

# Computer Applications in Mechanical and Electrical Engineering (Computer Applications in M & E Engg) (AutoCAD,CADWorx,Smart Plant,Tekla,Electrical CAD)

Zawgyi One

IQY Technical College သည် AutoCAD,CADWorx,Smart Plant,Tekla နှင့်  
,Electrical CAD သင်တန်းကို Online မှသင်မည်။

Video Lesson/ Software+Handbook Download link များပါဝင်မည်။ပြီးစီးသူတို့ကို  
Singapore/UK/Australia /USA အသိအမှတ်ပြု Certificate in Computer Applications in  
Mechanical and Electrical Engineering (AutoCAD,CADWorx,Smart Plant,Tekla  
Electrical CAD) ပေးမည်။

Unicode

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## Lessons

### AutoCAD

Getting to know the AutoCAD User Interface/Navigation and View Tools  
Drawing Setup/Draw Tools/Drawing Methods/Methods for Selecting  
Objects/Modify Tools/Drawing Aides/Drawing Workflow/Layers & Properties  
/Layouts & Viewports/Using Text/Dimensions/Leaders/Using Annotation  
Scaling

## Smart Plant Videos

Introduction/Instrumentation/Intergraph/3D/Pipe and Instrument Drawing  
Reading/Smart Plant Instrumentation Expert/Intro/Index/Instrument  
Type/Quick Report/Data Sheet/Specification Binder/Customizing Data  
Sheet/Instrument Type/Calculation/Wiring/Loop Drawing/Bill of  
Materials/Browser/Administrative/Conclusion

## Staad

STAAD PRO v8i LECTURE 1 : INSTALLING THE SOFTWARE.

STAAD PRO v8i LECTURE 2 : SOFTWARE INSTALLATION (PATCHING) -

STAAD PRO v8i LECTURE 3: Making a node , Adding beam

STAAD PRO v8i LECTURE 4 : Cursors, Translational repeat -

STAAD PRO v8i LECTURE 5: Cut-Section , Different Views

STAAD PRO v8i LECTURE 6: Curved Beams -

STAAD PRO v8i LECTURE 7: Adding Beam Dimensions and Materials -

STAAD PRO v8i LECTURE 8 : Assigning dimensions to columns

STAAD PRO v8i LECTURE 10: Assigning supports

STAAD PRO v8i LECTURE 11: Assigning load deadload 1/2

STAAD PRO v8i LECTURE 12 :Assigning load deadload 2/2

STAAD PRO v8i LECTURE 13: Toggle load -

STAAD PRO v8i LECTURE 14 : ADDITION OF LIVE LOAD -

STAAD PRO v8i LECTURE 15: ASSIGNING OF LIVE LOADS

STAAD PRO v8i LECTURE 16: WIND LOAD CONTINUED

STAAD PRO v8i Lecture 17: Transfer of Truss models

STAAD PRO v8i Lecture 18: Adding bay frame model

STAAD PRO v8i Lecture 19: Transfer AutoCAD model to STAAD

STAAD PRO v8i LECTURE 20 : Analysis of complete structure & RCC design

STAAD PRO v8i LECTURE 21: Member offset (Importance and how to do it)

STAAD PRO v8i LECTURE 22 Isolated footing Design - Duration: 14 minutes.

STAAD PRO v8i LECTURE 23 Shear Walls -

## Tekla

Tekla Structure 2016 for Steel /Tekla Structure/Set up/Modelling Tekla Structure

## CADWorx

Plant Professional Demonstration/2D to 3D Pipe Routing/Get start with Plant Professional/Professional Piping Overview/CADWorx Plugin: BUBBLEWorx - Features and Functions/Pump Modelling in CADWorx Equipment/Quick Drafting/Plant Professional/CadWorx 2015/Assembly Support/3D/Plant Design Suite/Steel/Professional Equipment/CAD Worx 2010/P & D/Structure/CAD Worx 2016 Plant Professional

## Electrical CAD

Introduction to AutoCAD /Site Layout 1 – Site: /Site Layout 1 – Cabling:

Site Layout 1 – Text: Site Layout 1 – Plotting: / Single Line Diagram:

1/Beginning Schematic Creation in AutoCAD Electrical Part 1

2/Autocad electrical Tutorial Introduction Part 1

3/Autocad electrical Tutorial Part 2 Wellcome Screen, Autodesk 360, Ribbon Interface

4/AutoCAD Electrical 2017 Webinar Demo

5/AutoCAD Electrical E-learning: Wiring Using ladder tool

6/How to draw an electrical circuit in AutoCAD

7/Tips for Drawing Electrical Symbols in AutoCAD

8/AutoCAD Electrical

9/creating new project in autocad electrical

10/3D ELECTRICAL CABINET LAYOUT

11/Electrical Wiring: Electrical circuits wiring tutorial

12/SOLIDWORKS ELECTRICAL 3D, Electrical Design

13/How to AutoCAD - Creating an Electrical Lighting

14/AutoCAD Electrical Tutorials - Single Line Diagram Part 1

15/Lighting Layout

16/Luminaire Schedule Tutorial