

TRAINING
SOLUTION
FOR
ELECTRICAL
PROFESSIONALS

Enroll today



ADMISSIONS OPEN

**ELECTRICAL DESIGN &
ENGINEERING TRAINING
ACADEMY & CONSULTANT
(EDETAC)**

Making the future brighter

Contact us



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www.edetac.com



About Us

EDETAC has offer Professional Engineering Course to the professional who want to excel in their career. DETAC has designed professional Courses which are a combination of theory, latest industrial practices and practical sessions. Syllabus covered in the Courses offer by us is exactly as per the global standards as well as latest working requirements of various engineering companies. To know more about our Courses, you can write us at enquiry@edetac.com.

OUR PROGRAM

Get hands -on experience in applying design tools & techniques to real engineering problems and understand Design, Engineering, Construction, O&M etc. Thus, become a Technology Driven Engineering Professional.



Experience comes first as the best teacher to success.

Our Approach

JOB ORIENTED OUTCOMES

Fill the Void of Talent Shortage in Design Engineering by becoming eligible for thousands of High Paying Jobs in India & Abroad with an upgraded profile through this skill & certification. Additionally, Get Promoted from your current position with added skill set.

TRAINER:

Delivered by Senior Industry Professionals having extensive experience of Design & Engineering in diverse domains & industries. These practitioners are also empaneled as subject matter experts with EDETAC.

CONTENT

Get 24x7 access to EDETAC platform (Online/Offline) with Abundant Content on Electrical Engineering including Courseware (PPT/PDF), data, case studies, articles, books, videos, examples, presentations, resource library & related more.

Course offerings

EDETAC Offer the following Courses:

- Electrical System Design Course
- Solar Power Plant Design with PV Syst Software
- AutoCAD 2D & 3D Design Course
- E-PLAN Electrical P8 Design Course
- Illumination (Industrial and Commercial Lighting) Systems Designing Course
- Autodesk REVIT MEP
- Advanced PLC and SCADA Program Professional
- Lighting Control Design Professional Training
- Sketch Up (Industrial 3D Designing) Design Course
- Electrical Control Panel Design Course
- BMS Training Program
- AutoCAD Electrical Training

About EDETAC

Our Mission and Vision

A Mission Statement defines the company's business, its objectives and its approach to reach those objectives. A Vision Statement describes the desired future position of the school or company.

“At EDETAC, we hone our students to become future captains of industry.”

Vocational & Corporate Training

To provide an advanced, affordable high-level training solutions in the field of Design, Engineering, construction, commissioning, operation and Maintenance for Industrial Projects.



Industrial Lighting) Systems Designing Course

Design Lighting Systems for Residential , Commercial and Industrial Projects. This course is intend to assist you to work fast an effectively with DIALux Evo and AutoCAD. Calculate and Prepare layout of any Interior lighting – industrial, residential, office departmental stores, indoor stadium, theater and hospitals, Exterior lighting– flood, street and aviation.

Courses Details



Electrical System Design Course

The objective of the course is to develop competent and employable Electrical Engineers with necessary engineers & software skills to design, draft and model Electrical systems such as lighting, power, ELV, etc.



SketchUp



Sketch Up Industrial Design Course

This course is designed for the absolute beginner with SketchUP or 3D modeling You will start learning drawing tools and to create different Design of 3D Walkthrough SketchUp Mechanical & Electrical Layout -Part Plan



ADVANCED PLC PROGRAM PROFESSIONAL COURSE

EDETAC PLC training program is specially tailored for Professionals, Corporate Companies, and Colleges. Using the Rockwell software RSLogix 500, Simatic S7, Siemens TIA Portal, WinCC and FactoryTalk View Studio, we will be covering such topics as general controls, digital and analog IO, ladder logic programming, alarm / notification handling, HMI, emulation, best practices and more.



Solar Power Plant Design with PV Syst Software

The course is appropriate for individuals seeking to establish a career in the solar energy industry or continued education for the solar professional. The training is presented online via a self-paced course with full instructor communication and support. After the student registers they can interact directly to the instructor and it should be one-one session going to conducting for two months .

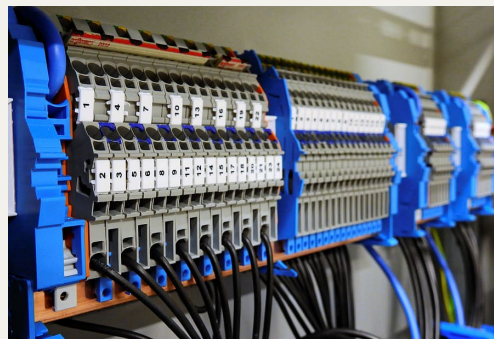
Autodesk REVIT MEP

The course will help students and professionals to leverage Revit MEP to develop Revit MEP design, product simulation, design communication, tooling creation, and a whole lot more. The route will help the candidates.



Electrical Control Panel Design Course

Electrical Control Panel designing are the brain center for all industrial automation projects and This course covers a wide variety of applications in creating and developing DOL Starters, Star Delta Starters, using Analog, Digital & Sequential timer modules, Relay logic creation, panel circuit designing, etc.



AutoCAD 2D & 3D Design

The course will enable the student to create professional HVAC, Plumbing, Electrical, Firefighting, Civil and Architecture drawings as per International standard.



Lighting Control Design Professional Training

When sharing your products and collections, it's always ideal to provide a little raison d'être or reason for being.



EPLAN ELECTRIC P8 TRAINING

Eplan training for creation of schematics, parts, forms, plot frames, macros (for symbols, 2D panel layout, ProPanel) create a project, draw circuit diagrams and round up your Eplan project by adding reports etc.. The software assists complex designs for large region of electrical project panel. The course is must learn for all working engineers and students to establish better professional career.

BMS (Building Management System) Training Program

In this course, you will learn about control over the all high voltage & low voltage systems integrated within the building. This can be done using a controller-based system periodically monitors and controls all the building services that includes HVAC, escalators, lifts, lighting and other consumers of energy within the building.



A AUTOCAD ELECTRICAL



AutoCAD Electrical Training

The AutoCAD Electrical course will focus on use of symbol and their libraries, generation, and insertion of PLC layout modules, and organization of PLC database files. The course will also teach the students about generating a bill of materials reporting, creating PLC I/O drawings from spreadsheets, wire numbering, and component tagging.

Electrical Designing & Drafting.

Electrical Designing

- Basics of Electrical Engineering
- Types of Electrical Loads
- Types of Electricity

Basic Formulas

- Find out Current (I)
- Find out Power kW & kVA
- Thumb rule for calculation for current

Abbreviations

- Codes & Standards
- Lux Level Standards
- Load details for different electrical equipment
- Saving electrical energy

Illumination Design

- Classification of lighting design
- Air Conditioning System

Introduction of Cables

- Types of circuit breaker
- Specifications of circuit breaker
- Calculation of Circuit Breaker size

Introduction to Capacitor Bank

- Advantages of improved power factor
- Capacitor bank sizing
- Electrical Motors

Electrical Designing Rules & Regulation

- Conversion from feet to meters
- ### Lighting Designing
- Raw Power Designing
 - Air Condition Designing
 - Load Balancing Sheet

Introduction to Transformer

- Parts of Transformer
- Transformer cooling techniques
- Transformer sizing

Introduction to Diesel Generator

- Different types of generator
- Installation factors of generators
- Diesel Generator set sizing

Introduction to Uninterruptable Power Supplies

- UPS sizing
- Battery sizing

Cable Sizing

- Voltage Drop Calculation

Short Circuit Calculation

- Tripping Time of Circuit Breaker & Cable checking

Cable Tray

- Earthing
- Bus bar
- Lightning Arrestors

CCTV

- PAS

ETAP

- Load Flow Analysis
- Short Circuit Analysis
- Harmonic Analysis
- Earth Grid Analysis



Solar PV Plant Design and Energy Estimation with PVSyst

General

•Global Energy scenario, Indian Energy Scenario, Energy Policy.

Solar Radiation

•Physics of Solar radiation, Global Beam and diffuse radiation. Related Lab experiments

Fundamentals of Solar Cell

Solar PV basics, Solar PV Module, Solar Cell technologies, Crystalline cell, solar photovoltaic modules, Concentrators and PV Modules. Related lab experiments Field Visits/Manufacturer's works

Balance of Solar PV Systems

Battery technology, Batteries for PV systems, DC-DC converters, Charge Controllers, DC-AC inverters, Single phase, three phase, MPPT

Photovoltaic Power System

PV system configuration, Standalone system with DC / AC load without battery and with battery, Hybrid system, Grid connected systems, Plant Visits.

Planning & Design

Planning Procedure, System capacity and Energy Demand, Site selection, System concept, Module selection and PV Generator, Selection and sizing of cables, Standalone System; Battery sizing, Charge Controller and Inverter, Grid Connected Systems; Selection and inverter sizing, Generator Junction Box and DC Main Switch, Safety Measures, Grid Interface, Mounting System, tender specification, Standards and certification.

Aspects of Owner's Engineering of Solar Power Projects

Pre-feasibility study, Feasibility study, Detailed project report, Design basis report, Technical specification, Packaging of the contracts, Preparing of RFP, Review engineering, Detailed engineering, Construction monitoring, Commissioning of the projects, Aspects of technical due diligence, Detailed due diligence report, Construction monitoring PG test and handover practices, O&M approach and feasibility, EPC Contracts, Suppliers and Manufacturers, warranty, guarantee, Liquidity damages, Project Cost Adequacy, Integration of contracts(Sub contracts).

Installation and Commissioning

Mounting System Cables, Earthing, Junction Box, Commissioning Related lab experiments.

Grid integration

Control techniques and RE integration systems (AC/DC Drives Control, Predictive direct power control of system connected into the grid, Technological aspects, Active network devices, Controls, Micro Grid), Power Grid Analysis and Studies (Electrical System Modeling, Power supply quality, Optimization and Grid Planning)



PVSyst

Movement of the Sun (Latitude, Longitude and the Sun's movement)
)Understanding Tilt & Azimuth
Understanding your Client's Requirements
Creating your first solar design, manually
Performing a Site Assessment
Overview of PVSyst
Creating a New Site and Understanding the Design Flow
Practical Understanding of All Losses
3D Shading Scene and Near Shading Analysis
Understanding Sub-Arrays and Report Analysis
Practice Case Studies

Fees and Schedule

For 2020-2021

Electrical System Design Course

For B. tech/ Diploma with Electrical and Electronics, Electrical Consultant/System Integrators of OEM Equipment, Project Managers/ Architects/Sales people/Entrepreneurs, 3rd year /final year Students

1.5 Months Rs 15000 (Online)
(2 hours/day)

Solar Power Plant Design with PVSyst Software

For full Time Bachelor's Degree/ Diploma with Electrical and Electronics, System Integrators of OEM Equipment, summer training during degree/diploma, 3rd year /final year Students

two Months.... Rs 15000 (Online)
(2 hours/day)

AutoCAD 2D & 3D From Basic to Advance

For B. tech/ Diploma with Electrical and Electronics, System Integrators/ Architects/Sales people/Entrepreneurs, Project Engineers, 3rd year /final year Students

one Month Rs 7500 (Online)
(2 hours/day)

EPLAN ELECTRIC P8 TRAINING

For B. tech/ Diploma with Electrical and Electronics, Electrical Consultant/System Integrators of OEM Equipment, Project Managers/ Architects/Sales people/Entrepreneurs, 3rd year /final year Students

1.5 Months Rs 15000 (Online)
(2 hours/day)

Illumination (Industrial & Commercial Lighting) System Designing Course

For full Time Bachelor's Degree/ Diploma with Electrical and Electronics, System Integrators of OEM Equipment, summer training during degree/diploma, 3rd year /final year Students

one Months.... Rs 10000 (Online)
(2 hours/day)

Autodesk REVIT MEP (Mechanical Electrical Plumbing)

For full Time Bachelor's Degree/ Diploma with Electrical and Electronics, System Integrators of OEM Equipment, summer training during degree/diploma, 3rd year /final year Students

one Months.... Rs 10000 (Online)
(2 hours/day)

Sketch Up (Industrial 3D Designing)

For full Time Bachelor's Degree/ Diploma with Electrical and Electronics, System Integrators of OEM Equipment, summer training during degree/diploma, 3rd year /final year Students

one Months.... Rs 9,500 (Online)
(2 hours/day)

Electrical Control Panel Designing Training

For B. tech/ Diploma with Electrical and Electronics, Electrical Consultant/System Integrators of OEM Equipment, Project Managers/ Architects/Sales people/Entrepreneurs, 3rd year /final year Students

45 Days Rs 8,000 (Online)
(2 hours/day)

ADVANCED PLC PROGRAM PROFESSIONAL COURSE

For B. tech/ Diploma with Electrical and Electronics, Electrical Consultant/System Integrators of OEM Equipment, Project Managers/ Architects/Sales people/Entrepreneurs, 3rd year /final year Students

1.5 Months Rs 15000 (Online)
(2 hours/day)

Lighting Control Design Professional Training

For B. tech/ Diploma with Electrical and Electronics, Electrical Consultant/System Integrators of OEM Equipment, Project Managers/ Architects/Sales people/Entrepreneurs, 3rd year /final year Students

20 Days Rs 5000 (Online)
(1 hours/day)

BMS (Building Management System) Training

For B. tech/ Diploma with Electrical and Electronics, Electrical Consultant/System Integrators of OEM Equipment, Project Managers/ Architects/Sales people/Entrepreneurs, 3rd year /final year Students

one Months Rs 10,000(Online)
(2 hours/day)

**Choose a level and course that suits your needs
And get job-ready!**



Contact us

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Website: www.edetac.com



EDETAC

DESIGNING UR FUTURE.....

**STRENGTHEN your Engineering base
with job-ready TECH SKILLS**