



KEYWORDS
TECHNOLOGIES

Software Training Institute

About Us

KEYWORDS TECHNOLOGIES is a TRIMBLE TEKLA Authorised training centre in Kochi. Our institute is formed and developed for students and co-operates as a key to unlock their upcoming ambitious and passionate world. We help students to emerge daily with updated techniques and requirements of up to date company requirements. KEYWORDS TECHNOLOGIES creates a bridge between students and faculties for their career growth and set a bright future for the next level professionals. We provide exposure with Learning, up skilling knowledge with lab facility, training, Project assistance and career opportunities.

DURATION : 40 HOURS

**COURSEWARE ISSUED :
AUTOCAD 2D FOR ARCHITECTS AND
CIVIL ENGINEERS REFERENCE GUIDE**



AUTOCAD

AUTOCAD 2D FOR ARCHITECTS AND CIVIL ENGINEERS

- Introduction to engineering drawings and AutoCAD
- Drafting basic geometry shapes in AutoCAD
- Modifying drawings in AutoCAD
- Layer management
- Hatching and gradient techniques
- Dimensioning and Tolerancing
- Parametric drawing
- Blocks and attributes
- Xref, OLE concepts
- Plot and publish
- Tutorials and projects





REVIT ARCHITECTURE

- Introduction to BIM & Revit Architecture
- Place and modify Walls & Complex Walls
- Add and modify Wall Profiles
- Place Doors, Windows & Components
- Dimensions and Constraints
- Create Floors and Ceilings
- Curtain Walls & Stairs
- Conceptual Models
- Annotation & Schedules
- Sheets and Title Blocks
- Views, Camera, Walk-through, Render & Solar Study
- In-Place Families
- Family Creation
- Site Design
- Link Projects & Collaboration
- Design Phase
- Realistic Presentations
- Import & Export

DURATION
120 HOURS



DURATION
80 HOURS

AEC -ANALYSIS/DESIGN

STAAD.PRO



Model Generation and Editing

Assigning loads

Automatic load generations

- Slab, Wind and Moving loads

Concrete Design

- Column and Beam design

Seismology

- Seismic Analysis and Design
- Dynamic Analysis
- * Response Spectrum
- * Time History Analysis

FEM / FEA

- Water Tank Design
- Slab Design
- Staircase Design
- Shear wall Design
- Bridge Deck design

Steel Design

- Steel Frame Structure Design
- Overhead Transmission
- Line Towers Design
- Steel Structure design with Pushover Analysis

Foundation Designs

- Isolate, Combined, Strip, Mat and Pile Cap

Report Generation and Plotting



DIPLOMA IN TEKLA STRUCTURES, STEEL DETAILING & MODELLING

Diploma course covers all the basics level topics and imparts the next level knowledge. Additionally, provides the basic level training in the following topics and Assignment.

- Steel Detailing Standards
- Software Tips & Tricks
- Member placement procedures
- Knowledge and Understanding of Miscellaneous items
- Clash Checking & Quality Control
- Final Assignment - Practice Project Execution
& Submission (Level-2)
- Drawing Revision Control
- CNC Data Exporting
- Option settings and controlling
- Phase Manager and Controlling
- Anchor Bolt Modelling and Detailing
- Tekla BIM





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