



# SMART BIM DESIGN WITH AI

## 3-DAY HANDS-ON SHORTCOURSE

Upgrade your BIM workflow with AI-powered design methods. Learn how Revit and AI tools work together to improve modelling, documentation, visualization, and project delivery.



TVET  
Smart Choice  
Bright Future



FOR  
STUDENTS



FOR  
PROFESSIONALS



FOR  
TEAMS



Shortcourse  
Programme

# SMART BIM DESIGN WITH AI



## ABOUT THIS SHORTCOURSE

This 3-day intensive shortcourse introduces participants to Revit-based BIM workflows enhanced with AI technologies.

You'll learn how to design smarter, model accurately, document efficiently, and create stunning visualizations with the power of AI and BIM.

Ideal for designers, architects, and construction professionals who want to upgrade their skills and stay ahead in the modern design industry.



## WHO SHOULD JOIN



Interior Designers



Fresh Graduates



Architects & Draughtspersons



Construction Professionals



Contractors & Renovation Businesses



Anyone wanting to upgrade BIM skills



## COURSE HIGHLIGHTS



### AI + BIM Workflow

Integrate AI with Revit for smarter and faster design



### Accurate 3D Modelling

Build precise architectural models with confidence



### High-Quality Visualization

Create realistic renders and presentations quickly



### Smart Documentation

Automate drawings, schedules and BOQ for better delivery



## LEARNING OUTCOMES

01

Understand how AI and BIM (Revit) work together in real-world design.

02

Use AI tools in Revit to speed up drafting, modelling and documentation.

03

Improve accuracy and reduce design errors with AI-assisted workflows.

04

Create photorealistic renderings and animations using Revit models.

05

Produce architectural models, views, schedules and basic working drawings.

06

Extract quantities and create BOQ with AI for better project planning.



## TRAINING AT A GLANCE



### DURATION

3 Days  
(10:30am – 5:30pm)



### MODE

Hands-On Training



### CERTIFICATION

MTTC Completion Certificate



### SCHEDULE

Refer MTTC website or request for 1 : 1 session

## DAY 1

### BIM + AI Fundamentals

- BIM methodology
- AI integration
- Revit modifying tools
- View management

## DAY 3

### AI Costing + Presentation

- BOQ extraction
- AI renovation costing
- Material suggestions
- Rendering & walkthrough
- AI presentation enhancement

## DAY 2

### BIM Model Development

- Walls, doors, windows
- Levels & grids
- Floors & ceilings
- Documentation
- AI annotations & schedules

### PJ CAMPUS



Block B, Level 3,  
Menara Harvey Norman,  
46100 Petaling Jaya,  
Selangor

03-7931-3139

### JB CAMPUS



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Iskandar, 81550 Iskandar  
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