



योग: कर्मसु कौशलम्

**Darshan**  
UNIVERSITY

**DIPLOMA**  
CIVIL ENGINEERING



A  
**technical**  
**Diploma**  
program

that builds the **excellency**  
with **skill and practical** oriented  
foundation in the field of  
**Civil Engineering**



## Civil Engineering

Civil Engineering is the discipline that applies the principles of engineering, physics and material science for the design, analysis, construction and maintenance of structures like roads, bridges, canals, dams and buildings. It is the oldest branch in the history of humankind. The civil engineer can build their career in the government organization (Municipal Corporation, R&B, GWSSB, GSSSB, Revenue Department, etc.), MNCs (Reliance, Essar, L&T, etc.) and they can also start own business of Planning, Consultancy, Material Testing, Surveyor, Contracting, etc.



## Diploma Engineering in Civil

- 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.
- Field training to prepare industry-ready students.
- NABL accredited state-of-art laboratories.



## Syllabus (As per NEP-2020)

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### Semester-1

- Environmental Studies
- Mathematics – I
- Civil Engineering Workshop – I
- Engineering Drawing
- Foundational English
- Construction Material
- Induction Program

### Semester-2

- Mathematics – II
- Engineering Physics
- Civil Engineering Workshop – II
- Engineering Mechanics
- Indian Constitution
- Building Drawing

### Semester-3

- Office Automation Tools
- Computer Aided Drafting
- Construction Technology
- Structural Mechanics
- Surveying
- Fluid Mechanics

### Semester-4

- Indian Knowledge System
- Advanced Surveying
- Concrete Technology
- Construction Project Management
- Quantity Survey & Valuation

### Semester-5

- Life Management & Human Values
- Soil Mechanics
- Capstone Project Part – I
- Professional Elective – I
  - Building Services
  - Structural Analysis
- Professional Elective – II
  - Water Resources Engineering
  - Transportation Engineering
- Open Elective – I

### Semester-6

- Elementary Structure Design
- Capstone Project Part – II
- Career Orientation
- Professional Elective – III
  - Construction Quality Control & Monitoring
  - Water Supply & Sanitary Engineering

“Education is the most powerful weapon which you can use to change the world.”

— Nelson Mandela



## Skill Development Activities



Total Station Survey



Technical Site Visit



Traffic Survey



Preparation of Concrete Cube



Preparation of Foundation Layout



Model Preparation



Tacheometry Survey



AutoCAD Training



## Skill Development Activities



Dimension Understanding & Measurement



Material Identification



Building Planning as per GDCR



Civil Drawing Understanding



Software Training CAD



Setting out of Foundation



Practice of Surveying



Reading & Development of Tippet



Billing & Estimation



Tendering & Contracts



Total Station Learning



Concrete Mix Design



## Cutting Edge Laboratories



Transportation Engineering Lab



Geotechnical Engineering Lab



Surveying Lab



Environmental Engineering Lab



Mechanics of Solid Lab



Building Construction Lab



Concrete Technology Lab



Structural Analysis Lab



NABL APPROVED



## Darshan Consultancy Cell

### Government Approvals



NABL



GPCB



RUDA



RMC



GIDC



AAI

### Glimpse of Work Completed

1700+

Material Testing

600+

Environment Audit

400+

Concrete Mix Design

225+

Bituminous Mix Design

225+

Soil Bearing Capacity Jobs

150+

Pavement Design

100+

Structural Design

60+

Traffic Survey

### Esteemed Clients



RECESSION PROOF

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### University Campus

- 📍 Rajkot-Morbi Highway, Rajkot – 363650
- ☎ 7096979952 / 62
- 🌐 www.darshan.ac.in

### Counseling Centre

- 📍 401, Lotus Arcade, 8 - Royal Park, Between KKV Circle & Indira Circle 150 Ft. Ring Road, Rajkot - 360005.
- ☎ 9033151523, 8905939980