VDC ENGINEERS

— VIRTUAL DESIGN & CONSTRUCTION —

Centre of Excellence in BIM, VDC & Digital Engineering



BIM TRAINING SERVICES

Transforming Careers Through Digital Construction Learning

- JOB ORIENTED COURSES
- PROJECT-BASED LEARNING
- CAREER SUPPORT

1500+	50+	6+	14+
PROFESSIONALS TRAINED	PROJECTS DELIVERED	COUNTRIES SERVED	YEARS EXPERIENCE



VDC Engineers provides industry-oriented **BIM, VDC** and **digital engineering training** for students, graduates, site engineers, and working professionals. Our programs cover **BIM modeling, coordination, management, ISO 19650** workflows, **4D/5D** planning, and end-to-end **digital delivery** for the construction industry.

PEOPLE • PROCESS • TECHNOLOGY

www.vdcengineer.com

WHY BIM?
THE FUTURE OF CONSTRUCTION



Building Information Modeling (BIM) is the digital backbone of modern construction. It combines intelligent 3D models with project information to improve design decisions, coordination, planning, construction, and operations. BIM is not just software — it is a methodology that transforms how buildings are designed, delivered, and managed.

Global demand for BIM professionals is growing across India, UAE, Saudi Arabia, UK, USA, and Canada.

WHO SHOULD JOIN?

- Students
- Fresh Graduates
- Experienced Professionals
- Site Engineers
- Project Managers & Design Managers

Ideal for engineering, architecture, diploma, and construction professionals who want to become job-ready in BIM and digital delivery.

OUR TRAINING PHILOSOPHY

1. Industry Experts
Learn from experienced BIM professionals with real project exposure.

2. Project-Based Learning
Practice with real building and infrastructure scenarios.

3. Flexible Learning
Online, classroom, and hybrid options to suit your schedule.

4. Career Support
Certificate, resume guidance, portfolio review, and interview preparation.

5. ISO 19650 Compliant
Training aligned with international BIM and information management standards.

6. Global Community
Join a growing network of learners and professionals.

VDC ENGINEERS

BIM MODELING COURSES

From Modeler to BIM Specialist — Build Skills. Deliver Excellence.



01 1. ARCHITECTURE MODELING

Duration: 4–6 Weeks | Level: Beginner to Intermediate

MODULES

- Architectural modeling & space planning
- Drawings, documentation & sheet setup
- Custom families & templates
- Real project workflows & coordination

BEST FOR
Students, fresh graduates, architects

OUTCOME
Job-ready Architectural BIM Modeler



02 2. STRUCTURAL MODELING

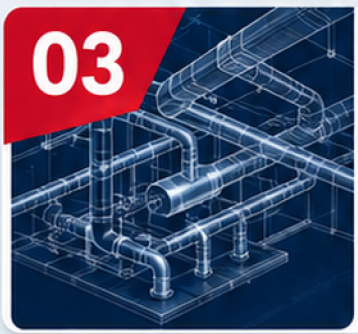
Duration: 4–6 Weeks | Level: Beginner to Intermediate

MODULES

- RCC & steel structural modeling
- Foundations, columns, beams, slabs & walls
- Structural drawings & documentation
- Rebar basics and coordination

BEST FOR
Students, fresh graduates, civil / structural engineers

OUTCOME
Job-ready Structural BIM Modeler



03 3. MECHANICAL MODELING (MEP)

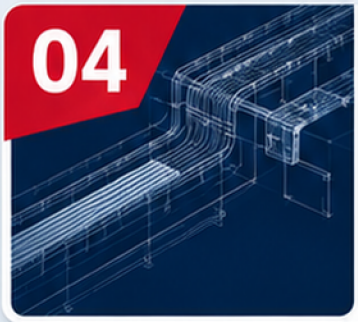
Duration: 8–10 Weeks | Level: Beginner to Intermediate

MODULES

- HVAC ductwork & piping systems
- Water supply, drainage & PHE
- Fire protection systems
- MEP coordination, documentation & families

BEST FOR
Students, fresh graduates, mechanical / production engineers

OUTCOME
Job-ready MEP BIM Modeler



04 4. ELECTRICAL MODELING

Duration: 6–8 Weeks | Level: Beginner to Intermediate

MODULES

- Lighting, power & LV systems
- Cable tray routing & panel schedules
- Electrical coordination
- Drawings, families & load analysis

BEST FOR
Students, fresh graduates, electrical / electronics engineers

OUTCOME
Job-ready Electrical BIM Modeler

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BIM FOR SITE ENGINEERS & MANAGERS

Specialized Programs for Construction Professionals



5. BIM FOR SITE ENGINEERS — FUNDAMENTALS

Duration: 4 Weeks | **Level:** Beginner

MODULES

- Introduction to BIM & digital construction workflows
- Reading and navigating BIM models
- 3D model-based quantity takeoff
- 4D simulation basics
- Site planning & logistics

BEST FOR

Site engineers, construction supervisors, project coordinators

OUTCOME

BIM-aware Site Engineer



6. BIM FOR CONSTRUCTION MANAGERS

Duration: 6 Weeks | **Level:** Intermediate

MODULES

- BIM-enabled project management
- 4D construction simulation
- 5D cost management
- Clash detection & site coordination
- Digital handover & as-built documentation

BEST FOR

Construction managers, project managers, site engineers

OUTCOME

BIM-Enabled Construction Manager



7. BIM FOR PROJECT MANAGERS

Duration: 6 Weeks | **Level:** Intermediate to Advanced

MODULES

- BIM strategy for projects
- BEP & EIR compliance
- Stakeholder management
- Risk management through BIM & digital twins
- Performance metrics & BIM ROI

BEST FOR

Project managers, design managers, BIM champions

OUTCOME

BIM-Savvy Project Manager



8. BIM FOR DESIGN MANAGERS

Duration: 6 Weeks | **Level:** Advanced

MODULES

- Design coordination & model management
- Design review workflows
- BIM standards & compliance
- Design change management
- Leading BIM-enabled design teams

BEST FOR

Design managers, lead architects, senior engineers

OUTCOME

BIM-Enabled Design Manager



ADVANCED BIM & MANAGEMENT COURSES

Elevate Your Career — From Specialist to Leader



9. MULTI-DISCIPLINARY MODEL COORDINATION

Duration: 3–4 Weeks | Level: Intermediate

MODULES

- Model federation & integration
- Clash detection, reporting & resolution
- Spatial coordination & clearance analysis
- Model quality audits
- Coordination meetings & issue management



BEST FOR
Senior BIM modelers, BIM experts, diploma and engineering professionals

OUTCOME: BIM Lead / BIM Coordinator

10. 4D / 5D BIM SIMULATION

Duration: 8–10 Weeks | Level: Advanced

MODULES

- Construction sequencing & time-linked models
- Model-based quantity takeoff & cost estimation
- Schedule integration & progress simulation
- Resource planning & logistics optimization
- Earned value analysis



BEST FOR
Project managers, planners, cost engineers, site engineers

OUTCOME: 4D / 5D BIM Specialist

11. ISO 19650 & BIM MANAGEMENT

Duration: 4–6 Weeks | Level: Advanced

MODULES

- ISO 19650 standards & information management
- BEP & EIR
- CDE setup & management
- Roles, responsibilities & information delivery
- Compliance auditing



BEST FOR
BIM managers, information managers, project leads

OUTCOME: ISO 19650 BIM / Information Manager

12. DIGITAL TWIN & BIM LEADERSHIP

Duration: 6–8 Weeks | Level: Advanced

MODULES

- Digital twin concepts & AIM
- IoT and real-time data connectivity
- Facility management through BIM
- Sustainability & energy analysis
- Strategic BIM leadership



BEST FOR
BIM directors, digital transformation leads, senior management

OUTCOME: BIM Leader for digital transformation

VDC ENGINEERS

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WHAT OUR STUDENTS ARE SAYING

Featured student feedback and Google Business reviews

★★★★★

JAYANTH

5-star student review

I would like to thank VDC Engineers Institute for helping me build a strong foundation in BIM and Autodesk Revit. The practical training, expert guidance, and industry-oriented approach made learning easy and enjoyable. The knowledge and skills I gained have given me the confidence to pursue a career in the BIM industry. I am grateful to the entire VDC Institute team for their support, and I highly recommend them to anyone looking to start or advance their career in BIM.

1 PRACTICAL LEARNING

Real project workflows, guided exercises and job-oriented assignments.

2 EXPERT GUIDANCE

Industry-focused mentoring, portfolio review and career direction.

3 CAREER CONFIDENCE

Skills that help learners transition into BIM and digital delivery roles.

READ OUR GOOGLE BUSINESS REVIEWS

Scan the QR code or use the clickable link in the Word/PDF brochure to view current ratings and student feedback for VDC Engineers, Vijayawada.

VDC Engineers - Vijayawada

VDC ENGINEERS

VIRTUAL DESIGN & CONSTRUCTION

START YOUR BIM CAREER JOURNEY

From fundamentals to coordination, management and digital delivery

Student / Fresh Graduate → **BIM Modeler** → **BIM Coordinator** → **BIM Manager** → **BIM Director**

ELIGIBILITY

- B.E. / B.Tech. / B.Arch / Diploma
- Civil, Architecture & Structural Engineering
- Mechanical / Production Engineering
- Electrical / Electronics Engineering
- Site Engineers, Managers & Working Professionals

WHAT YOU GET

- 100% job-oriented short-term courses
- Project-based training on real building workflows
- CV, portfolio and interview support
- Career counselling and placement guidance
- ISO 19650-aligned information workflows
- Online, classroom and hybrid options

GET IN TOUCH

- VDC Engineers - MG Road, Labbipet, Vijayawada - 520010
- Phone / WhatsApp: +91 79959 13997
- Email: info@vdcengineer.com
- Website: www.vdcengineer.com
- Mon-Fri: 9:00 AM-6:00 PM | Sat: By appointment

SCAN TO VISIT WEBSITE

Website