GCS INSTITUTE OF COMPUTER TECHNOLOGIES

AutoCAD 2D/3D

Institute of Computer Technologies
(An ISO & Govt. of INDIA Recognized)

CIVIL, MECHANICAL, ELECTRICAL **Duration: 30 days**

TOPICS

Auto cad civil: Introduction, Basic commands, Details of commands, Commands & applications, 2D basic drawings, projects 2D, planings 2d, sections 2d, elevations (4 sides), 3d commands, 3d plans, all isometric views.

AUTOCAD MECHANICAL: INTRODUCTIONS, BASIC COMMANDS, DETAILS OF COMMAND & APPLICATIONS, 2D MECHANICAL DRAWINGS, 2D ENGINE DESIGNING ,TREADING & ALL MACHINE PARTS, CONVERTING 2D TO 3D MACHINE DESIGNS, 3D BASICS

AUTOCAD ELECTRICAL'S: BASIC COMMAND, DETAILS OF COMMAND & APPLICATION, ELECTRICAL LAYOUTS, CREATING ELECTRICAL LEGENDS, POWER SUPPLY, SINGLE LINE DIAG PLANNING, MAIN, DISTRIBUTION BOARD, SUB, MAIN, DISTRIBUTION BOARD, PANEL BOARD.

ELECTRICAL

- LONGEST CIVIL PLAN TO ELECTRICALS,ELECTRICAL PLANS LAYOUT,PLACEMENTS OF S.M.D.B,PLACEMENT OF M.D.S,POWER SUPPLY,ELECTRICAL LAYOUTS

CIVIL PROJECTS

PRIMAVERA:

Introduction to Project Management, Concepts of Projects Planning and Controlling, Scheduling techniques, Reports, Resources, Cost Planning, Progressing, Project utilities

MSP:

Project management basic concepts, Planning, Scheduling, Resources, Reports

STAAD PRO:

RCC DESIGN As per Is456, Steel Design As per Is800, Analysis & Design & Manual concepts

RCC Wind Load Analysis, Earthquake Analysis,Steel Trusses

MECHANICAL PACKAGE

PRO - ENGINEER:

Sketcher, Soild Modeling

Part Modeling, Assembly Modeling, Sheet Metal, Mini Project, Drawing & Detailing

CATIA:

Sketcher, Solid Modeling, Part Modeling,Part Modeling, Assembly Modeling, Sheet Metal, Mini Project, Drawing & Detailing

ANSYS:

Structural Analysis (Static & Dynamic),Thermal Analysis (Steady Stte and Transient), Hrmonic Analysis, Contact Anlisys, Bucking nlysis, Different types of Beams and Supports

PDS:

Equipement Modeling, Piping Modeling,Isometric Manager,Drawing Manger,Interference manager

PDMS:

Piping basics,Pipe manufacturing methods, Fitting, Flanges, Pipe thickness calculation,Values,Supports & Clssifications,Isometrics,Pipe rack,Special eqipements,Pump & pump head calucations,Pumps suction & discharges,Plot Plan,Pressure drop calucation,Piping system as per ASME - B 31.3 MTO,Control Station,Distillation column,Importance of stree anlysssiss

HAVC

- v Fundamentals
- v Modes of Heat and Ltent Heat
- v Sensible Het and Latent Heat
- v Basic Components of in – Conditioning and refrigeration machines
- v Classification of Air - Conditioning
- v Catagories of Air Conditioning

- v Study of Phychometric Chrts
- v Lod Cluction
- v Static Pressure Calucation
- v Hydronic Sysem
- v Air Conditioning Concepts

MEP

- v Mehcnical
- v A/C Ducktin’s
- v Air Defuses
- v Air Pressures
- v Types os A/C
- v Electrical
- v Power plant
- v Main Transforms
- v Power Supply in home
- v Main Distribution Boards
- v Sub Distribution Boards
- v Power supply & electrial layouts
- v Plumping
- v Water plant
- v Water Supply
- v M.C.H Supply
- v Home connection 2M.C.M Line

v Drainge system / supply etc.....

DRINEGE LAYOUTS

v Septic Tank

v Outer to outer