

STUDENT NAME: M.VASU

STUDENT ID: IID191113001

CERTIFIED IN: Masters in BIM

TOPICS COVERED:

EXPECTED SKILLS

TOPICS COVERED

BIM concepts
Floor plan
BIM - Architecture
BIM - Structure
BIM - MEP
Steel design & detailing
Estimation and Costing
Design review
Scan to BIM
Construction management
BIM 360

BIM concepts

Required Skills in BIM
Resources and Support systems
BIM Execution Plan
BIM Goals and Uses
BIM usage and Real-world
BIM Management techniques
LOD and return on BIM investment
BIM Standards

Floor plan

Hatching utilities
Dimensions/Style manager
Parametric modeling
Dynamic block
Attributes
External reference
OLE concepts
Creation of building plan

Software used

AutoCAD
Pc architect

BIM – Architecture, Structure, MEP

Complete parametric modeling
Adding architectural featured building design
3D Architectural Designing
Generating schedule report
Modeling steel structure
Drawing & Report Generation
Advanced design Visualization
Fabrication detailing

Software used

Revit

Steel design & detailing

Structural modeling
Reinforcement detailing
Analytical Models generation
Creating connection
Detailing Connection
Macro Connection
Drawing & Report Generation

Software used

Tekla

Estimation and Costing

Working Sample Problem
Abstract Estimate
Detailed Estimate
Bill of quantities

Software used

AutoScan
AutoSteel

Design review

Collaborating revit files
Finding clashes in projects
Timeliner
Quantification

Software used

Navisworks

Scan to BIM

Review of Scanned data
Modeling BIM idea
Estimating BIM elements
Comparison chart of construction process
LOD specifications

Software used

Revit

Construction management

Schedule the project
Assigning constraints to a project
Optimizing the project
Baseline the project
Executing the project
Creating reports
Customizing projects

Software used

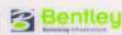
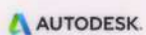
Primavera

BIM 360

Feature within Revit for Revit users
Access Revit Models as Normal
Communicating Easier
Synchronizing with Central
Sharing Revit Models and Views

Software used

BIM 360



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