



# CIVIL 3D

*Shape Your Future with Autodesk Civil 3D Software In Transportation Design*



## Contact Us

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# MASTER'S IN TRANSPORTATION ENGINEERING WITH CIVIL 3D

Explore **AUTODESK CIVIL 3D'S** features for civil engineering projects, infrastructure design and documentation software. Learn to use its tools for surveying, designing, and analysing, and master project management techniques to boost your skills and efficiency.

## ***What is included***

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- Online/ Offline classroom program.
- Industry Expert Trainers with Interactive Q&A Sessions.
- Get Certified with 1 Month of Hands-On Internship Experience.
- Work on Real-World Projects.
- Guaranteed 100% placement support.
- Guidance up to Placement.
- Mock Interviews Preparation.

# MODULES OFFERED

## MODULE 1

### Autodesk Civil 3D Interface

1. Product Overview
2. Civil 3D Workspaces
3. Civil 3D User Interface
4. Civil 3D Toolspace
5. Civil 3D Panorama

## MODULE 2

### Points/Data Import

1. Introduction to Points
2. Point creation, Edit Marker & Label Styles
3. Display settings, Description key sets
4. Latitude Longitude, Group overrides
5. Import Point file/survey data

## MODULE 3

### Parcels

1. Line and Curve Segments
2. Introduction to Parcels
3. Creating and Editing Parcels by Layout
4. Creating and Editing Parcels, R.O.W. Creation
5. Renumbering Parcels, Table Creation

# MODULES OFFERED

## MODULE 4

### Surfaces

1. Introduction to Surface, Surface Creation, Contour Data
2. Surface Editing, add data to surface
3. Breaklines & Boundaries
4. Surface Analysis Tools, Table creation ,reports.
5. Cut & Fill Volume Surface
6. Cut & Fill Report Generation

## MODULE 5

### Alignments

1. Roadway Design Overview
2. Civil 3D Sites
3. Introduction to Alignments
4. Alignments Creation Tools
5. Alignment Properties
6. Labels and Styles

## MODULE 6

### Alignments

1. Profiles Overview
2. Create a Profile View Style and profile from surface
3. Create Profile View Wizard
4. Finished Ground Profiles
5. Create and Edit Profiles, Profile Band Sets

# MODULES OFFERED

## MODULE 7

### Assembly & Sub Assembly

1. Assembly Overview
2. Add sub assembly parameters
3. Edit Baseline
4. Modifying Sub assembly & Labels

## MODULE 8

### Corridors

1. Corridor Creation
2. Corridor Edits, Regions
3. Corridor Surfaces, Review and Edit
4. Corridor Visualisation

## MODULE 9

### Intersections & Roundabouts

1. Intersection Overview
2. Create Intersection by 2 methods
3. Edit, join Intersections to corridors
4. Introduction to Roundabout
5. Design Roundabout, Edit, surface creation

# MODULES OFFERED

## MODULE 10

### Grading

1. Grading Overview
2. Introduction to Feature Lines & Edit
3. Grading Tools, Grading groups
4. Lot Grading, Type of lots
5. slope percentage criteria

## MODULE 11

### Pipe Networks

1. Introduction to Pipe Networks
2. Storm, Sanitary Sewer Design (Basic)
3. Pressure Pipe Network Design (Basic)
4. Pipe Network Editing, Slope % criteria
5. Pipe Network Annotation/Labels

## MODULE 12

### Sample Lines/Section Views

1. Sample Line Creation, Groups
2. Properties/Edit Sample Lines
3. Section Volume Calculations
4. Section Views Creation, Cut & Fill Volume

# COURSE FEES

Enrolling in this program at BIM Mantra Academy offers a comprehensive curriculum that integrates advanced software tools like Civil 3D, essential for modern engineering.

BIM Mantra Academy is known for its expert faculty, cutting-edge resources, and a curriculum that aligns with industry standards. By choosing this program, students not only gain technical skills but also benefit from the academy's strong industry connections, which can lead to better career opportunities post-graduation.

While the investment in this program is significant, the long-term career benefits and the specialized knowledge gained make it a worthwhile consideration for those looking to excel in the field of transportation engineering.

| Master's in Transportation Engineering with Civil 3D |            |
|------------------------------------------------------|------------|
| DURATION                                             | 3 Months   |
| COURSE FEES                                          | INR 35,000 |

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