

MITSkills

Building Skills, Building Careers



Building Skills, Building Careers





About MIT Skills

The Maharashtra Academy of Engineering & Educational Research (MAEER) was established in 1983 as a society and charitable trust with the sole aim of creating and developing professional education facilities to train the aspiring young generation and thus to provide dedicated, ambitious and skilled professionals to serve the society and the nation at large. With over 50,000 students across various disciplines under its umbrella, it has achieved success in a short span of time and provides Undergraduate, Post Graduate and Doctoral education in the disciplines of Engineering, Health Sciences, Management, Art and Design, Social Science, Humanities and School Education.

Known for its penchant of venturing into new areas of education envisaging the ever-changing industry, it was a natural extension for the group to start one of its kind centre for Piping Design and Engineering as early as in 1994. On similar lines, the CAD CAM CAE

centre was launched in 1999 followed by Industrial Automations & Controls, Business Analytics, Energy & Sustainability, EPC Project Management, Telecom Technology and the rest over the course of time. Skill development has been one of the strongest arms of the MIT Group of Institutions and the vision of MIT Skills is to help suffice the increasing need of skilled workforce in industries across all the sectors.

MIT Skills anticipates to offer the solution to the crisis of the availability of educated but unemployable workforce. MIT Skills will be engaged into imparting high-end technical training at a Postgraduate level (Post Engineering and Post Diploma). These training programs will be in close acquaintance with industries and will work to fulfill their requirement of skilled workforce.



CENTRE FOR PIPING & PROCESS ENGINEERING

The oldest centre of all, established in 1994, it has carved a niche for itself in skill development program for piping engineering. The program is equipped with rich and informative course contents. Excellent library, project reports, software like PDMS for 3D modeling, CAESAR-II, AutoCAD, Aspen One and high-tech infrastructure makes it an ideal destination for training. This centre has become pioneer in education and training in all aspects of piping design.

Scope for Piping Engineer:

- EPC & Project Consulting Companies
- Long Distance LNG/ LPG/ CNG Piping Systems
- Petroleum & Petrochemical Industry
- Pharmaceutical Industry
- Project & Construction Companies
- Power Plants
- Irrigation Projects
- Refineries

Advanced Post Graduate Program in Piping Design and Engineering with PDMS & CAESAR-II

Content:

- Fluid Handling (I & II)
- Pipe stress Analysis & Pipe Support
- Layout Engineering (I & II)
- Fabrication Installation & Testing
- System Engineering (I & II)
- Field Instrumentation & Process Control
- Corrosion & Material of Construction
- Statutory Regulations & Safety Aspects
- Thermal Insulation
- Costing for Piping
- Hygienic Piping
- Project / Seminar Activity

Software: PDMS, Auto-CAD, CAESAR-II

Salient features:

- Course designed & planned in collaboration with industries to help suffice their manpower requirements
- Hands-on training on latest software like PDMS, Auto-CAD and CAESAR-II
- Exposure to industry based case studies
- 800+ contact hours, which are distributed for theory, practical, software training and industrial visit
- Performance is reviewed during and after the training program, by written examinations, project, term work and seminar presentation

- Soft Skills Development

Duration: 6 Months (Full Time)

Eligibility: B.E. / B. Tech. or Diploma in Mechanical, Chemical, Production, Petrochemical, Marine, Sugar Engineering

Post Graduate Program in Piping Design and Engineering with PDMS & CAESAR-II

Content:

- Fluid Handling (I & II)
- Pipe Stress Analysis & Pipe Support
- Layout Engineering (I & II)
- Fabrication Installation & Testing
- System Engineering (I & II)
- Field Instrumentation & Process Control
- Corrosion & Material of Construction
- Statutory Regulations & Safety Aspects
- Thermal Insulation
- Costing for Piping
- Hygienic Piping
- Project / Seminar Activity

Software: PDMS, Auto-CAD, CAESAR-II

Salient features:

- Course designed & planned in collaboration with industries to help suffice their manpower requirements
- Hands-on training on latest software like PDMS, Auto-CAD, and CAESAR-II
- Exposure to industry based case studies
- 270+ contact hours, which are distributed for theory, practical, software training and industrial visit
- Performance is reviewed during and after the training program, by written examinations, project, term work & seminar presentation
- Soft skills development

Duration: 6 Months (Part Time) Saturday – Sunday

Eligibility: B.E. / B. Tech. or Diploma in Mechanical, Chemical, Production, Petrochemical, Production, Marine, Sugar Engineering

Certificate Course in Piping Design & Engineering with PDMS

Content:

- Layout Engineering
- Basic Piping Knowledge
- Layout Practical
- Basics of Stress Analysis

Software: PDMS

Salient features:

- Industry oriented program in Layout Engineering
- Hands-on training on PDMS

Duration: 2 Months (Full Time)

Eligibility: B.E. / B. Tech. or Diploma in Mechanical, Chemical, Production, Petrochemical, Marine Engineering

Certificate Course in Stress Analysis with CAESAR-II

Content:

- Basic Piping Knowledge
- Pipe Stress Analysis

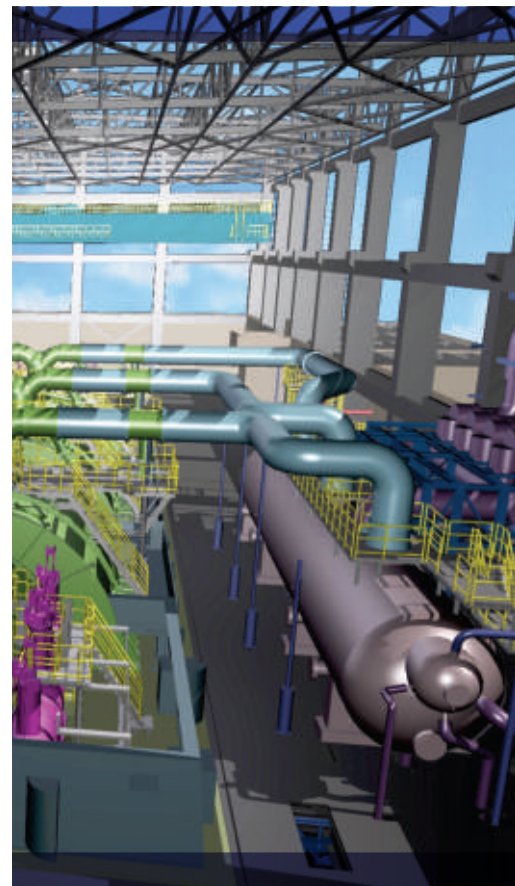
Software: CAESAR-II

Salient features:

- Industry oriented program in Piping Engineering
- Hands-on training on latest software like CAESAR-II

Duration: 1 Month (Full Time) / 1.5 Months (Part Time)

Eligibility: B.E. / B.Tech. or Diploma in Mechanical, Chemical, Production, Petrochemical, Marine Engineering



Post Graduate Program in Welding & NDT in Collaboration with Ador Welding Academy

Content:

- Welding Metallurgy
- ASME/ASTM Materials Specification
- Classification of Material Joining Techniques
- Detailed Information about Types of Industrial Welding Processes
- Weld Consumables of All Processes
- Weld Defects and Distortion
- Joint Design & Weld Symbols
- ASME / EN Requirements Related to Welding
- Weld Procedure and Welder Qualification as per International Standards
- IBR Requirement for Welding
- Weld Practicals
- Safety in Welding
- NDT Qualifications + Practicals (RT Level-II, PT Level-II, MT Level-II, UT Level-II, VT Level-II)

Salient features:

- Course is designed in close acquaintance with industry professionals
- Hands-on training on welding & NDT
- Industrial visit
- Course is helpful for participant to work as welding engineer or manager in any manufacturing industry on construction site
- Welding practical at Ador Welding Academy

Course Duration: 6 months

Eligibility: B.E. / B. Tech. or Diploma (Mechanical)

Post Graduate Program in Industrial Safety

Content:

- Principles of Safety
- The Fire Community
- Fire Protection and Suppression Systems
- Construction Safety
- Safety in Process Plants
- Safety Protections
- Environmental Safety
- Personal Safety: Workplace Safety, Home Safety and Industrial Safety
- 14 Elements of Process Safety Management; Discussion on each element
- Safety Policies and Terminologies
- Safety Systems and Equipments
- OSHA Standards
- Occupational Health & Environment, First Aid
- Identifying Hazards & Hazard Mitigation Technique
- Risk & Risk Management

Salient features:

- Course is designed with inputs of professionals from safety Industry
- Course covers process safety as well as workplace safety.
- Industrial visit
- This course facilitates the participant to appoint as qualified safety officers to fulfill legal requirements in factories, construction sites, etc.

Course Duration: 6 months (Full Time / Part Time)

Eligibility: Any Engineering Graduate (Fresh or Experienced)



PROCESS ENGINEERING

A process engineer could create new processes to meet the specific needs of a given product or supervise plant construction, start-up day-to-day operations or modify existing systems to make them safer, more efficient or more environment friendly.

Scope for Process Engineer:

- Research Organizations
- Process Licensors
- Water Treatment Companies
- Food & Beverage Companies
- Chemical Process Industries
- Refineries

Post Graduate Program in Process Engineering

Content:

- Fluid Handling & Utility Handling
- Statutory Regulation & Safety Aspects
- Basic Engineering Package (BEP)
- Process Optimization and Economics
- Process Automation and Control
- Industrial Processes for Separation
- Plant Commissioning
- Reactor Design
- Energy and Energy Integration
- Project Work

Software: Aspen One

Salient features:

- Access to Simulation Design & Heat Exchanger Design Software Aspen One
- Process Automation & Instrumentation
- Safety in Process Industry (HSE)
- Selection of Rotary Equipments

Duration: 4 Months (Full Time) / 6 Months (Part Time)

Eligibility: B.E. / B. Tech. or Diploma in Chemical, Petrochemical, Sugar Engineering

Certificate Course in Process Simulation (Software Training Course)

Theory Subject:

- Process Simulations - Introduction & Basics
- Distillation & Type of Distillation Columns

Software: Aspen One

Salient features:

- Industry oriented program in Process Engineering
- Access to software like Aspen One

Duration: 1 Month (Full- Time)

Eligibility: B.E. / B. Tech. or Diploma in Chemical / Petrochemical

Post Graduate Program in Water & Waste Water Treatment

Content:

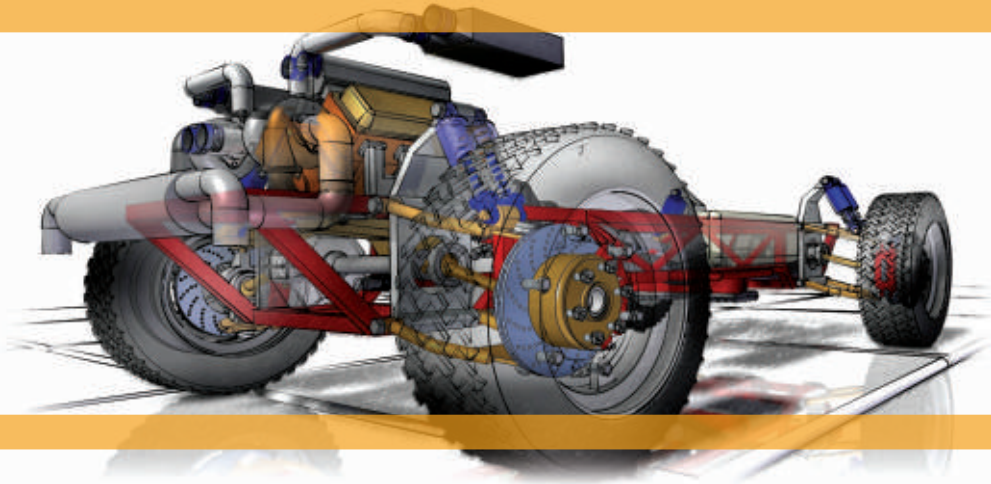
- Water Chemistry
- Water Pre-Treatment
- Water Treatment System
- Introduction to Fluid Handling & Unit Operations
- Waste Water Treatment System
- Effluent Treatment System
- Sewage Water Treatment System
- Operation, Maintenance & Trouble Shooting of Water & Waste Water Treatment Plants

Salient features:

- Course is designed in close acquaintance with professionals from water Industry
- Course covers all design aspects of water & waste water treatment plant
- Industrial visit
- Students can work in any type of Engineering Consultancy, Water- Treatment Industry

Course Duration: 6 months

Eligibility: B.E. / B. Tech. or Diploma in (Mechanical/Chemical), B.Sc. / M.Sc. Fresh or Experienced



CENTRE FOR CAD CAM CAE TRAINING & DESIGN (MECHANICAL DESIGN AND ENGINEERING)

The centre maintains a policy to promote Institute-Industry Interaction through collaborative training programs, extension courses and consultancy services in design. Apart from training candidates to be Industry ready, it also offers Corporate Training to leading industries and helps them increase their skills based work force. The Centre for Mechanical Design and Engineering offers the following courses:

Adv. Post-Graduate Program in Product and Tool Design (Full Time/Part Time)

Content:

Product Design

- Elements of Design
- Studies in Form
- Product Detailing
- Ergonomics
- Sheet Metal and Plastic Product Design
- Product Planning and Marketing

Tool Design

- Press Tool Design
- Jigs and Fixture Design
- Casting Design
- Injection Mould Design
- Advanced Manufacturing Process
- Geometrical Dimensioning & Tolerance (GD&T)

Software & Equipments

- Styling - Alias
- CAD CAM - Catia, Creo, Unigraphics CAD+CAM, Solid Works
- CAE - Ansys, Mould Flow
- Rapid Prototyping
- CNC Programming

Salient features:

- Focus on domain engineering knowledge along with Styling, Modeling & Analysis software
- Course designed & planned in collaboration with industries to fulfill their manpower requirements
- Hands-on experience on high end sophisticated equipments like Rapid Prototyping & CNC Machines & A0 Color Plotter

- All faculties/trainers from design industry with minimum 10 years experience, helps in direct transfer of knowledge to students
- Industrial visits and trainings
- 100% placement assistance for deserving candidates

Duration: 6 Months

Eligibility: Engineering graduation in Mechanical, Production, Automobile. Diploma holders with good academic record

Post Graduate Program in CAE (Full Time & Part Time)

Content:

CAE Domain

- Introduction to CAE
- Computer Aided Modeling
- Finite Element Analysis
- FEA Techniques such as Structural, Thermal and Fatigue Analysis
- Computer Aided Designing
- Computational Fluid Dynamics
- Features of CFD such as Steady Incompressible Flow, Pressure Variation Heat Transfer
- Design Calculations

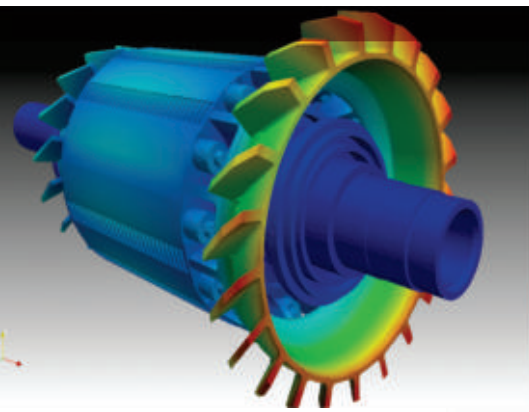
Software: Hyper works, Ansys, Mold Flow

Salient features:

- Focus on Domain CAE Knowledge along with CAE software
- Students undergoing this course can get opportunity to be placed in analysis or design department of company
- Industrial visit

Duration: 4 Months Full Time / 6 Months Part Time

Eligibility: M.E. / M. Tech. or Engineering Graduation in Mechanical, Production, Automobile



Post Graduate Program in PLM (Product Life Cycle Management)

PLM Systems as an enabling technology for PLM integrate people, data, processes, and business systems and provide a product information backbone for companies and their extended units. Through their ability to integrate all product related data and processes and to eliminate boundaries in the value chain, PLM Systems can significantly reduce non-value added activities and enables to collaborate in real time using a consistent set of information throughout the entire product life-cycle. In today's highly competitive, fast-paced and global business environment, well-designed and implemented PLM practices, processes and technologies that support an organization's strategies for innovation and growth can afford companies a real competitive advantage.

Program Structure:

- The program is the integration of world's best PLM softwares named:
- TC-UA (Team Centre Unified Architecture with User Administration and Customization) from 'Siemens' & ENOVIA Matrix One V6 (User Administration) from '3DPLM'

Content:

TC-UA (Team Centre Unified Architecture with Administration and Customization) from 'Siemens'

- Using TC
- TCUA - Integration for NX Users
- Data Model Administration
- Application and Data Model Administration
- Installation
- CAD NX (Unigraphics):- Sketcher, Solid Modeling, Surface Modeling, Assembly and Drafting

ENOVIA Matrix One V6 (User Administration) from '3DPLM'

- CAD-CATIA V5
- Sketcher, Solid Modeling, Surface Modeling, Assembly, Drafting
- Customization: CAT Scripts
- PLM - Ennovia Matrix one V6
- Introduction to PLM
- Introduction to ENOVIA Matrix One Backend
- Introduction to ENOVIA Matrix One Frontend

- Basic Terminologies in Matrix One
- Matrix One Backend
- Concept of Check-in and Check-out
- Development Lifecycle
- Change Management
- Bill of Material
- Authentication

Duration: 6 Months (Full Time)

Eligibility: Engineering Graduation / Diploma

Salient features:

- Globally valid certification from Siemens & 3DPLM
- Individual module certificate from Siemens PLM (TC-U A & NX)
- Individual module certificate from 3DPLM (Enovia Matrix One V6)
- Program completion certificate from MIT Skills
- Training contents designed & governed by Siemens & 3DPLM
- Training imparted by Siemens & 3DPLM certified trainers
- Daily 14 hours of lab facility for ample practice
- Live/ Dummy projects
- Course in collaboration with 3DPLM & MIT Skills
- 3DPLM is a joint venture between Dassault Systems, France & Geometric Global, India
- The total activity will be closely governed by respective companies, MIT Skills & top authorities from 3DPLM
- 100% placement assistance from 3DPLM & MITSkills for deserving candidates

PLM user, Administration & Customization Training Program with Team Centre Unified Architecture (TC-UA) Siemens PLM Software ATP

Content :

- Using TC
- TCUA – Integration for NX Users
- Data Model Administration
- Application and Data Model Administration
- Installation
- CAD NX (Unigraphics) Sketcher, Solid Modeling, Surface Modeling, Assembly and Drafting

Salient features:

- Globally valid certification from Siemens PLM
- Training contents designed & governed by Siemens PLM
- Training imparted by Siemens certified trainer
- Daily 14 hours of lab facility for ample practice
- Live/Dummy projects
- 100% placement assistance from Siemens PLM & MIT Skills for deserving candidates

Duration: 4 Months**Eligibility:** Engineering Graduation/Diploma or Students Pursuing their Engineering Degree or Diploma**Diploma in CAD and PLM Application & Customization- in collaboration with 3DPLM****Content:**

- CAD-CATIA V5
- Sketcher, Solid Modeling, Surface Modeling, Assembly, Drafting
- Customization: CAT Scripts
- PLM - Ennovia Matrix One V6
- Introduction to PLM
- Introduction to ENOVIA Matrix One Backend
- Introduction to ENOVIA Matrix One Frontend
- Basic Terminologies in Matrix One
- Matrix One Backend
- Concept of Check-in and Check-out
- Development Lifecycle
- Change Management
- Bill of Material
- Authentication

Duration: 6 Months**Eligibility:** Engineering graduation/Diploma or Students pursuing their engineering degree or diploma**Salient features:**

- Course in collaboration with 3DPLM & MIT Skills. 3DPLM is a joint venture between Dassault systems, France & Geometric Global, India
- The total activity will be closely governed by top authorities from 3DPLM & MIT Skills
- Trainers from MIT & 3DPLM
- Live projects from 3DPLM for deserving candidates
- Daily 14 hours of lab facility for ample practice
- 100% placement assistance from 3DPLM & MIT Skills for deserving candidates

Post Graduate Program in Automotive & Styling**Content:**

- Introduction to Design Definition
- Element of Design
- Principle of Design
- Ergonomics (Design aspect)
- Material and Joineries

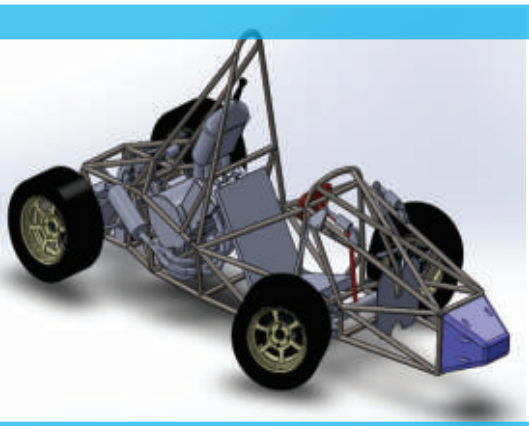
- Manufacturing Processes
- Design Process
- Product Planning and Marketing
- Design Thinking
- Workshop Skills & Working Model Making
- Typograph
- Design Management
- Introduction to Alias
- Nurbs, Curves Generation Techniques
- Understanding the Sketches for Surface Generation
- Surface Generation Tools
- Visualization Tools
- Customization of Tools
- Workflow Methodology
- Data Exchange in Alias
- Pedestrian Safety and Ergonomics
- Types of Safety Belts, Air Bags
- External Projections, Door locks & Retention Systems
- Safety Regulations
- Vehicle Interior Styling
- Outer Body Styling
- Automotive Materials
- Lighting System

Software: Alias**Salient features:**

- Focus on automotive and product design knowledge along with styling software
- Students undergoing this course can get opportunity to be placed in automobile industries, electronics industries etc.
- Industrial visit

Duration: 6 Months**Eligibility:** Engineering graduation in Mechanical, Production, Automobile. Diploma holders with good academics record**Post Graduate Program in Productivity Improvement****Content:**

- Concepts of Productivity
- Shop Floor Productivity Improvement
- Cost Reduction on Shop Floor
- Work Study
- Principles of Motion Economy
- Statistical Process Control
- Poka Yoke
- 5 S
- TPM
- Quality Circles
- JIT – Kanban
- Plant Layout - Material Handling
- Kaizen
- DFMEA



- Theory of Constraints – TOC
- Knowledge Management
- Case Studies

Salient Features:

- Students undergoing this course can get opportunity to be placed in Industrial Engineering department of manufacturing industries
- Industrial visit

Duration: 6 Months

Eligibility: Engineering graduation in Mechanical, Production, Automobile, Industrial Diploma holders with good academic record

Master in Computer Aided Design (MCAD)

Content:

MCAD with CAE

- Catia
- Creo
- Solid Works
- Unigraphics NX
- Ansys or Moldflow

MCAD with Styling

- Catia
- Creo
- Solid Works
- Unigraphics NX
- Alias

Salient feature:

- Develop hands on practice with multiple design software tools

Duration: 6 Months

Eligibility: Engineering Graduation/Diploma in Mechanical, Production, Automobile or students pursuing their Engineering Degree or Diploma

Catia V6 (Catia V6 CAD, ENOVIA Matrix One)

Content:

- Overview of PLM as a Concept
- Introduction to ENOVIA Matrix One stack building
- ENOVIA Matrix One Basics
- Introduction to Matrix One Backend and Frontend UI
- Business Modeler and Matrix Navigator
- Management of Roles, Persons, Policies through Backend
- Workflows-Route Template, Routes, creating & promoting part
- Revisioning and Versioning
- Concept of Actual Data-Check-in and Check-out
- Bill of Material-Alternate and Substitute Parts
- Change Management-ECR and ECO, EC Part Life cycle
- Customization-Customize Policy for Person and Roles
- Attribute Value Backend Modifications

Duration: 6 Months

Eligibility: Engineering Graduation/Diploma or students pursuing their Engineering Degree or Diploma

Expert CAD

Software: Any two software from Catia, Creo, Solid Works, Unigraphics And GD&T training

Salient feature:

- Develop hands on practice with multiple design software tools

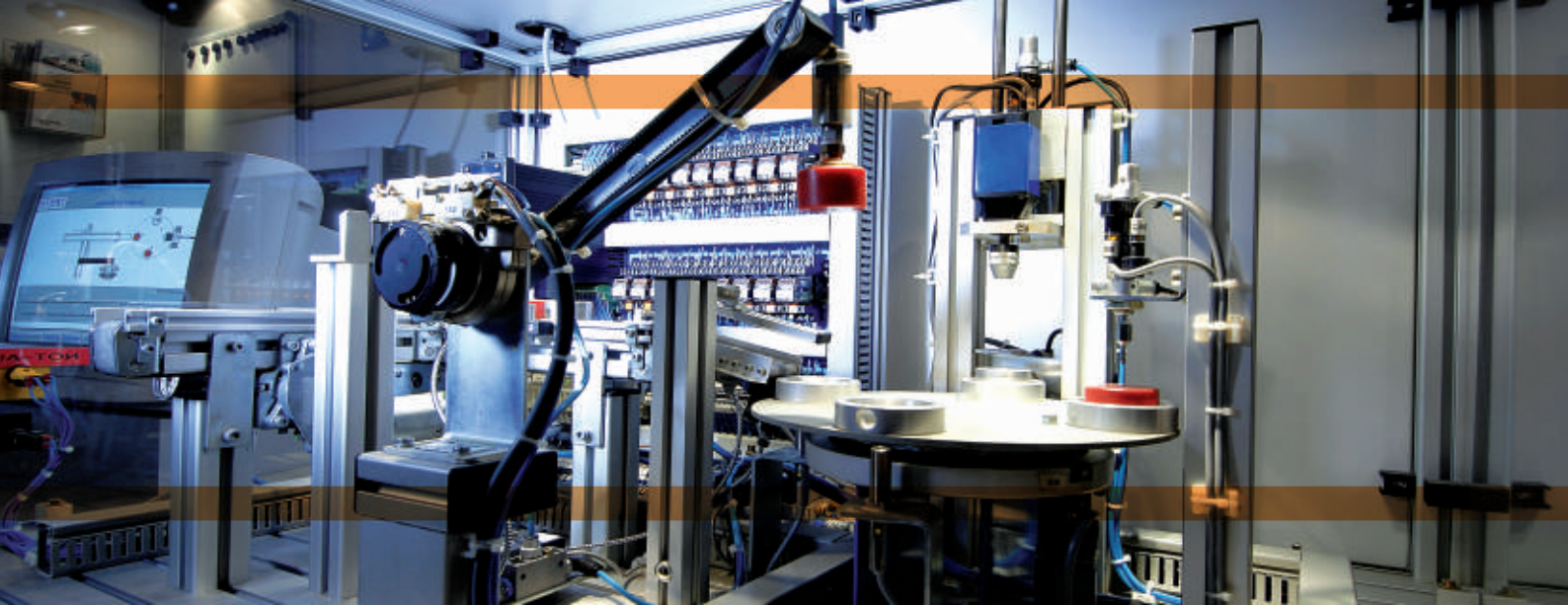
Duration: 3 Months

Eligibility: Engineering Graduation/Diploma in Mechanical, Production Automobile. or students pursuing their Engineering Degree or Diploma

Certificate Courses:

Software: Alias, Catia, Creo, Unigraphics, Solid Works, Ansys, Mouldflow, StaddPro

Duration: Two Months Each



CENTRE FOR INDUSTRIAL AUTOMATION AND CONTROLS

Skill development has been one of the strongest arms of the MIT Group of Institutions and the vision of MIT Skills is to help suffice the increasing need of skilled workforce in industries across all the sectors. MIT Skills anticipates offering the solution to the crisis of the availability of educated but unemployable workforce. MIT Skills, will be engaged into imparting high-end technical training at a postgraduate level (post engineering). These training programs will be in close acquaintance with industries and experienced industry veterans carrying rich domain and practical knowledge. They will be imparting training to enhance the necessary skills among the students. Automation deals with 'Measurement & Control'. Its main focus is on large process industries such as oil & gas, Petrochemicals, fertilizer, cement, steel, power etc.

Post Graduate Program in Industrial Automation & Controls

The program is equipped with contemporary and informative course contents. Excellent library, project reports, software like PDMS for 3D modeling, CAD.

Content:

- Overview of Refinery Process
- Introduction to other Interfacing Departments
- Allied Processes in Electrical Engineering
- Allied Processes in Piping Engineering
- Instrumentation Overview
- Field Instruments
- Installation Engineering
- Allied Processes in Layout
- Hazardous Areas

Software: PDMS, CAD, Control Systems

Duration: 6 Months (Full Time)

Eligibility: B.E. / B. Tech. or Diploma in Electronics and Telecommunication, Instrumentation & Electrical

Salient features:

- Course designed & planned in collaboration with industries to fulfill their manpower requirements
- Hands on training on latest software like PDMS, CAD, and Control Systems
- Exposure to real case studies
- Total contact hours will be 800+, which are distributed for theory, practical, software training and also industrial visits
- Performance is reviewed during and after the training program, by written examinations, one project, term work and presentation of seminars
- Soft skills development

Post Graduate Program in Embedded System and VLSI

Content:

Embedded System

- Introduction to Embedded System Concept (Trend, Challenges, Design Issues)
- Real Time Operating System



- **Embedded System Programming:**

- Over view of 'C'
- Embedded 'C'

- Embedded Java
- 8/16/32 Bit Micro-Controller and Interfacing (AVR, ARM)
- Device Drivers
- Wireless Communication

VLSI

- Advanced Digital Design
- VHDL
- PLD Architecture

Duration: 6 Months (Full Time)

Eligibility: B.E. /B. Tech (Electronics, Computers, Instrumentation)

Salient features:

- Total course duration will be 800+ hrs. which are distributed for theory and practical
- Course is designed and planned to meet the industry requirement
- Performance is reviewed during and after training program by •
- written examinations, term work and project.
- Soft skill development

Certificate course in PLC networking and protocol

Content:

- Profibus
- Ethernet
- Modbus
- HART protocol

Duration: 20 hrs

Eligibility: Working professional and fresh graduate B.E / B. Tech (E&TC, Electronics, Electrical, Instrumentation)

Salient features:

- Total contact duration will be 20 hrs. which are distributed for theory and practical
- Course is designed and planned to meet the industry requirement



CENTRE FOR BUSINESS ANALYTICS

Business Analytics is the study of data through statistical and operations analysis, the formation of predictive models, application of optimization techniques and the communication of these results to appropriate audience. The Business Analytics is a comprehensive, short-term program that provides aspirants with a thorough understanding of Data Analytics and Big Data.

Scope for Business Analytics Professionals:

- Large IT Companies who have an Analytics Practice
- Analytics KPOs In-house Analytics Units of Large Corporates
- Niche Analytics Firms

Program: MIT Skills offers following Program to boost career In Business Analytics

Post Graduate Program in Business Analytics

Learning Methodology

Instructor-led classroom training using a combination of lectures by experienced faculty, case studies and live project work

Program Options:

The learning is divided into 2 levels:

- 1) Basic Analytics (Foundational)
- 2) Advanced Analytics (Advanced)

Program Duration:

It is a program for 500 hours over a period of 6 months.

- Basic Module: 4 Months
- Advanced Module: 2 Months
- Duration may increase for Part Time Program

Mode of Conduct:

The Program Mode of Conduct is divided as:

- 1) Full Time (Monday - Friday)
- 2) Part Time (Saturday & Sunday)

Content:

Basic Module:

- Foundational Analytics
- Statistical Inference
- Application of Analytics in Business Function
- Special Analytics Methods
- Information Management In Analytics

Advanced Module:

- Advanced Business Forecasting
- Advanced Analytics
- Applications of Analytics in Business Verticals

Eligibility:

- B.E., B. Tech. or Diploma Graduates with minimum 50 % grades
- B.Sc. (IT, Computer Science, Mathematics, Statistics, Electronics)
- Prior programming knowledge and relevant experience is preferred
- 100 % Placement Assistance



CENTRE FOR ENERGY & SUSTAINABILITY

The energy sector is in transition and there is significant need to understand the various energy conversion and efficient utilization process. In view of the problem of climate change and scarcity of fossil fuels, the field of energy engineering offers significant challenges and opportunities. Like all other centers this Center also offers Post Graduate Programs in Energy Auditing, Renewable & Non Renewable energy to promote Institute-Industry interaction. Students will get an exposure to various technologies in renewable & non-renewable field and technologies for energy management and energy conservation.

Post Graduate Program in Energy Auditing

Content:

- General Aspects of Energy Management and Energy Audit
- Energy Efficiency in Thermal Utilities
- Energy Efficiency in Electrical Utilities

Salient features:

- Course is design to help the participant for preparation of Energy Auditor Exam taken by Bureau of Energy Efficiency
- Hands on Experience in Energy Auditing
- This course will help industry professionals acquire the skills and techniques required to implement energy management
- Participant can work as Energy Auditor or Energy Manger in any manufacturing and engineering industry

Duration: 6 months (Full time & Part time)

Eligibility: B.E. / B. Tech or Diploma in (Mechanical/Chemical/Electrical)
(Fresher or Experienced)

Post Graduate Program in Renewable & Non-renewable Energy

Content:

- Introduction of the module and overview of the different Renewable & Non-renewable technologies
- Energy Infrastructure and Efficiencies

- Energy Resources and Policies
- Choosing the Best Energy Options
- Benefits, Applications and Case studies for each Technology
- Renewable & Non-renewable Energy Technologies
- Other Energy Saving Technologies
- Review of each Technology
- Payback Time Considerations
- Combining Renewable Energy Technologies
- Software Tools for Energy Analysis

Salient features:

- Course is design & developed with the help of professionals from Industry to fulfill their man power requirement
- Course covers all design aspects of renewable & nonrenewable technology
- Hands on experience
- Industrial visits to power plant

Duration: 6 Months (Full Time / Part Time)

Eligibility: B.E. / B. Tech or Diploma in (Mechanical/Chemical/Electrical)
(Fresher or Experienced)



CENTRE FOR CONSTRUCTION & EPC PROJECT MANAGEMENT

Construction Technology has been understood as a field of shore less opportunities. Civil engineers can find their niche here with appropriate and efficient practical exposure on site coupled with hands on training. HNC (High National Certificate) is a comprehensive, short-term program that provides aspirants a thorough understanding of construction work and built environment. Program is conducted in association with a leading institution in UK, BSDC (Burton and South Derbyshire College). Project management consultancies also require excellent quality skilled workforce to work on crucial and big projects.

High National Certificate (In Association with BSDC, UK)

Highlights of Program

- Professional Development
- High Competency
- Project Experience
- Skills & Knowledge Gained
- Industrial Associations
- New Technologies
- Excellent Hands on Practice
- Flexible Learning at Flexible Pace with Industry Exposure

Mode of Conduct:

The program mode of conduct is divided as: Onsite training + Classroom training (Open to Change)

Duration: 6 Months

Content:

- Design Principles and Application for Construction
- Science and Materials for Construction, Health, Safety and Welfare for Construction
- Construction and Maintenance of Buildings / Pre Engineered Buildings
- Construction Methods and Design Solutions
- Structural Behavior and Detailing
- Design Technology for Construction
- Computer-aided Design for Construction
- Management Principles and Application for Construction
- Building Services Design, Installation and Maintenance in Construction

Eligibility: Diploma in Civil Engineering

Post Graduate Program in EPC Project Management

Content:

- Introduction to Project Delivery Systems for the Industry
- Six Phases of a Project System
- Typical EPC Contract Steps (Turn Key Projects)
- EPC Contractor Evaluation
- HSE Management
- Risk Management
- Project Control & Scheduling
- Quality Management
- Resource Planning
- Project Communication
- Work Breakdown Structure
- Scope Issues
- Cost Estimating
- Cost Control & Earned Value Analysis
- Engineering Management
- Procurement
- Construction Management
- Special Conditions for Site Contractors
- Contract Administration
- Commissioning Procedure
- Commissioning & Start-up
- Completion

Salient features:

- Course is designed & developed with the help of professionals from Industry to fulfill its man power requirement
- Industrial visit
- Software for Project Monitoring & Scheduling

Course Duration: 6 Months

Eligibility: Any Engineering Graduate (Fresh or Experienced)



CENTRE FOR TELECOM TECHNOLOGY

In the global telecommunications industry, the only constant is change. So today's telecommunications executive needs to understand the environment in which the industry operates in order to make key decisions that influence the direction of their organizations. One of the key challenges for telecommunications executives is to extract value out of changing markets. In order for executives to forecast market developments correctly and to determine their organization's optimal positioning and pricing strategy, they need a targeted, high-level strategy and marketing training.

1) Sales Executive: Broadband

- **SECTOR:** TELECOM
- **SUB-SECTOR:** Service Provider
- **OCCUPATION:** Sales & Distribution

Role Description:

Sales Executive (Broadband): In the telecom industry it is also known as Territory Sales Executive/ Territory Sales Representative/ Field Sales Executive/ Field Sales Representative/ Feet on Street (FOS)/ Business Development Executive. This role is outsourced to a channel partner such as a Consultancy/DSA. Individual at this job identifies the prospect (potential buyer) and sells broadband / landline services to them.

NVEQF/NVQF Level: 4

Minimum Educational Qualifications: Graduate in any stream

Maximum Educational Qualifications: MBA in Sales

Training:

- Selling Skills
- Negotiation Skills
- Basics of Telecom Write

2) Territory Sales Manager: Broadband

- **SECTOR:** TELECOM
- **SUB-SECTOR:** Service Provider
- **OCCUPATION:** Sales & Distribution

Role Description:

Territory Sales Manager (Broadband): In the telecom industry it is also known as Key Account Manager/ Segment Manager/ Area Sales Manager/ Area Manager/ Territory Manager/ Assistant Sales Manager/ Account Manager/ Channel Manager. Sales Executive sells telecom products and services like Broadband/Landline services to potential users/buyers.

NVEQF/NVQF level: 4

Minimum Educational Qualifications:

Graduate in any stream

Maximum Educational Qualifications: MBA in sales

Training:

- Selling Skills
- Negotiation Skills
- Basics of telecom Write

Experience:

0-1 year in Telecom Industry

3) Territory Sales Manager: Prepaid

- **SECTOR:** TELECOM
- **SUB-SECTOR:** Service Provider
- **OCCUPATION:** Sales & Distribution

Role Description:

Territory Sales Manager (Prepaid): In the Telecom industry it is known as Area Sales Manager / Area Manager / Territory Manager / Assistant Sales Manager / Account Manager / Channel Manager.

NVEQF/NVQF Level: 7

Minimum Educational Qualifications: Graduate in any discipline (rural)

Maximum Educational Qualifications: MBA or equivalent degree in Marketing/Sales (urban)

Training:

- Leadership Skills
- Distribution/Retail Management

Experience:

1 year-rural / 3-5 years preferred- urban

CHERISHED MOMENTS



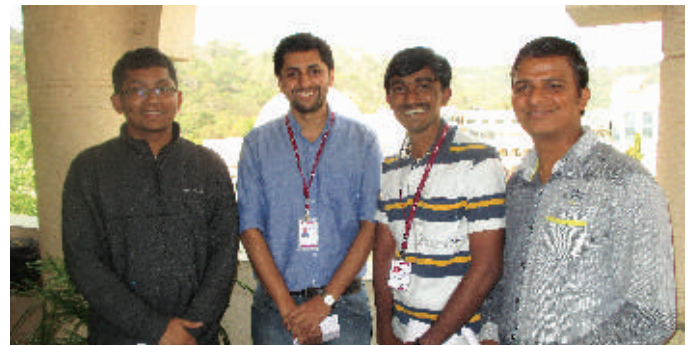
Visit to Volkswagen Plant



Training delivery on Piping Engineering at Gabon, Africa



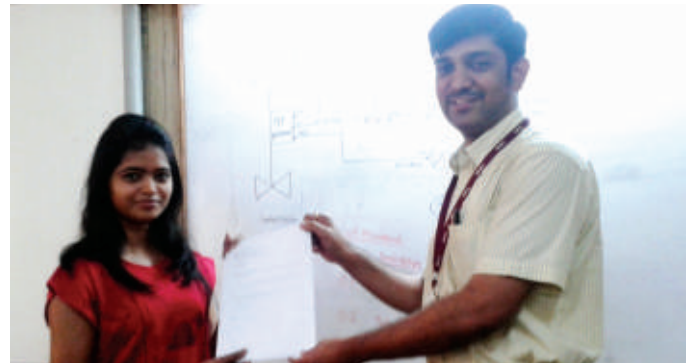
Visit to Reliance Petrochemicals



Group of students selected with Reliance Industries Ltd.



Pavan Natekar-Receiver of Highest Package by Reliance Industries Ltd.



Nikita Khapekar-Selected with Enlightened Energy Pvt. Ltd.



Group of students selected with Faurecia Interior Systems India Pvt. Ltd.



Group of students selected with Jacobs Engineering with its delegates

OUR RECURITERS



PHILIPS



Mahindra
Rise.



LG Electronics



JACOBS



Neilsoft
The Engineering Knowledge-smiths



MICRODATA
Marine Group





and many more...

For Admission Contact:

020 32342992, +91-9922025499, +91-7774036482, +91-7774078254, +91-7774048336, +91-9881256107

info@mitskillsindia.edu.in



MITSkills
Building Skills, Building Careers

2nd Floor, Library Building, MIT Campus, S.No. 124, Paud Road, Kothrud, Pune - 411038.
Tel: +91-20 32342992, Fax: +91-20 25442770
Mob: +91-9922025499, 7774036482, 7774078254, 7774048336, 9881256107
Email: info@mitskillsindia.edu.in