



2017

TRAINING BROCHURE



**ADVANCE ELECTRICAL DESIGN
& ENGINEERING INSTITUTE**
(Registered under MSME & An
ISO 9001:2008 CERTIFIED)

Training Centre:
Advance Group of Institutions
C-1, Second Floor Near Nirman
Vihar Metro Station
M:- 8467024957, 7531923094
www.advancemechanicaldesign.com
info@advanceelectricaldesign.com

Training Centre Delhi:
C-1, Second Floor, Nirman Vihar
Metro Station Laxminagar, Delhi
110092, Ph: 8467024957

Websites :

www.advanceelectricaldesign.com
www.solardesigntraining.com/

ADVANCE GROUP OF INSTITUTIONS

(Registered under MSME Delhi, An ISO 9001:2008 Certified)

ABOUT US

Advance Electrical Design & Engineering Institute (AEDEI) , **Registered under MSME , An ISO 9001:2008** Certified Institute of Electrical Design & Engineering training programs for Dedicated to Electrical Engineers . AEDEI is latest venture for providing the quality education in the best possible facilities is a key aim of Skill developments for various verticals in Electrical Engineering design.

OUR MISSION

Our Technical Institute offers a full range of training in electrical ,Electronics &Communication and mechanical design courses full fill requirement of current industries ,

These courses which encompass all aspects of core electricity from fundamentals to in-depth of design knowledge are based on several value adding pillars.

Our trainers share their know-how and design experience through demonstrations on dedicated equipment on industries. Courses include training dedicated documents and the possibility of follow-up with regular /internship /e-learning modules. Over one to 45 days depending on the topic, trainees get in-depth, hands-on instruction and the opportunity to practice their acquired know-how.

We cover all the range of engineering industries skills disciplines:

- **Electrical System Design**
- **Solar Power Plant Design**
- **Heat Ventilation and Air Conditioning (HVAC)**
- **Solar Structure Design**
- **Hydro Power Plant Design**
- **Technical Transformer Design**
- **QA/QC Electrical Engineer**
- **Power System Software**

OBJECTIVES OF TRAINING

- To make the Engineers expertise in Various engineering design field by experience faculty
- Engineers Job oriented programs.
- Develop the key skill in designing for employments.
- To familiarize with industries norms (BIS Code, NEC Code,IEC Code, IEEE Code , NFPA Code etc)
- To share experiences of various best practices.
- To clarify their doubts in the execution process.

KEY FEATURES OF TRAINING

- ✓ First Certified institute for electrical ,Electronics ,Mechanical and Civil Engineers
- ✓ Employment opportunities - EPC Companies, thermal power plant and Solar .
- ✓ Government sector (Contract Basis), Manufacturing, construction (Electrical Work).
- ✓ **Placement Partner with 10+companies in India.**
- ✓ Expert Faculty from Industries experience more than 7 year and Electrical Consultants.
- ✓ Hands on training facility on live projects(Power Sector and Infra sector)
- ✓ **Available Latest software for Designing(STAAD PRO,AutoCad,Google SketchUp,HelioScope).**
- ✓ study materials provide by AEDEI
- ✓ **Individual Candidates provided projects for designing.**
- ✓ **Certified by Design Engineer -Structure .**

SYLLABUS OF STRUCTURAL DESIGN

- **Basic Of Structural Engineering**
- **Analysis and Design of Structure.**
- **Steel Frame Connection.**
- **2D and 3D Modeling Structures.**
- **3D Structural Design.**
- **Structural Analysis and Design.**
- **Stress and Failure Analysis.**
- **Foundation Design.**
- **Concrete Design and Analysis.**
- **Structural Evaluation.**
- **Steel Structure Design.**
- **Pre-Engineered Buildings.**
- **Construction Detailing and Drawings.**
- **Infrastructure Design.**
- **Storm Water and Sewage Design.**
- **Bridges,Roads and Power project Design.**
- **Investigation and failure Design.**
- **Proof checking and Advisory Service.**
- **Application Design.**
- **Restoration and Rehabilitation of structures.**
- **Analysis and Evaluation of soundness of structures.**
- **Structures, Tanks, Bins, Hoppers,**
- **Steel Analysis and steel Design.**
- **Rain water Harvest System.**

Structure and Solar structure design software

- 1. Staad Pro.**
- 2. Autocad**
- 3. Google Sकेctup (3d Sketch)**
- 4. HelioScope**