

IIT Guwahati



2024

BUILDING INFORMATION MODELING (BIM)

ADVANCE THE COURSE IN JUST 6 MONTHS

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INTRODUCTION

- **Electronics & ICT Academy Indian Institute of Technology Guwahati (IIT Guwahati).** As an initiative of Ministry of Electronics & Information Technology (MeitY), the Academy was setup at IIT Guwahati under the scheme of “Financial Assistance for setting up Electronics and ICT Academies”.
- **On 26 March, 2015 the project started at IIT Guwahati and the Academy was inaugurated by Prime Minister Shri. Narendra Modi on 19 January, 2016.** The objective of the Academy is to provide skill training to the Faculty Members (Engineering & Non-engineering) in the area of recent trends in engineering & ICT application.
- **The Academy is designing specialised modules for imparting quality training for enhancing employability and capacity building in the area of Electronics & ICT.**
- **In the past 7 years the Academy has successfully conducted 400+ Programme through conventional classroom teaching and NKN/virtual classroom mode in different Institute/University of North Eastern States in particular and few in other states of India.**
- **Till date the Academy has successful trained 20000+ participants.** The Academy has also signed MoU with Institutes/Universities for hosting the programmes and for conducting hands-on session the Academy collaborated with Industries as Training/Industry Partners.
- **The Academy is also offering online Advance Certification Course in the area of Data Science, Artificial Intelligence & Machine Learning, Big Data, Cloud Computing, Full Stack, UI/UX and VLSI Design and trained 2000+ graduates and working professionals.**
- **The Academy has also delivered training to 140+ Assam Police and Indian Navy official on cybercrime concepts and Data Science.**

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GET AHEAD BY DOING

01. LEARN

Attend live session with industrial expert mentors

Activities and assignments should be used to reinforce your learning

Receive personalized feedback and a quick response to your inquiry



02. PRACTICE

Perform assignment and projects guided by Experts

Expert feedback and detailed reports will help you to map your skill development

03. ACHIEVE

Help in portfolio creation and optimise your LinkedIn

Upon completion of the course, prepare yourself for placement

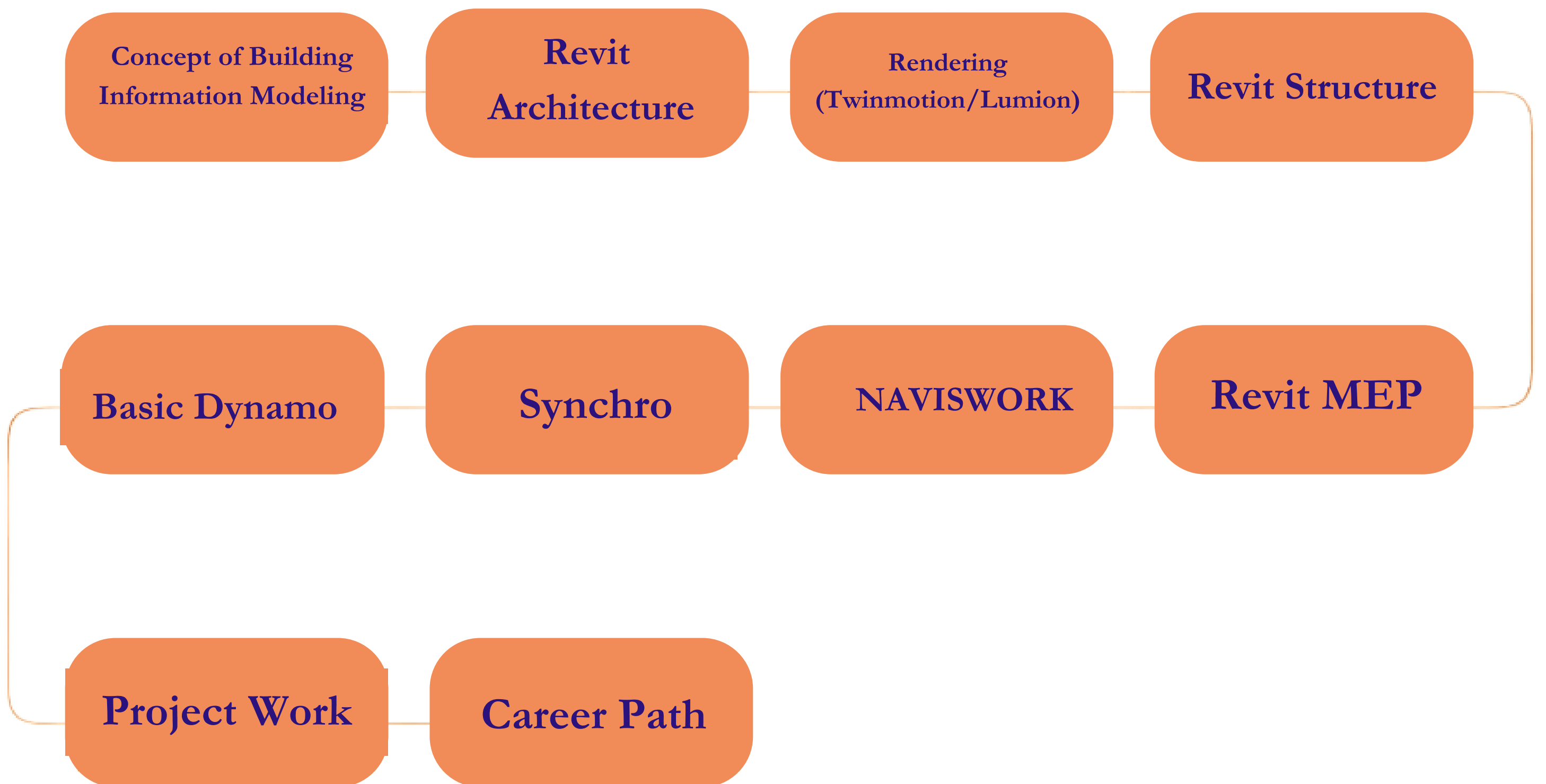
Get mock interview and job opportunities through our network of hiring partners



COURSE STRUCTURE & SCHEDULE

Live classes are held twice a week on Wednesday and Saturday, from 7:30 PM IST to 10:30 PM IST. In addition, recorded lessons are made available throughout the week with small activities.

Learners are expected to put in a minimum of 7-8 hours of effort in a week to fully grasp and apply the concepts of BIM.



COURSE STRUCTURE & SCHEDULE

BIM INTRODUCTION

- BIM:what,why,where?
- Collaborations & IPD
- Scan To BIM Concept
- Stages of BIM Modelling

REVIT ARCHITECTURE

- Introduction to REVIT
- Camera, Render, walkthrough
- Annotation of the Documents
- Project Collaboration
- Parametric Family Modeling & more

REVIT STRUCTURE

- Drawing and Modifying Structural Elements
- Rebar Detailing
- Truss, Bracing, and Steel Connection
- Structural Reinforcement
- Preparing Project for Structural Analysis & more

COURSE STRUCTURE & SCHEDULE

● REVIT MEP

- Understanding MEP Works in a Building structure.
- Understanding MEP Networking &
- Routing
- Working with Plumbing and piping tools.
- Working with Electrical equipment in Revit
- Creating piping routes & more

● NAVISWORK

- Understanding BIM Coordination
- Theory
- Creating coordination Model
- Timeliner & 4D Simulation
- Reviewing and Doing QC in
- Navisworks
- Usage and workflow of BIM with
- Navisworks & more

● SYNCHRO

- Model & schedule importing into Synchro
- Linking of Model with schedule
- Synchro Dashboard
- Creation of animation
- Report generation & more

COURSE STRUCTURE & SCHEDULE

DYNAMO

- Components of Dynamo
- Adaptive Components
- Surface Rationalisation
- Plugins
- Python Scripting & more

RENDERING

- Creating and comparing conceptual
- Cost estimation
- Reusing preliminary cost estimates
- Creating detailed quantity take-off
- 4D simulation & Construction
- Planning
- Segmenting elements to model
- Location & more



BONUS OFFERS

- **1-month internship provided**
- **Placement assistance**
- **Portfolio development**
- **Personal grooming**
- **Market ready for the interview**

PRICE



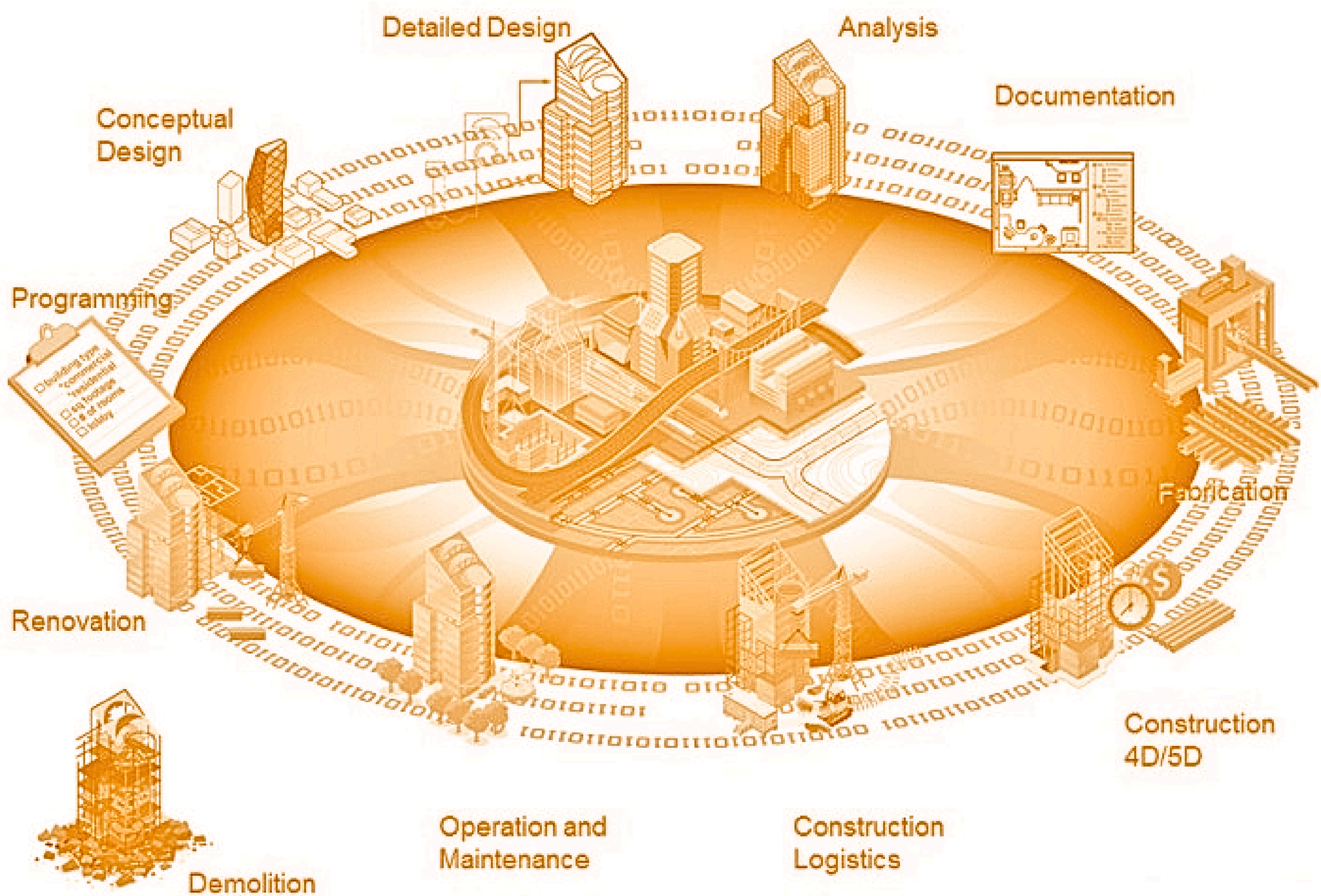
₹ **69,999 + GST**



COURSE REQUIREMENTS

- Zero to basics knowledge of BIM & AEC industry
- A good Laptop/Computer with 100 GB free space, 4GB and above RAM
- At least 2GB Graphics Card
- A good internet speed
- Willing to learn New Concepts





Project On

- Modelling of Residential Building
- Modeling of Industrial Shed
- Clash Detection & Removal of Clashes after Collaboration of Architectural, Structure & MEP File



WHY THIS COURSE?

- The Program Equips Students with the Skills and Attributes Required To Be Effective Civil Engineers And the Aec Industry.
- Extensive knowledge In The Field Of BIM management And AEC Industry Which Is The Need Of Any Construction Company
- It Makes the graduate ready to develop applications, make appropriate decisions, and expand their business to compete with the existing and prospective rivals with the knowledge acquired during the course period



COURSE OUTCOME



- WILL MAKE STUDENTS SKILLED AND JOB-READY
- BASICS TO ADVANCED
- KNOWLEDGE ABOUT REVIT ARCHITECTURE AND STRUCTURE
- HANDS ON TRAINING IN NAVISWORKS AND CAD
- RECIEVE A CERTIFICATE



OUR ALUMNI WORK AT SOME OF THE MOST REPUTED AND PRESTIGIOUS COMPANIES IN THE AEC INDUSTRY. NOTHING GIVES US MORE JOY THAN SEEING THEM SUCCEED,

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Placement
Success Rate

107%

Average
Salary Hike

343%

Highest
Salary Hike

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Turner & Townsend

studiolotus

Colliers

Stantec

THE BIM ENGINEERS

COWI

TECHTURE

ZYETA

TotalEnvironment

egis

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Congratulations on your placement! We at Protrainy company are thrilled to see you succeed and can't wait to see all the amazing things you will accomplish in your new role. Well done!
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Name: Pratik Deore
Placed at : Skeingear Nashik
Upskilled from our BIM course

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Congratulations on your outstanding achievement in securing a placement! Your dedication and hard work have paid off, and we at Protrainy are incredibly proud of your accomplishment. We have no doubt that you will make a significant impact in your new role, and we look forward to witnessing your success. Once again, congratulations on this well-deserved achievement!

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Name: Shivam verma
Placed at : Callidus company
Upskilled from our Site Engineering course.

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