



POWER & ELECTRICAL SYSTEM

100% JOB ORIENTED TRAINING

A place to learn, A chance to grow...



State of the Art Lab Facilities. | Emphasis on Practical Oriented Training. | Ongoing project involvement with exposure to live systems. | Training provided by experienced R&D Engineers | Regular Aptitude training, | Mock Interviews & GD | Individual attention to each student during training.

POWER AND ELECTRICAL

AWARENESS OF ELECTRICITY



BASICS OF ELECTRICITY AND IT'S SYMBOLS

ELECTRICAL MACHINES AND INSTRUMENTS

DISTRIBUTION OF ELECTRICITY

DC MOTOR

Basic Principle — construction — parts of DC motor — method of functioning—types of DC motor — series motor — Shunt motor — compound Motor.

AC GENERATOR (ALTERNATOR) Construction

operation — parts of ac generator - types of AC generator—single phase AC generator - three phase AC generator.

TRANSFORMER

Introduction -construction — operation — types of transformers— uses — protective devices of transformer — transformer oil.

AC MOTORS

Three phase motor -Single phase motor — construction — operation — uses

DC GENERATOR

Basic Principle— construction—parts of generator— method of functioning —type of generator — series generator—shunt generator — compound

Electrical Machines and Instruments

Power and Automation - Main Course +

2 Higher end PLC , SCADA , HMI , VFD , PAC , DCS



STUDY OF ELECTRICAL PROJECTS

HIGH TENSION AND LOW TENSION ELECTRICAL WORK

MARINE ELECTRICAL WORK

ESTIMATE AND COSTING



ESTIMATE MATERIAL QUANTITIES AND COSTS PRIOR TO BIDDING AN ELECTRICAL BASED PROJECT

- Calculation of total load
- Selection of electrical equipments

DESIGN OF ELECTRICAL DRAWINGS

TEACH TO CREATE AND MANAGE PROJECTS, CREATE AND EDIT VARIOUS ELECTRICAL DRAWINGS, DEVELOP REPORTS WITH THE HELP OF AUTOCAD® ELECTRICAL

- MEGGER
- MULTIMETER
- TONG TESTER

- EARTH TESTER
- NEON TESTER
- LOOP CALIBRATOR

SAFETY, TESTING AND INSTALLATION OF ELECTRICAL EQUIPMENTS



ADVANCED TECHNOLOGIES IN POWER

Generator Synchronization, VFD and AMF
Earthing
Load Testing
Power Management and monitoring

Cable Laying and Gland Booting
Ferrule and Types of Crimping
Bus Bar Arrangements
Relay Contactor and Switch Gear

COMPLETE PANEL DESIGN AND WIRING



Training Duration, Timings & Fees Details

Post Graduate Diploma in Power and Electrical (PGDPE)

Duration (Days)		Timings		Fees in Rs.
NT	FT	NT 2.5 Hrs/Day	FT 5 Hrs/Day	
50	25	08:00 - 10:30 AM 11:00 - 01:30 PM 02:30 - 05:30 PM 05:30 - 08:00 PM	08:00 - 01:30 PM 02:30 - 08:00 PM	50,000

Certified Electrical Engineer (CEE)

Duration (Days)		Timings		Fees in Rs.
NT	FT	NT 2.5 Hrs/Day	FT 5 Hrs/Day	
30	15	08:00 - 10:30 AM 11:00 - 01:30 PM 02:30 - 05:30 PM 05:30 - 08:00 PM	08:00 - 01:30 PM 02:30 - 08:00 PM	30,000

Electrician Course (C&C)

Duration (Days)		Timings		Fees in Rs.
NT	FT	NT 2.5 Hrs/Day	FT 5 Hrs/Day	
10	5	08:00 - 10:30 AM 11:00 - 01:30 PM 02:30 - 05:30 PM 05:30 - 08:00 PM	08:00 - 01:30 PM 02:30 - 08:00 PM	15,000

Post Graduate Diploma in Power and Automation 65,000



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