BUILD
your career
WITH US!

An ISO 9001 - 2008 Certified Company
ABOUT US

CADD Centre is Asia’s largest information technology training services company, creating skilled human resources in computer aided design, engineering, and product lifecycle management. The company has over 630 + centres in major cities and towns across 25 countries. Our courses are industry specific and aim to provide skill sets that are immediately relevant to the participant. Classroom activities are supplemented by practice sessions and projects, aided by our World Class Course Material. Successful participants will receive a CADD Centre International Certificate, a true testimony of skill. All our certificates carry a special hologram with logo, confirming the authenticity of the participant.

Why CADD Centre?
- Start to end industry specific skills
- World class courseware
- Placement assistance
- Student projects that fetch top grades in colleges
- Internationally recognised certificate
- Instructors certified by ITA
- Well distributed network of over 630+ Centres
- Part time employment opportunities during your higher studies in the foreign universities
- The largest corporate CAD / CAM / CAE training provider in India
- Only International CAD training Institution in India

Who Can Benefit?
- Mechanical Engineers
- Civil Engineers
- Electrical Engineers
- Architectural Engineers
- Automobile Engineers
- Aeronautical Engineers
- Manufacturing companies
- Construction companies
- Oil companies
- Graduates
- Government departments
- Utilities
- Archeologists
- Engineering / Diploma students
- ITI / School students
CADD Centre's Master Diploma Program

CADD Centre's Master Diploma is the start to end, comprehensive program on CAD/CAM/CAE suitable for engineers who wish to build a career in core engineering profession. It is certain that engineers will get an employment or career growth after effective completion of this program.

CADD Centre's Professional Program

CADD Centre's Professional course on CAD/CAM/CAE is suitable for engineers and experienced diploma engineers. This program will help engineers to improve the productivity skills and career growth. Participants will benefit greatly from this program and understand the latest technologies.

CADD Centre's Diploma Program

CADD Centre's Diploma programs are best suited for the fresh diploma and engineering students. This program gives the basic understanding and facilitates participants to make designs comfortably.

CADD Centre's Foundation Program

This is the basic, entry-level program offered by CADD Centre. This is best suited for students and graduates to have a clear understanding of CAD tools. This is the foundation on which all the vertical courses are built. This program is offered by all the centres in the CADD Centre training network.

CADD Centre's Special Courses

These programs are designed for those, who have good experience on CAD tools and willing to upgrade themselves to next level of technology in CAD/CAM/CAE.
Experience Growth in leaps and bounds.

Get trained in the latest software tools in the field of Civil and Structural Engineering.
Computer Aided Land Survey using AutoCAD Civil 3D

- Introduction to Land Survey and AutoCAD Civil 3D
- Surface creation based on the survey data from
  - Theodolite
  - Total Station
  - LiDAR
  - Google Earth
  - DEM files
- Surface Styles
- Surface Analysis
- Earthwork Calculation
  - Cut and Fill Volume
  - Grading
  - Profile View Generation
- Site Layout

Courseware Issued:
Computer Aided Land Survey using AutoCAD Civil 3D
- Reference Guide

Duration: 24 hrs
AutoCAD Civil 3D

- Contents of Computer Aided Land Survey
- Transportation Design
  - Design Criteria
  - Alignment Creation
  - Corridor Creation
  - Intersection Design
  - Roundabout Design
  - Custom Assembly Creation
- Report Generation
  - Earthwork Calculation
  - Quantity Takeoff
- Pipe Layout
  - Design Rules
  - BOM
- Plotting

Courseware Issued:
AutoCAD Civil 3D
• Reference Guide

Duration: 80 hrs
• View controls
• Survey inputs and validation
• String names and Drawing styles
• Point Selection Methods
• Surface checker
• String creation and editing
• Surface analysis
• Earthwork calculation
• Alignment creation
  ‣ Horizontal
  ‣ Vertical
  ‣ Best fit
• Carriageway design
• Junction design
• Shoulder design
• Pavement design
• Dynamic reports
• Section views
• Final drawings
Building Estimation and Costing

- Introduction
- Customizing Currencies & Catalog Creation
- Work Breakdown Structure
- Manual Takeoff Tools: Area, Backout, Linear, Count
- Automatic Takeoff Tools: Model, Search, Single Click
- Assembly & Validate Takeoff Data
- Compare & Display
- Report Generation & Export

Courseware Issued:
Building Estimation and Costing
- Reference Guide

Duration: 24 hrs
Revit Architecture

Courseware Issued:
Revit Architecture
• Reference Guide with Workbook

- 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 hrs
Max for Engineers / Architects

- Introduction to 3ds Max
- Modeling using basic primitives
- Transforming objects
- Customizing working units
- Arranging objects using utility tools
- Modeling using parametric modifiers
- Editing Poly Models – using Caddy Interface
- Spline modeling
- Landscaping and modeling using Compound Objects
- Construct using Architectural objects
- Views – Lights and Cameras
- Textures – Basic & Advance
- Particle Systems & Forces
- Importing other formats
- Basics of Animation
- Walk-through
- Advanced Rendering

Courseware Issued:
Max for Engineers / Architects
- Reference Guide

Duration: 80 hrs
Design Visualization.Pro

Courseware Issued:
Design Visualization.Pro
- Reference Guide

- Introduction to 3ds Max Design
- Understanding about primitives and selection methods
- Modeling using parametric modifiers and shapes
- Interoperability with AutoCAD and Revit Architecture models
- Handling Slate Material Editor using libraries
- Understanding about the lighting concepts
- Working with Particle Systems and Environmental Effects
- Handling daylight effects
- Working with latest Rendering Engines
- Understanding the Animation Concepts
- Working in Track views for animating the Revit models
- Video post for Animations

Duration: 40 hrs

CADD Centre
Driving Digital Designs!
STAAD.Pro

Courseware Issued:
STAAD.Pro
• Reference Guide with Workbook

• Introduction to Structural Engineering
• Introduction to STAAD.Pro V8i
• Model Generation and Editing
• Assigning loads
• Automatic load generations:
  ▶ Slab, Wind and Moving loads
• Creating Load Combinations
• Concrete Design
  ▶ Column and Beam design
• Seismology
  ▶ Seismic Analysis and Design
  ▶ Dynamic Analysis
    ▶ Response Spectrum
    ▶ Time History Analysis
• FEM / FEA
  ▶ Introduction
• Water Tank Design
• Slab Design
• Staircase Design
• Shear wall Design
• Bridge Deck design using STAAD.Beava
• Steel Design
  ▶ Introduction
  ▶ 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

Duration: 80 hrs
- Introduction
- Plane Frame Modelling
- Space Frame Modelling
- Load Pattern and Definition
- Analysis and Analysis Reports
- Concrete Frame Design and Detailing
- Steel Design and Detailing
- Composite Beam Design
- Introduction to Dynamic Analysis

Courseware Issued:
- ETABS
  - Reference Guide

Duration: 40 hrs
RCC Detailing

- Introduction
  - RCC Detailing
  - AutoCAD Structural Detailing
- Effective usage of Country Specific Templates and Standards
- Element Creation
  - Automatic
  - Manual
- Slab Creation with Surface distribution
- RCC Detailing of
  - Foundation
  - Column
- Beam
- Slab
- Staircase
- Retaining Wall
- Drawing Preparation
- Bar Bending Schedule
- Export
- Print

Courseware Issued: RCC Detailing
  • Reference Guide

Duration: 40 hrs
ProSteel

Courseware Issued:
ProSteel
• Reference Guide

Duration: 64 hrs

Creating and working with Workframes
• Working with Display and Area Classes
• Inserting Steel Shapes
• Shapes Manipulation
• Working with Plates
• Creating Connections
  • End Plate
  • Base Plate
  • Bracing
  • Purlin
  • Web Angle
  • Shear Plate

• Working with Structural Elements
  • Handrail
  • Stair
  • Ladder
  • User created shapes
  • Part Family
  • Detailing
    • Symbol creation
    • Grouping
    • Material Takeoff
    • Dimension
AutoCAD Electrical

Courseware Issued:
AutoCAD Electrical
• Reference Guide with Workbook

- Introduction
- Project management
- Schematic components
- Symbol Builder
- Circuit Builder
- Component tools
- Wire/Wire number tools
- Ladder tools
- PLC layout
- Panel layout
- Report generation

Duration: 40 hrs
Revit MEP

- Introduction
  - MEP Design
  - Revit MEP
- Work sharing
- Family Creation
  - Solid Modeling
  - Equipment
  - Light Fixture
  - Devices
- HVAC Design
  - Heating and Cooling Load Analysis
  - Logical Systems
  - Mechanical System and Duct Work
  - Mechanical Piping System
- Inspect System
- Electrical Design
  - Lighting Analysis
  - Power and Communication Design
- Plumbing Design
- Fire Protection System
- Schedules
- Documentation
- Sheet Setting
- Printing

Courseware Issued:
Revit MEP
- Reference Guide

Duration: 80 hrs
Navisworks

Courseware Issued:
- Navisworks
- Reference Guide

- Introduction About Autodesk Navisworks Manage
- Review the Model
- Object Attributes
- Create and use set of Objects
- Manipulate Object Attributes
- Transform Objects
- Measure tools
- Links
- Navigate the scene
- Clash Detection
- Clash Detection
- Timeliner

- Timeliner Costs
- Animator
- Use Animator for Soft Clashing
- Scripter
- Quantification Tool
- Perform Model Takeoff
- Perform Virtual Take off
- Update and Analyze data
- Adding Materials to a Model
- Material Mapping
- Lighting
- Sun and Sky Lights
- Photorealistic Rendering

Duration: 24 hrs
Ansys Civil

- Introduction Structural Engineering
- FEM
- Civil FEM Setup
- Modelling in ANSYS
- Loads
- Solve
- Civil Post processing
- LS Files
- Load Combination
- Concrete Design
- Modelling

- Slab Design
- Prestressed Concrete Design
- Bridge Design
- Geotechnical Module
- Seismic Design
- Steel Design

Courseware Issued:
Ansys Civil
• Reference Guide

Duration: 40 hrs
Bentley
AECOsim Building Designer

Courseware Issued:
AECOsim Building Designer
• Reference Guide

• AECOsim User Interface
• Different Modules in AECOsim Building Designer
• Working with AECOsim Architectural Building Designer
• Federated Models of the Project
• Creating UCF and PCF
• Configuring grids and floors
• Drafting and Modifying Tools
• Creating an Architecture Model
• Creating dynamic views of the model
• Part & Families
• Drawing templates
• Working with content libraries
• Importing and exporting models
• Rendering

Duration: 100 hrs
The course that makes all the difference in landing a job

We offer:

- Mechanical Product Design
- Mechanical Product Analysis
- Aerospace Design
- Automotive Design
- Land Survey & Transportation Design
- Building Design
- Architectural Design
- Structural Design
- Electrical CADD
- Project Planning & Management
Dear Students,

We would like to keep you updated on the deliverables of CADD Centre and the important steps to be taken during various stages of your course right from the enquiry till the course completion.

1. **DURING ENQUIRY**
   - Confirm that the centre has a valid “Authorisation Certificate” issued by CADD Centre Corporate Office, Chennai
   - Have the course objectives explained to you in detail
   - Obtain the course summary brochure for future reference
   - Have a demonstration of key features of the software
   - Look for the “Certificate of Expertise”, given to the centre, to assure its technical expertise
   - Choose the course from course summary brochure based on your suitability
   - Visit www.caddcentre.com to know more details

2. **DURING ENROLLMENT**
   - Pay as per the prescribed course fee; collect the receipt for fee with applicable tax paid
   - **Activate your student ID** by clicking the link sent to your email
   - Check your email account and **collect your unique student ID**, it is must for your certification and for future reference
   - Maintain the email received for your future reference
   - Refer your unique Student ID for your future communications with CADD Centre

3. **DURING THE DELIVERY OF COURSES**
   - Get the CADD Centre Privilege card to avail reference schemes
   - Collect CADD Centre’s reference guide at the beginning of the course
   - Know day-wise course break up containing complete syllabus
   - Have theory & practical training from a qualified instructor
   - Fill online feedback form through www.caddcentre.com

4. **ON COMPLETION OF THE COURSE**
   - You will receive your digital certificate on your registered email ID
   - Verify your certificate at www.caddcentre.com with your student ID

For further clarifications/assistance/concerns, please write to customer care at feedback@caddcentre.com or Toll free number 1800 - 425 - 0405 (between 9am to 6pm).

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**CADD Centre**

www.caddcentre.com

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