



AUTODESK CIVIL 3D ADVANCED TRAINING

Objectives

In this 3-day training session, the trainees will learn the advanced of Autodesk Civil 3D. It is intended to give existing novice Civil 3D operators a comprehensive experience with the advanced features and benefits of Autodesk Civil 3D. Exercises throughout the course shall explore how to manipulate 3D models in generating the results the users intend to produce. Dataset used in this class will be covering simple access road for any project. It will also include drainage, sewerage and water supply modelling in a residential project.

Training Programme Day 1

Chapter	Topic	Duration	Time
Chapter 1	Advanced Road & Highway Module <ul style="list-style-type: none"> • Modeling a Cul-de-Sac • Modeling an Intersection using Automatic Method • Modeling an Intersection using Manual Method • Modeling a Road Widening • Drive-Thru Animation/Visualisation – Real-Time Mode • Drive-Thru Animation/Visualisation – Recorded to Video Mode 	7-Hour	09.00 AM-05.00 PM

Training Programme Day 2

Chapter	Topic	Duration	Time
Chapter 2	Drainage Planning <ul style="list-style-type: none"> • Water Drop Analysis • Catchments and Time of Concentration (Tc) • Detention Pond Design • Interoperability between Civil 3D and Autodesk Storm and Sanitary Analysis (SSA) • Transferring Civil 3D model to Autodesk SSA • Rainfall Information • Running Reports from Autodesk SSA and Updating Civil 3D Model 	7-Hour	09.00 AM-05.00 PM

Training Programme Day 3

Chapter	Topic	Duration	Time
Chapter 3	Gravity Pipe Networks <ul style="list-style-type: none"> ● Part Rules and Part Lists ● Creating a Sanitary Sewer/Sewerage/Drainage/Stormwater Gravity Network ● Editing Gravity Pipe Network ● Creating an Alignment from Network Parts ● Labelling Pipe Network Profile including Crossings ● Pipe Network Interference Check ● Creating Pipe Tables 	4-Hour	09.00 AM-01.00 PM
Chapter 4	Pressurised Pipe Networks <ul style="list-style-type: none"> ● Creating Pressure Network Parts List ● Modelling the Water Supply Pressure Network ● Pressure Pipe Networks in Profile View ● Design Checks 	3-Hour	01.00 PM-05.00 PM