



योग: कर्मसु कौशलम्

Darshan
UNIVERSITY

DIPLoma
ELECTRICAL ENGINEERING



A
technical
Diploma
program

that electrify the future with
Industry-oriented education

In the field of **Electrical Engineering**

Electrical Engineering

Electrical Engineering is a basic branch of engineering that deals with design, installation, maintenance and production of electrical equipment, renewable energy system, automation system, etc. Future of electrical engineers are set to be highly shout with development of solar power system and electric vehicle technology. Electrical engineers have variety of career options like Government Organizations (PGVCL, Railway, Power Grid, NTPC, etc.), MNCs (ABB, Schneider, Siemens, L&T, etc.) and Start-ups (Solar, Electrical Contractor/Consultant, Energy Auditor, etc.).

Electrical is a basic branch of Engineering and Electricity is now basic need of our lives.



Diploma Engineering in Electrical

- Highly qualified, well experienced, industry linked, dedicated faculty members.
- A strong theoretical foundation for crystal clear fundamentals.
- Focus on project-based learning with applications of technologies in real life.
- Exposure to cutting-edge technologies through seminars and workshops.
- NABL accredited and industrial oriented laboratories.
- An interactive relationship is maintained between staff and student to develop sound foundation.

Syllabus (As per NEP-2020)

Semester-1

- Environmental Studies
- Mathematics - I
- Basic of Electrical Engineering
- Electrical Engineering Workshop
- Foundational English
- Induction Program

Semester-2

- Basic Physics
- Mathematics - II
- Basic Electronics
- Indian Constitution
- Generation of Electrical Power

Semester-3

- Office Automation Tools
- Electrical Instrumentation
- Electrical Machine - I
- Electricity Connection & Bill
- Transmission Distribution & Utilization of Electrical Power

Semester-4

- Indian Knowledge System
- Electrical Energy Audit
- Electrical Machine - II
- Switchgear & Protection
- Power Electronics

Semester-5

- Life Management & Human Values
- Solar Energy System
- Industrial Automation
- Electric Vehicle
- Banking System
- Capston Project Part – I

Semester-6

- Computer Aided Electrical Drawing
- Testing of Induction Motors as per Indian Standards
- Capstone Project Part – II
- Career Orientation



Skill Development Activities



Solar PV Installation



Energy Audit Demonstration



Motor Testing as per IS



Arduino Training



Industrial Automation



Industrial Protection



Electrical Measurement



Electronics Simulation



Career Opportunities after Diploma Electrical

There are three options after completion of diploma engineering. (1) Diploma to Degree (2) Technical Job (3) Technical Business.

Diploma to Degree (D2D)

Diploma to Degree admission purely depends on DDCET exam. Darshan University arranged DDCET exam preparation during 6th semester. **So students of Darshan University easily got admission to top engineering colleges of Gujarat like Nirma (Ahmedabad), BVM (V.V.Nagar), MSU (Baroda), etc.**

Technical Job / Business

Technical skill is the basic requirement to achieve success in technical job / business. Department of Electrical Engineering at Darshan University is well known for its research level laboratories and consultancy cell. **Students of Darshan University easily got placed in well known companies like ABB, Adani Solar, Jyoti CNC, Synergy transformer, etc. and also successful in business of solar, automation, electrical consultancy, etc.**



સોલાર, ઇલેક્ટ્રીક વ્હીકલ અને સેમી કંડક્ટરના ડેવલોપમેન્ટને લીધે હાલમાં ડિપ્લોમા ઇલેક્ટ્રીકલ એન્જીનીયરની ખુબજ અછત છે.



Electrical Consultancy Cell @ DU

Motor & Pump Testing Laboratory (NABL Approved & BIS Recognized)

Darshan University is the first and only university in India having NABL approved and BIS recognized motor and pump testing laboratory. The laboratory provides NABL and BIS testing of induction motor, submersible pump, self priming pump, monoset pump and centrifugal pump.

500+

Motor/Pump Testing
Projects Completed

130+

Energy Audit
Projects Completed

Energy Management Cell

Energy Management Cell provides the most advanced and best in energy conservation solutions with the thrust in the key areas of energy audit, power quality audit, electrical safety audit, thermography, electrical earthing system, etc.



Government Approvals



RECESSION PROOF



**Darshan
UNIVERSITY**

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