



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 @ DU

- 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.
- An interactive relationship is maintained between staff and students to develop a sound foundation.



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



AutoCAD Training



Technical Site Visit



Traffic Survey



Preparation of Concrete Cube



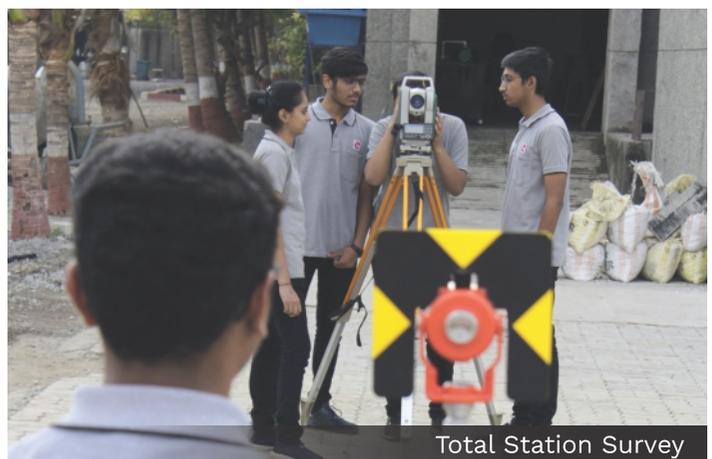
Preparation of Foundation Layout



Model Preparation



Tacheometry Survey



Total Station Survey



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 Tippan



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



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Darshan UNIVERSITY

University Campus

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Counseling Centre

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