



## **MASTER'S IN BIM MANAGEMENT COURSE**

Explore the Advance principles, BIM processes & tools of (BIM) & its application in the various industry. Learn leading BIM software, project management & collaboration techniques to manage BIM projects & team effectively.



## **Contact Us**

**P:** +91 9960613683 **E:** [classes@bimmantra.com](mailto:classes@bimmantra.com) **W:** [www.bimmantra.com](http://www.bimmantra.com)

**A:** 1st Floor, Prime Landmark Building, off NIBM Road, Kondhwa, Pune, Maharashtra 411048.

# MODULES OFFERED

## MODULE 1

### Introduction

History and evolution of BIM, benefits, and challenges  
BIM software tools & future of BIM and new trends in AEC

## MODULE 2

### Basic of BIM Modeling

1. Information of Architectural, Structural and MEPF BIM
2. Modeling concept.
3. Importing and linking of .dwg files.
4. Introduction Building Elements and Revit

## MODULE 3

### Revit Schedule & Quantities

1. Creating Rebar Elements.
2. Placing Rebar.
3. Modifying Reb.
4. Rebar schedules.
5. Rebar Annotations.
6. Detailing views.
7. Bar bending schedules.
8. Take off quantities.

# MODULES OFFERED

---

## MODULE 4

### Central file & Work sets

1. Collaboration & Co-ordination.
2. Annotations & Dimensions.
3. Shop Drawings & BOQ.
4. Documentation & Export.
5. Family Creations.

## MODULE 5

### Revit Data Management

1. Revit Data inside BIM Model such as Project
2. parameters, shared parameters and Global.
3. Design Option, Links, Types of phases,
4. Add-in setups for automates Revit task.

## MODULE 6

### GFC Drawings in Revit

1. Detailed Sheet Creation.
2. Import and Export.
3. Standard format and print setup.
4. GFC Drawings at LOD 400 Level and issue for construction.

# MODULES OFFERED

## MODULE 7

### Introduction to advance BIM Concepts & Concept of 4D/5D

1. BIM Levels.
2. ROI.
3. EVA, and real time monitoring.
4. 4D and 5D BIM data in Revit model.

## MODULE 8

### BIM Interoperability & Open BIM

1. Co-ordination and Interoperability among different BIM Software and workflow.
2. CoBie Data exchange and asset Data.
3. CoBie Spreadsheet.
4. CoBie Format for integration.

## MODULE 9

### Introduction to BIM Coordination

1. What is BIM Coordination.
2. Scope of Coordination in different services.
3. Clash Detection.
4. Clash Matrix.
5. Managing BIM Meetings.
6. QA and QC of BIM Data as per BIM or ISO19650 standard.

# MODULES OFFERED

## MODULE 10

### Importance of CDE and BIM standards

1. About various CDE Platform like ACC,
2. BIM 360, ProjectWise.
3. Trimble Connect and Aconex Etc.
4. ISO19650, various Part and its importance.
5. BIM Protocol and BIM data formats.

## MODULE 11

### Talks about advance BIM 6D and 7D.

1. Sustainability of BIM Models and how to perform the facility management using BIM data.

## MODULE 12

### Digital Twin and AR / VR

1. Concept and Live Demo on how digital twin works in AEC and AR /VR

## MODULE 13

### Scan to BIM – How its works.

1. What is Point Cloud data and format types like .e57, .rcs, .rcp, .pod etc.
2. Types of scanners use in this workflow.
3. Demo on how to perform Scan to BIM Model.

# MODULES OFFERED

## MODULE 14

### Scan to BIM (Recap)

1. Understanding the point cloud data & recap user interface.
2. Prepare Point Cloud Data, Import Point Cloud Data into ReCap.
3. Import Point Cloud Data in Revit, Work with Point Cloud.
4. Data, Visibility and Display, Further Processing.

## MODULE 15

### BIM Based Project Management

1. Introduction of project management on ACC.
2. Installing & understanding user interface of software.
3. Understanding WPS, activity & Resources uses.

## MODULE 16

### BIM Projects use cases and its importance in AEC.

1. BIM are widely use in various sectors like AEC, Automobile, Oil & Gas.
2. Now days most of IT Companies require the BIM.
3. Professional to work on BIM Data.
4. Cost Importance and Time saving

## MODULE 17

### Autodesk Construction cloud (ACC)

1. Introduction to ACC and how to implement BIM Project on cloud as HUB.
2. Permission Level, Data Setup, Member permission etc.

# COURSE FEES

It's essential to understand the immense value that this advanced qualification offers. BIM is transforming the architecture, engineering, and construction (AEC) industry, enabling professionals to collaborate more effectively, optimize resources, and streamline project workflows. By enrolling in this master's program at BIM Mantra Academy, students will gain expertise in managing digital representations of physical assets throughout their life cycle, from design to maintenance.

BIM Mantra Academy offers a highly specialized curriculum that is designed by industry experts, ensuring students are equipped with the latest knowledge and skills. Through a combination of theoretical understanding and hands-on practice, students will develop proficiency in leading BIM software, preparing them for high-demand roles in construction and infrastructure projects.

While the investment in this program is a key consideration, the career opportunities it opens and the advanced skillset it provides make it a valuable decision. By choosing BIM Mantra

<b>Master's in Building Information Management (BIM)</b>	
<b>DURATION</b>	4 Months
<b>COURSE FEES</b>	<b>INR 99,999</b>

## Contact Us

**P:** +91 9960613683 **E:** [classes@bimmantra.com](mailto:classes@bimmantra.com) **W:** [www.bimmantra.com](http://www.bimmantra.com)

**A:** 1st Floor, Prime Landmark Building, off NIBM Road, Kondhwa, Pune, Maharashtra 411048.