# €TRAINING

## CAD Technical Drawing Drafting & Planning Skills

14 - 18 July 2024
Sharm El-Sheikh (Egypt)
Sheraton Sharm Hotel,
Resort,

# CAD Technical Drawing Drafting & Planning Skills

REF: B811  DATE: 14 - 18 July 2024  Venue: Sharm El-Sheikh (Egypt) - Sheraton Sharm Hotel, Resort,  Fee: 4095  Euro

## Introduction:

Product and building ideas become a reality thanks to drafters. They create the working drawings used in the product, building, and subdivision development in a fast-paced environment. Chemeketals drafting technology program prepares you for these jobs with training on the latest software.

Jobs in drafting are expected to grow by nine percent, according to the U.S. Bureau of Labor Statistics. Increased construction and the need to improve the nationls infrastructure should add to the demand drafters.

## Course Objectives:

At the end of this course the participants will be able to:

- Create accurate 2D and 3D drawing using CAD software
- Make architectural drawing sets for planning division approval
- Make structural drawing sets to industry standards
- Be effective as a team member to research data and create drawings
- Make civil drawings including streets, lots and utilities of a subdivision for planning division approval
- Make mechanical drawing sets including detail and assembly drawings of parts

## Targeted Audience:

- Drafter Architectural, Interior, Design
- Civil Engineer
- Mechanical Engineer
- Engineer
- Cartographer Maps
- Architect
- Mechanical Drafter
- Print Producer
- CADD Designer
- Tool & Die Design
- Urban Planning
- Construction Management

## Course Outlines:
### Unit 1:

- The Drawing Drafting Function
- Effective Planning Management Needs of CAD Drawing Office
- Major Topics:
- Problem Areas

## Unit 2:

- Contractual Issues
- Industrial Designs, Patents Copyright
- Productivity Issues
- Drafting Skills, Tools Software
- Checking of Drawings - Standards, Specifications, Completeness, Errors...

## Unit 3:

- Standardization Issues
- Productivity Issues
- Future Needs - Intelligent Drawings
- Accuracy Customization

## Unit 4:

- Quality Assurance
  - Drawing Drafting Technology
  - Role of Drawing and Drafting in the Design Development Cycle
  - Quality Assurance Implementation in Drawing Drafting
  - Contractual Issues with Drawings on Projects
  - Industrial Designs, Patents Copyrights
  - Planning Tools Techniques
  - Electronic Document Management Systems
  - Digitization of Paper Drawings
  - Drawing Drafting Tools
  - Using AutoCAD 2000 for Drafting Productively and ...
  - Implementing Standardization
  - Implementing Productivity
  - Error Prevention
  - Other Supervision Management Issues
  - Detailed Flow-Charts for each step/process discussed to give participants a deep insight into the Practical Issues they will face on their job.

## Unit 5:

- Class Workshop: Developing Program Recommendations based on the Topics Covered in the Program
- Class Workshop: Developing a Personalized Action Plan that the participant can immediately implement in his job
- A One-week hands-on workshop to prepare job-specific implementation documents for what has been learned on the program. Objectives, Procedures, Forms, Checklists, Controls, Feedback, Improvement