PDMS Syllabus

Introduction to PDMS modules & Basic structure

Equipment Modeling

- Equipment Modeling by Primitive method.
- Equipment Modeling by Parametric method.
- Nozzle Manipulation.
- Platforms & Ladders.
- Equipment & Nozzle report extraction.

Piping modelling

- Piping modelling.
- Piping Modification.
- Consistency check.
- Clash check.
- Line report extraction.

Structural Modelling

- Isometric extraction
- Isometric Extraction.
- Error Resolving.

Automatic Drawing Production

- 2D drawing Extraction.

Advanced Course

- EQUIPMENT
- PIPING
- ISODRAFT
- STRUCTURES
- HANGERS & SUPPORTS
- DRAFT
- ADMIN

Design Modules

- Equipment Modeling- As per vendor drawing and equipment layout
- Modeling of Horizontal Vessel
- Modeling of Vertical Vessel
- Modeling of Heat Exchanger
- Modeling of Pumps
- Modeling of Stacked Heat Exchanger
- Creating the standard equipments
- Creating obstructions
- Equipment commands-All equipment commands are covered. Setting the obstructions.
- Changing the position of the component with respect to world command
- Modify command, Rotate command, Mirror command, Offset command Measure command, etc – (All Equipment commands are covered).

Piping Module

- Pipe routing- As per piping layout and P&ID
- 6 Routing on projector
- Total 10 routings for practice
- How to provide spec break
- Providing offsets Providing slopes

- Usage of model editor.
- Solving Data inconsistency & clash check
- Piping commands (All Piping commands are covered)

Isodraft Module

- Isometric Generation- As per pipe routings
- Extracting of Isodraft
- Splitting of Isometics
- Providing flow and penetration attachments.
- Export the drawing to AutoCAD

Structural Module

- Structures- As per Equipment layout & piping layout
- Beams and columns
- Create beams and columns Extend beams and columns
- Creating Bracings
- Generating the reports
- Structural commands (All Structural commands are covered).
- Panels and plates
- Creating panels and plate
- Cutting panels and plate
- Splitting of panels and plate
- Penetration of panels and plates
- Floors
- Creations of floors
- ASL modeler

- Creation of platforms
- Creation of ladders
- Creation of stairs

Hangers and Support Module

➢ Supporting the Equipments, structures, pipes
➢ Modeling of supports
➢ Modeling of line guide ,hold down, limit stop.
➢ Modeling of stiffner plates,doubler plate.

Draft Module

- Final output of Plant layout
- GA-Drawing creation in 2D
- Creation of sectional views
- Dimensioning, Labeling
- Export the drawing to AutoCAD
- Reflecting the design changes in draft
- Commands in draft

Course Duration: 45 days
Qualifications:
ITI, ITC, VHSS, Graduates, Diploma, Engineering Students.