washing Machine, Repairing of Air Conditioner and Refrigerator, Repairing of Water Purifier and Geyser, Repairing, Winding and Maintenance of Motor and Pump.

## AICTE Approved & MSBTE Equivalent 3 Years Diploma Course in Robotics & Mechatronics

### Eligibility: 10th Onwards

Robotics & Mechatronics is rapidly evolving field with growing application in all engineering branches. It is four disciplines engineering field with concurrent methodology. This course has been framed in such a way that it will fulfill all the requirements of industries for perfect Robotics & Mechatronics System Design Engineer.

\*For detailed information of AICTE approved courses please visit our website: [www.idemi.org](http://www.idemi.org)

**Duration: 3 Years (6 semesters)**

**Fees: 40,000/- (per year)**

**GST: Additional GST as applicable as per notification on above training fees. For NSQF / MES / Vocational and Central / State Government sponsored Skill Development Program Tax is Nil.**



# TRAINING PROGRAMMES ON TOOL DESIGN CAD

IDEMI Tool Room is a combination of conventional as well as Non Conventional state of art CNC Machines having 40 Years of Experience in Field of Tool Design. IDEMI Room Consist of IDEMI- Tool Design & CAD, CAM, CAE Lab with latest configuration PC & Tool Design Software. Faculty Conducting the CAD/CAM/CAE Courses are Well trained & Experienced

Sr No.	NAME OF COURSE	ELIGIBILITY	DURATION	FEES
<b>LONG TERM COURSES</b>				
1	Diploma In Tool & Die Making (AICTE Approved, MSBTE Equivalent)	10th Pass	3 Years (6 Sem)	40,000/- (per year)
2	Part Time Diploma In Tool & Die Making (AICTE Approved, MSBTE Equivalent)	10th Onwards	4 Years (8 Sem)	40,000/- (per year)
3	Post Graduate Diploma in Tool Design & CAD/CAM. (NSQF Level - 8)	B.E. (Mech, Prod, Auto)	18 Months	1,20,000/-
4	Post Graduate Diploma in Mechanical Product Design. (NSQF Level - 8)	B.E. (Mech, Prod, Auto)	18 Months	1,20,000/-
5	Post Diploma in Tool Design & CAD/CAM. (NSQF Level - 6)	Diploma (Mech, Prod, Auto)	12 Months	80,000/-
6	Post Diploma in CAD/CAM. (NSQF Level - 6)	Diploma/Degree (Mech, Prod, Auto)	12 Months	75,000/-
7	Advance Certificate Course in Tool Design & CAD CAM. (NSQF Level - 5)	ITI/Draftsman	12 Months	80,000/-
8	Advance Certificate Course in CNC Machining. (NSQF Level - 5)	ITI (Mech/Turner/ Bench Fitter).	12 Months	50,000/-
9	Certificate Course in CNC Milling/Turning. (NSQF Level - 4)	10th Pass	6 Months	40,000/-
10	Certificate Course in Machine Operation. (NSQF Level - 3)	8th Pass	12 Months	40,000/-
<b>SHORT TERM COURSES</b>				
11	Auto CAD	ITI / Diploma / Degree (Completed / Pursuing)	50 Hrs	4,000/-
12	CATIA		60 Hrs	10,000/-
13	CNC Programming		60 Hrs	10,000/-
14	CREO Parametric (Pro Engineer)		60 Hrs	10,000/-
15	Solid Works		60 Hrs	10,000/-
16	Unigraphics (NX)		60 Hrs	10,000/-
17	Master CAM		60 Hrs	10,000/-
18	Delcam		60 Hrs	10,000/-
19	Advance CREO Parametric		60 Hrs	10,000/-
20	Hypermesh & Hyperform		90 Hrs	20,000/-
<b>SHORT TRAINING PROGRAMS FOR PRACTICING PROFESSIONALS.</b>				
21	Design & Manufacturing of Press Tools	Practicing Professionals	2 Weeks	12,000/-
22	Design & Manufacturing of Jigs, Fixtures & Gauges		2 Weeks	10,000/-
23	Design & Manufacturing of Plastic Processing Tools		2 Weeks	12,500/-
24	Design & Manufacturing of Die Casting Dies		2 Weeks	12,500/-
<b>INTEGRATED COURSE IN CAD-CAM-CAE</b>				
25	Integrated Course in CAD #	ITI/Diploma/Degree (Completed/ Pursuing)	150 Hrs	20,000/-
26	Integrated Course in 3D Modelling #		150 Hrs	24,000/-
27	Integrated Course in CAM #		150 Hrs	26,000/-
28	Integrated Course in CAD/CAM #		150 Hrs	22,000/-
<b>INDUSTRIAL INTERNSHIP PROGRAMS</b>				
29	Internship Program (Industrial Training)	Diploma / Degree	30 Days	10,000/-

# NSQF Approval in Process



Tool Design Involves Providing Knowledge & Skills Related to Design & Manufacturing of intricate and Complex Tools, Die Casting Dies, Press tools, Plastic Moulds, Jigs Fixtures & Gauges, Metrology & Quality Control, Production Planning and Management with Industrial Programs.

## COURSE CONTENTS

Communication Skills, Entrepreneurship Development, Manufacturing Practices & Industrial Management, Applied Mathematics, Applied Physics, Engineering Drawing, Applied Mechanics, Strength of Materials, Electrical Engineering, Workshop Technology, Tool Room Machine Maintenance, CNC Programming, CAD (AutoCAD), CNC Machining (Lathe, Milling, WEDM & EDM), Engineering Metrology, Hydraulics & Pneumatics, Computer Applications, Industrial Engineering, Tool Design – Jigs, Fixtures, Gauges, Press
CNC Programming & Machining, AutoCAD, MasterCAM, Design of Jigs & Fixtures & Gauges, Design of Press Tool, Design of Tool Design of Die Casting Dies, Advance Metrology, Advance CAD - I, Manufacturing Process Planning & Heat Treatment, Advance CAD II, CAE, Rapid Prototyping & Reverse Engineering, Entrepreneurship Research Methodology, Project. Moulds,
Product Design & Development, Quality concepts in design, Material in Product design & development, Rapid Prototyping, Die Design & Development, AutoCAD, Advance CAD - I, MasterCAM, CAE, Product life cycle Management. Design Management, Applied Ergonomics, Micro Electromechanical System, Reverse Engineering, Project.
CNC Programming & CNC Machining, AutoCAD, Advance CAD - I, MasterCAM, Design of Jigs & Fixtures, Design of Press Tools, Design of Moulds, Design of Die Casting Dies, Engineering Metrology and Quality Control, Advance CAD II, Manufacturing Process-process planning and Heat Treatment, Entrepreneurship, Project.
Engineering Drawing, Computer Fundamental & AutoCAD, MasterCAM, CNC Part Programming, Advance CAD - I, Advance CAD II, FEA (Finite Element Analysis), Reverse Engineering, Safety and Maintenance, Basic Engineering Concept, Entrepreneurship & Managerial Skills.
CNC Programming, AutoCAD, MasterCAM, Design of Jigs & Fixtures, Design of Press Tools, Design of Moulds, Design of Die Casting Dies, Engineering Metrology, Quality Control, Advance CAD - I, Manufacturing Process Planning & Heat Treatment Entrepreneurship, Advance CAD II, Project Work.
CNC Programming and CNC Machining, Engineering Metrology and Quality Control, Engineering Metrology and Quality Assurance Practical, Production Planning & Controls, MasterCAM, Advance CAM, Total Quality Management, Fundamentals of Metal Cutting Tools, Entrepreneurship, Project.
Engineering Drawing, Engineering Metrology, Workshop Technology, Workshop Calculation, Quality Management System, CNC Milling /CNC Turning & CNC Machining, Employability Skill.
Production Technology, Machine Shop Theory, Engineering Metrology, Engineering Drawing, Workshop calculation, Employability Skill
Creating Object, Editing Objects, Layers, Colours & Line Types, Dimensioning & Tolerancing, Blocks, Isometric Sketches, 2D Assembly & Drafting, Layout, Plotting & Printing, 3D Basics & 3D Modeling/Drafting.
Introduction to CATIA, Sketcher Workbench, Part Design Workbench, Wire Frame & Surface Design, Assembly, Design Workbench, Generative & Interactive Drafting.
Introduction of CNC Technology, Geometrical Basics of CNC Machine, Turning, Milling Technology Basics of CNC Machine, Programming introduction to NC, CNC Program Generation & Transfer.
Introduction, Fundamentals of CREO Parametric, Sketcher, Part Modeling, Surface modeling, Assembly Modeling, Drafting.
Introduction, Fundamentals of Solidworks, Sketcher, Part Design, Surface Modeling, Drafting Module, Assembly Module.
Introduction, Interface & Coordinate System, Curves, Sketcher, Featured Based Modeling, Assembly & Details, Drafting.
2D Drafting, Wire Frame Modeling, Surface Modeling, Tool Path Generation
2D Drafting, Wire Frame Modeling, Surface Modeling, Tool Path Generation Transfer To Machine/Post Processing.
Details of Commands, Sheet metal, Core & Cavity extraction, Mechanism, Advance Animation & Rendering.
Introduction to FEA, Hypermesh, Geometry Creation, One Step Analysis Incremental, Hyperform Module.
Drafting & Design techniques in Press Tool Design, Strip Layout, Die Cutting Operation, Design of Progressive Dies, Transfer Dies.
Design Practice of Various Types of Jigs, Fixtures, Claming Unit, use of Gauges and Application.
Design Practice of Dies of Plastic Processing Tools, Various Moulding Processes, General Mould Construction.
Principle and Concepts of Die Casting Dies, Die Design, Die Casting Alloys & Die lubricants.
AutoCAD & Any two CAD software
Any Three CAD software
CNC Programing & Machining, MasterCAM, DelCAM
AutoCAD, Any One CAD Software & Any One CAM software.
Training in Tool Room & Tool Design Department



# ANIMATION, GRAPHICS, WEB, VISUAL EFFECTS GAMING COURSES



No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
<b>01</b>	Post Graduate Diploma in Advanced Animation & Film Making (NSQF Level 8)	Preferably Graduate in IT or Multimedia or Equivalent	18 Months 1,20,000/-	Pre Production, Drawing & Sketching, Graphic Designing, 2D Animation, 3D Animation, 3D Modeling, Texturing, Lighting, Dynamics, Rigging, Video Editing, Video Compositing & VFX, Motion Graphics <i>Software:</i> Adobe Photoshop, Corel Draw, Illustrator, InDesign, Flash, Maya, After Effects, Premiere Pro.
<b>02</b>	Post Diploma in Advanced Animation & Film Making (NSQF Level 6)	Preferably Diploma in IT or Multimedia or Equivalent or 10+2	12 Months 80,000/-	Pre Production, Drawing & Sketching, 2D Animation, 3D Animation, 3D Modeling, Texturing, Lighting, Dynamics, Rigging, Video Editing, Video Compositing & VFX <i>Software:</i> Adobe Photoshop, Maya, After Effects, Premiere Pro.
<b>03</b>	3D Animation (Maya) (NSQF Level 5)	10 <sup>th</sup> Onwards	6 Months 60,000/-	3D Animation, 3D Modeling, Texturing, Lighting, Dynamics, Video Editing. <i>Software:</i> Adobe Photoshop, Flash, Maya, Premier Pro.
<b>04</b>	3D Animation & Special Effects (NSQF Level 6)	12 <sup>th</sup> Onwards	6 Months 60,000/-	3D Animation, 3D Modeling, Texturing, Lighting, Dynamics, Video Editing. Video Compositing <i>Software:</i> Adobe Photoshop, Maya, Premiere Pro, After Effects
<b>05</b>	Graphics & Web Designing (NSQF Level 5)	10 <sup>th</sup> Onwards	3 Months 30,000/-	Photo Editing, Graphic Designing, Raster Graphics, Vector Graphics, Web Designing, Web Developing. <i>Software:</i> Adobe Photoshop, Flash, Illustrator, InDesign, Corel Draw, HTML, CSS
<b>06</b>	Animation & Multimedia Technology (NSQF Level 5)	10 <sup>th</sup> Onwards	6 Months 60,000/-	Graphic Designing, 2D Animation, Motion Graphics, Video Editing, Video Compositing <i>Software:</i> Adobe Photoshop, Flash, Illustrator, InDesign, Premiere Pro, After Effects, Corel Draw
<b>07</b>	Film Making, Compositing & Editing (NSQF Level 5)	12 <sup>th</sup> Onwards	3 Months 25,000/-	Video Editing, Video Compositing, VFX, & Motion Graphics <i>Software:</i> Adobe Photoshop, Premiere Pro, After Effects, Final Cut Pro
<b>08</b>	Advance Web Designer & Animator	12 <sup>th</sup> Onwards	6 Months 60,000/-	Graphics, Web, Animation, Motion Graphics <i>Software:</i> Adobe Photoshop, Animate, Illustrator, InDesign, Premiere Pro, After Effects, Corel Draw, Visual Studio, Expression Blend, HTML, CSS, JavaScript,

# ANIMATION, GRAPHICS, WEB, VISUAL EFFECTS GAMING COURSES



No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
<b>09</b>	Diploma in 3D Animation & Graphics # (AICTE Approved & MSBTE Equivalent)	10 <sup>th</sup> Onwards	3 Years 1,20,000/-	Drawing & Sketching, Story boarding, Script writing, Graphic Designing, Web Designing, 2D Animation, 3D Animation, Video Editing, Video Compositing, Visual Effects. <i>Software:</i> Photoshop, Corel Draw, Illustrator, InDesign, HTML, CSS, Java Script, Flash, Maya, Premiere Pro, After Effects.
<b>10</b>	3D Animation & Graphics #	10 <sup>th</sup> Onwards	8 Months 45,000/-	Graphic Designing, Raster Graphics, Vector Graphics, 3D Animation, 3D Modeling, Texturing, Lighting, Dynamics, Video Editing, <i>Software:</i> Adobe Photoshop, Corel Draw, Illustrator, InDesign, Maya, Premiere Pro.
<b>11</b>	2D Animation #	10 <sup>th</sup> Onwards	2 Months 10,000/-	Drawing and Sketching, Story Boarding, 2D Animation. <i>Software:</i> Adobe Photoshop, Adobe Flash, Toon Boom Studio, Toon Boom Storyboard
<b>12</b>	Maya & Web Designing #	10 <sup>th</sup> Onwards	6 Months 45,000/-	3D Animation, 3D Modeling, Texturing, Lighting, Dynamics & Video Editiing. Web Designing <i>Software:</i> Autodesk Maya, Adobe Photoshop, Premiere Pro, Flash, HTML, CSS, Javascript
<b>13</b>	Classical Animation #	10 <sup>th</sup> Onwards	9 Months 60,000/-	Pre-Production, Drawing & Sketching, Story Boarding, 2D Animation <i>Software:</i> Adobe Photoshop, Adobe Flash, Toonboom Studio, Toonboom Storyboard and (Drawing & Sketching)
<b>14</b>	Web Designing & Development #	10 <sup>th</sup> Onwards	2 Months 15,000/-	Web Designing, Web Development, Web Hosting <i>Software:</i> Adobe Photoshop, CSS, HTML, Javascript, Flash
<b>15</b>	Graphic Designing #	10 <sup>th</sup> Onwards	2 Months 15,000/-	Computer Graphics, Raster Graphics, Vector Graphics <i>Software:</i> Adobe Photoshop, Illustrator, InDesign, Corel Draw

# NSQF Approval in Process

**GST: Additional GST as applicable as per notification on above training fees**

Note: The duration of all above training programs are variable. 70% time is given to practical & 30% time is given to theory. Every participant will get the Certificate at the end of the course

Fees indicated depends on module and topics. IDEMI Reserves its right to change the cost and topic.

# TRAINING IN MOBILE, LED, LCD, T.V. & RACHA REPAIRING

Sr. No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
1	RACHA (Room Air Conditioner & Home Appliances)	12th/ ITI/Diploma or any above qualification	4 Months 25,000/-	AC Installation and Demo, AC Troubleshoot Parts and Circuit Diagram, Error Codes, AC Gas Charging Repair, HA, Refrigerator Installation and Demo, Refrigerator Parts and Circuit Diagram, Troubleshoot / Error Codes, Refrigerator Gas Charging Repair, Washing Machine Installation and Demo, Troubleshoot, Parts and Circuit Diagram, Error Codes, Microwave Oven Installation and Demo, Troubleshoot Parts and Circuit, Error Codes
2	HHP (Hand Held Phone)	12th/ ITI/Diploma or any above qualification	3 Months 16,000/-	HHP Basics, Near Field Communication, ESD, Basics Causes & Prevention, Mobile Phone Technology, Mobile Phone Technology, GSM System Architecture, Type of Mobile phone & Features, Smart Phone, Smartphone Features, Type of Sensor & Connectivity, Data Backup & Software Upgrade Options, Advanced Repair & Industrial Skills Enhancement, Software Upgrade Process, Troubleshooting, Troubleshoot Parts and Circuit, Soldering Process, ELS & Basic Troubleshooting, Samsung Mobile Nomenclature, Repair Guide, Final Test Process
3	LED, LCD, PLASMA TV, Home Theater (Audio Video-AV)	12th/ ITI/Diploma or any above qualification	3 Months 16,000/-	Types of TV Technologies CRT, PDP, LCD, LED DVD Player, Home Theatre, Blu-Ray Player, Air Track Colour Transmission System, Picture Scanning, Convergence Adjustment, Assembling and Dis Assembling and Trouble shooting of CRT TV Principles, Structure, Input/output ports, Internal Blocks of LCD TV Assembling/Disassembling, Wall Mounting, Trouble shooting, of LCD TV Principles, Structure, Input/output ports, Internal Blocks of PDP TV Assembling/Disassembling, Wall Mounting, Trouble shooting, of PDP TV Principles, Progressive Scan, Speaker Setup, Audio Amplifier, Deck Alignment and Trouble shooting of Home Theatre System

## SAP BUSINESS ONE

Sr. No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
1	SAP B1 (Full Module)	12 <sup>th</sup> Pass	30 days 25,250/-	Introduction of SAP Business One, Procurement Process, Sales & Automation, Items & Inventory, Pricing, Production, Basics of Accounting, Financial Setup, Banking Process, Controlling Reports, Fixed Assets, Implementation Tools, System Setup and Administration, Customization Tools
2	SAP B1 (Logistics)	12 <sup>th</sup> Pass	15 days 10,250/-	Introduction of SAP Business One, Procurement Process, Sales & Automation, Items & Inventory, Pricing, Production.
3	SAP B1 (Finance)	12 <sup>th</sup> Pass	15 days 10,250/-	Basics of Accounting, Financial Setup, Banking Process, Controlling Reports, Fixed Assets.
4	SAP B1 (Implementation)	12 <sup>th</sup> Pass	5 days 10,250/-	Implementation Tools, System Setup and Administration, Customization Tools

# ONLINE TRAINING PROGRAMS

Sr. No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)
1	Online Training Program on General Requirements for Competence of Testing & Calibration Laboratories & internal audit as per ISO/IEC17025:2017	Professions From Testing and Calibration Laboratories	3 days 6,000/-
2	Online Training Program on Workshop on Estimation & Expression of Uncertainty in Measurement as per NABL-141	Professions From Testing and Calibration Laboratories	2 days 6,000/-
3	Online Training Program in Microcontroller Programming	Preferably Diploma or Degree in Electrical / Electronics Computers IT / BCS or its equivalent	7 days 4,130/-
4	Online Training Program on Solar PV Design	12 <sup>th</sup> Pass	4 days 2,360/-
5	Online Training Program on Raspberry Pi	Preferably Diploma or Degree	3 days 1,770/-
6	Online Training Program in Internet of Things	Preferably Diploma or Degree	3 days 1,770/-
7	Government Certificate Course on MS Office	10 <sup>th</sup> Pass	6 days 1,000/-
8	Government Certificate Course on Tally ERP 9	10 <sup>th</sup> Pass	12 days 9,475 /-
9	Government Certificate Course on Java	10 <sup>th</sup> Pass	7 days 1,000/-
10	Government Certificate Course on C++ Language	10 <sup>th</sup> Pass	7 days 1,000 /-
11	Government Certificate Course on Electrical Vehicle Charging Station	10 <sup>th</sup> Pass	4 days 4,720/-
12	Design Of Press Tool	Any Industry Experience Person	1 week 2,999 /-
13	Design Of Die Casting Dies	Any Industry Experience Person	1 week 2,999 /-
14	Design Of Jigs & Fixture & Gauges	Any Industry Experience Person	1 week 2,999 /-
15	Design Of Plastic Moulds	Any Industry Experience Person	1 week 2,999 /-
16	Basics Of Manufacturing Technology	Any Industry Experience Person	1 week 2,999 /-



# CERTIFICATE COURSES IN INFORMATION TECHNOLOGY RELATED TRAINING PROGRAMMES

Sr. No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
1	Diploma in Information Security management <sup>#</sup>	Diploma, Graduation (Completed /Final Year Appeared)	4 Months 40,000/-	Various concepts & tools in Information Management, CCNA, Vulnerability Assessment, Penetration Testing, Ethical Hacking, Securing Web Application, Services & Servers, Implementing PKI & Digital Certificate, Red Hat Linux, Disaster Recovery Planning.
2	Diploma in Software Programming <sup>#</sup>	Diploma, Graduation (Completed /Final Year Appeared)	3 Months 25,000/-	C, C ++. , HTML and CSS, Core Java, Advanced Java, C#, ADO.Net and ASP.NET.
3	Diploma in Android Programming (NSQF Level 6)	Diploma, Graduation (Completed /Final Year Appeared)	3 Months 15,000/-	Core Java Concept, Introduction, Android Application Fundamentals, User Interface, Components, Resources, Data Storage, Android Media, 9 Android Game Developments.
4	Diploma in Big Data & Analytics with Hadoop (NSQF Level 6)	Diploma, Graduation (Completed /Final Year Appeared)	3 Months 18,000/-	Big Data Overview, Big Data Solutions, Introduction To Hadoop, Environment Setup, HDFS Overview, HDFS Operations, Command Reference, Map reduce, Multi-Node Cluster
5	Diploma in Digital Marketing <sup>#</sup>	Diploma, Graduation (Completed /Final Year Appeared)	3 Months 25,000/-	SEO (On Page optimization), SEO (Off Page optimization), Google Ad words, Getting to Know ad words, Getting started, Researching keywords, Tracking AD Performance, Optimizing for performance, Creating first search campaign, Creating your first AD group, Understanding Quality Score, Using Display Ad in Remarketing Campaign, Leveraging video advertising, Mobile Marketing, Online Marketing, Social Media Optimization (SMO) & Social Media, Marketing (SMM), Social Media Optimization, Facebook, LinkedIn, Google+, Twitter, YouTube, Web Analytics.
6	Certificate in C, C++, HTML, Core Java <sup>#</sup>	10+2	1 Month 10,000/-	<ul style="list-style-type: none"> <li>• Introduction To C Programming, Variables, Keyword and Data-types, Operators in C, Loops in C, Function , Array, Structure, Pointer, File Handling</li> <li>• OOP Fundamentals, Classes, Constructor, Inheritance, Function Overloading, File Handling, Pointers</li> <li>• Basic HTML Tags, HTML 5 tags, Form Elements, CSS, 2D/3D Transform, Animation, User Interface.</li> <li>• OOP Fundamentals, Basic Data Types ,Variables Operators and Arrays, Classes And Object, Constructors Inheritance, Polymorphism, Interfaces, Packages, Abstract classes, Multithreading, Exception Handling, Applets</li> </ul>

# CERTIFICATE COURSES IN INFORMATION TECHNOLOGY RELATED TRAINING PROGRAMMES



Sr. No.	NAME OF COURSE	ELIGIBILITY	DURATION FEE (IN RS.)	COURSE CONTENTS
7	Certificate in Core Java & Advanced Java (NSQF Level 7)	10+2 Should have knowledge of C, C++	1 Month 10,000/-	OOP Fundamentals, Basic Data Types ,Variables Operators and Arrays, Classes And Object, Constructors Inheritance, Polymorphism, Interfaces, Packages, Abstract classes, Multithreading, Exception Handling, Applets, Swing Components, JDBC, Servlets, JSP, RMI
8	Certificate In C#, ASP.NET (NSQF Level 7)	10+2 Should have knowledge of C, C++, Core & Advanced	1 Month 10,000/-	Introduction to C# ,Data types, Control Structure Array, Object Oriented Programming, Methods, Interface ,Delegates and Events, Exception Handling, Multithreading , Generics, Indexers ,C# Preprocessor Directives, LINQ ,Crystal reports, Windows Application, Introduction ASP.NET Pages, Html Controls, Server Controls , Rich Controls ,Validation Controls Designing ASP.NET Websites with Master Pages Designing ASP.NET Websites with Themes Performing Data Access, Ado.Net And Data Binding Site Navigation, State Management, Security, Debugging And Error Handling, The MVC Programming Model
9	Certificate In CCNA (Cisco Certified Network Administrator) (NSQF Level 7)	10+2	1 Month 6,000/-	Introduction to Networking, OSI Model, Classless Addressing, Introduction to Routers, DHCP, Routing Protocol Basics, Perimeter, Firewall and Internal Routes, Introduction to wireless technology, Introduction to WANs, Introduction to Switches & Switches Models.
10	Computer Software #	10 <sup>th</sup> Pass	2 Months 4000/-	DOS(Internal & External Commands), MS Office(Word, Excel, PowerPoint), Tally 9.0
11	Computer Hardware Maintenance, Installation, Networking & multimedia (NSQF Level 6)	10 <sup>th</sup> Pass	2 Months 4000/-	Introduction of Computers. Introduction of various cards & Peripherals, Introduction of various Motherboards. Steps of cabinet assemble the computers, Introduction of power supply (SMPS), DOS. Command (Disk operating Systems), Hard disk partition & formatting. Windows 98 operating systems installation, Drivers Installation. Software Installation. Windows XP installation (Dual Booting & upgrade. Multimedia (Web cam, Scanner, Printer, writer & TV Tuner Card), Introduction Networking (LAN, WAN, MAN), Network Topologies. Client server networking & Peer to Peer Networking. Complete Network Configuring. INTERNET(Modem Installation, Cyber café setup, browsing the Internet),CMOS Setup. Hardware & Software Troubleshooting.
12	Desktop Publishing (DTP) #	10 <sup>th</sup> Pass	2 Months 5,000/-	PageMaker: Making Latter Head, Visiting Card, Book Design etc. Corel Draw: Making Logos, Symbol & graphics. Photoshop: Photo Editing, Color Correction, Graphic Designing etc.

**GST: Additional GST as applicable as per notification on above training fees**

**Fees indicated depend on module and topics. IDEMI Reserves its right to change the cost and topic.**

# CALIBRATION

CALIBRATION OF ELECTRICAL  
ELECTRONIC, PRESSURE  
TEMPERATURE, FLOW, MASS  
VOLUME & DIMENSION

## Pioneers in Calibration & Testing



# TRAINING

TOOL DESIGN & TOOL ROOM PRACTICE  
ELECTRICAL / ELECTRONICS  
INDUSTRIAL AUTOMATION / EMBEDDED SYSTEM  
ROBOTICS & MECHATRONICS  
ANIMATION, GRAPHICS, WEB & VFX  
INFORMATION TECHNOLOGY

## Training for Skill Development



# TOOL DESIGN & TOOL ROOM

CAD/CAM/CAE/CNC  
DESIGN & MFG. OF PRESS TOOLS, Moulds  
DIE CASTING DIES, JIGS & FIXTURES CMM (QC)  
ELECTRO MECHANICAL ASSEMBLY &  
CONSULTANCY

## Gear up for the Revolution



# TESTING

EMI / EMC TESTING  
ELECTRICAL / ELECTRONICS TYPE TESTING  
SAFETY TESTING  
ENVIRONMENTAL TESTING

## Pioneers in Calibration & Testing



## REGISTRATION :

Enrollment of participants for professional training programmes can be done by just writing on company's letterhead requesting to register nomination by e-mail at [training@idemi.org](mailto:training@idemi.org). For regular courses registration form available at training section.

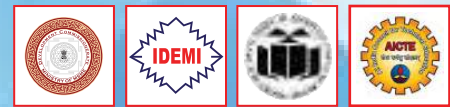
Fees payable by the organizations outside Mumbai can be paid by Demand Draft (drawn in favour of "IDEMI" payable at Mumbai), Online Payment Mode.

If participant is registered and yet cannot attend the programme, notification for cancellation must be received by us at least one week before the commencement of the programme.

**Special Discount:** Special Discount is available for Women/SC/ST/PH/NT & OBC Category under various sponsored training programmes of Government. (It may change as per the Government Notification from time to time basis.)

**Placement Assistance:** All our certificate courses are job oriented courses & they are designed to meet today's industry requirements. We are providing placement assistance to all our students. Contact: Placement Cell at: [idemi.placementcell@yahoo.in](mailto:idemi.placementcell@yahoo.in)

- NOTE :**
- Nominees / participants should not start their journey for joining any course without receiving confirmation from the Institute.
  - If confirmation is not received, it may be confirmed over telephone or by FAX / e-mail to avoid embarrassment due to cancellation of the course by chance.
  - Registration fee/Training Fee once paid will not refunded.
  - IDEMI reserves its rights to cancel registration/admission without assigning any reason.
  - SERVICE TAX: Additional Service Tax as applicable from time to time as per Central Government.



## IDEMI IS HAVING FOLLOWING NABL ACCREDITED CALIBRATION & TESTING LABORATORIES

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| PRESSURE CALIBRATION LAB.<br>TEMPERATURE CALIBRATION LAB. | MASS CALIBRATION LAB.<br>VOLUME CALIBRATION LAB. | FLOW CALIBRATION LAB.<br>DIMENSIONAL METROLOGY LAB.<br>PUMP & MOTOR TESTING LAB. | ELECTRICAL CALIBRATION LAB.<br>ELECTRICAL TESTING LAB.<br>EMI / EMC TESTING LAB. |
|---|--|--|--|



# PIONEERS IN CALIBRATION & TESTING

**For Registration Contact:** DEPUTY DIRECTOR (TRAINING)

■ IDEMI, Eastern Express Highway, Opp. Everard Nagar Bus Stop, Chunabhatti, Sion, Mumabi-400022, Tel. (022)2405 0301/2/3/4 Fax: (022) - 2405 0016 | E-mail: [training@idemi.org](mailto:training@idemi.org) Website: [www.idemi.org](http://www.idemi.org)

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