

COURSE TEMPLATE

Application Details

| | |
|----------------------|---|
| *Category | INDUSTRY_SPECIFIC |
| *Focus Area/Industry | CONSTRUCTION |
| *Sector | Other specialized construction activities |

Course Details

| | | | |
|-----------------------------------|--|---|--|
| *Course Name | Autodesk Construction Cloud - BIM Collaborate | | |
| *Course Overview | This training provides a comprehensive introduction to Autodesk BIM Collaborate, focusing on cloud-based model coordination and issue management. Participants will learn how to aggregate models, conduct clash detection, track issues, and streamline design collaboration workflows directly within Autodesk Construction Cloud. The course covers Coordination Spaces, clash detection processes, issue tracking, and collaboration best practices to enhance multidisciplinary project efficiency. | *Course Objective | This training aims to equip participants with the knowledge and skills to effectively use Autodesk BIM Collaborate for cloud-based model coordination and issue management. Participants will learn to set up project coordination workflows, perform clash detection, track and manage issues, and enhance collaboration using shared models and issue resolution tools. By the end of the course, they will be able to streamline multidisciplinary coordination, improve project quality, and optimize design workflows in a cloud-based environment. |
| *Target Group (By designation) | BIM Managers & Coordinators Architects, Engineers & Designers Project Managers, Consultants & Design Review Teams Owners, Clients, & Asset Managers | Minimum Training Requirement! (If any) | |

| *Course Learning Outcome (CLO) | *CLO Statement | | *Learning Domain |
|--------------------------------|---|--|---------------------|
| | Upon completion of this course, participants will be able to: | | |
| | CLO 1 | Explain the Autodesk Construction Cloud (ACC) ecosystem, including BIM Collaborate and its role in cloud-based design coordination. | Knowledge - Level 3 |
| | CLO 2 | Differentiate between BIM Collaborate and BIM Collaborate Pro, including workflow functionalities, licensing, and access management. | Knowledge - Level 4 |
| | CLO 3 | Configure and manage project environments in ACC, including creating projects, setting up teams, and defining folder permissions | Skill - Level 5 |
| | CLO 4 | Utilize Design Collaboration tools to create, share, and consume design packages, track model versions, and visualize changes | Skill - Level 5 |
| | CLO 5 | Perform model coordination workflows, including model aggregation, clash detection, and clash view management. | Skill - Level 6 |
| | CLO 6 | Track and manage design issues across multiple models and teams using issue assignment, tracking, and resolution workflows. | Skill - Level 6 |
| | CLO 7 | Foster collaboration by effectively communicating design changes and resolving issues using notifications and coordination reports. | Attitude - Level 4 |
| | CLO 8 | Adopt best practices in BIM coordination and issue management to minimize errors and improve project efficiency. | Attitude - Level 5 |
| | CLO 9 | Promote proactive problem-solving and accountability by ensuring timely resolution of clashes and coordination issues | Attitude - Level 5 |
| | CLO 10 | | |

Mapping of Training Modules and CLO

| *Module | *CLO | *Theory Duration (Hours) | *Practical Duration (Hours) | Total Hours | Practical Elements (if any) |
|--|---------|--------------------------|-----------------------------|-------------|-----------------------------|
| Module 1: Introduction to Autodesk Construction Cloud (ACC) • What is Autodesk Construction Cloud • Overview of ACC Ecosystem (Docs, BIM Collaborate, Build, Takeoff, Insight) • Key Terminologies & Roles | 1,2 | 1 | | 1 | |
| Module 2: Introduction to BIM Collaborate • What is BIM Collaborate vs. BIM Collaborate Pro? • How BIM Collaborate Workflow Conduct in ACC • Platform Licensing & Access • ACC Project Setup & Navigation | 2 | 1 | | 1 | |
| Module 3: Project and Account Administration • Account Admin vs. Project Admin roles • Creating and managing projects in ACC • Setting up folders and permissions • Understanding project templates | 3 | 1 | 0.5 | 1.5 | |
| Module 4: Design Collaboration Workflow • Creating and managing teams & workspaces • Publishing Revit models to the cloud • Packages: Creating, sharing, and consuming • Change visualization and design comparison • Model version tracking and history | 4,7 | 0.5 | 1 | 1.5 | |
| Module 5: Model Coordination Workflow • Overview of Model Coordination module • Model aggregation and clash detection • Creating and managing clash views • Assigning and tracking issues • Coordination reports and collaboration | 5,8,9 | 0.5 | 1 | 1.5 | |
| Module 6: Issue Management & Collaboration Tools • Creating and managing Issues (Design & Coordination) • Linking issues across modules • Communication and notifications in ACC • Manage Issue using Naviswork and Revit | 6,7,8,9 | 0.5 | 1 | 1.5 | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | 0 | |

[illegible]

PRACTICAL CENTRIC:

Mapping of CLO with Training Strategies and Assessment Method

| *CLO | *Training Strategy | *Assessment Method | *Assessment Weightage (%) |
|------|--------------------|------------------------|---------------------------|
| | 1 Lecture | Demonstration | 5 |
| | 2 Lecture | Demonstration | 5 |
| | 3 Hands-on | Demonstration | 5 |
| | 4 Group Activity | Demonstration | 15 |
| | 5 Hands-on | Demonstration | 10 |
| | 6 Group Activity | Demonstration | 10 |
| | 7 Group Activity | Demonstration | 15 |
| | 8 Hands-on | Demonstration | 15 |
| | 9 Hands-on | Demonstration | 15 |
| | | Total Weightage | 100 |

Note: