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# CERTIFICATE OF COMPLETION



IN : Professional in Building Design

AWARDED TO : ARUNKUMAR S

AT : CADD Centre Training Services, Erode, Brough Road

DURING : June-2018 STUDENT ID No. : A170644309

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MANAGING DIRECTOR

Adhavan S

CENTRE HEAD

24 - 09 - 2018

DATE OF ISSUE



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An ISO 9001 - 2008 Certified Company

STUDENT NAME: ARUNKUMAR S  
CERTIFIED IN : **Professional in Building Design**

STUDENT ID No.: A170644309



### Topics Covered

Introduction to Structural Engineering  
Introduction to STAAD.Pro V8i  
Model Generation and Editing  
Assigning loads, Load Combinations  
Concrete Design  
Column and Beam design  
Seismology  
Dynamic Analysis using Response Spectrum  
Water Tank Design  
Slab Design  
Staircase Design  
Shear wall Design  
Bridge Deck design using STAAD.Beava  
Steel Design - Steel Frame Structure Design  
Steel Structure design with Pushover Analysis  
Report Generation and Plotting  
Introduction to BIM & Revit Architecture  
Place and modify Walls & Complex Walls  
Add and modify wall Profiles  
Dimensions and Constraints  
Create Floors and Ceilings  
Curtain Walls & Stairs  
Conceptual Models  
Annotation & Schedules  
Structural Elements  
Sheets and Title Blocks  
Views, Camera, Walk through, Render & Solar Study  
Family Creation  
Site Design  
Link Projects & Collaboration  
Realistic Presentations  
Import & Export

Introduction to CAD industry  
Drawing settings  
Orthographic drawings  
Isometric drawings  
Editing the drawings  
Annotations and dimensions  
Layer management  
Project planning and management: an overview  
Creating and updating repeated elements  
Parametric drawings  
Preparing joinery details / BOM  
Presenting the project  
Layout management  
Scale setting and plotting  
Import and Export

**Project :** Independent project work with expert assistance

**Concept/Software taught :** STAAD.Pro , Revit Architecture , AutoCAD 2D

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