



**E&ICT Academy
IIT Guwahati**



Advanced Certification in Building Information Modelling (BIM)



**Approved By
All India Council For Technical Education
AICTE(NEW DELHI)**

Introduction

The Rising Demand for Building Information Modelling Civil Engineers

The construction industry is experiencing rapid evolution, fueled by technological advancement and innovations, urbanization, and increasing global infrastructure investments. BIM is at the heart of this digital transformation, ensuring efficient project execution while embracing technology at its core.

Key Industry Insights and Growth Trends

Market Size and Growth:

- BIM in Construction Market Size is expected to reach USD 15.24 Billion by 2033. BIM in Construction Market industry size accounted for USD 3.32 Billion in 2023 and is expected to expand at a compound annual growth rate (CAGR) of 13.47% from 2023 to 2033.

Technological Transformation:

- Technologies like Building Information Modeling (BIM), are revolutionizing project planning and monitoring, leading to 20% reductions in construction time and costs in innovative projects.

Sustainability Trends:

- With increasing environmental regulations, green buildings and net-zero construction projects are becoming industry standards. LEED-certified structures consume 25% less energy and 11% less water, offering significant cost savings. BIM facilitates sustainability.

Employment and Career Opportunities:

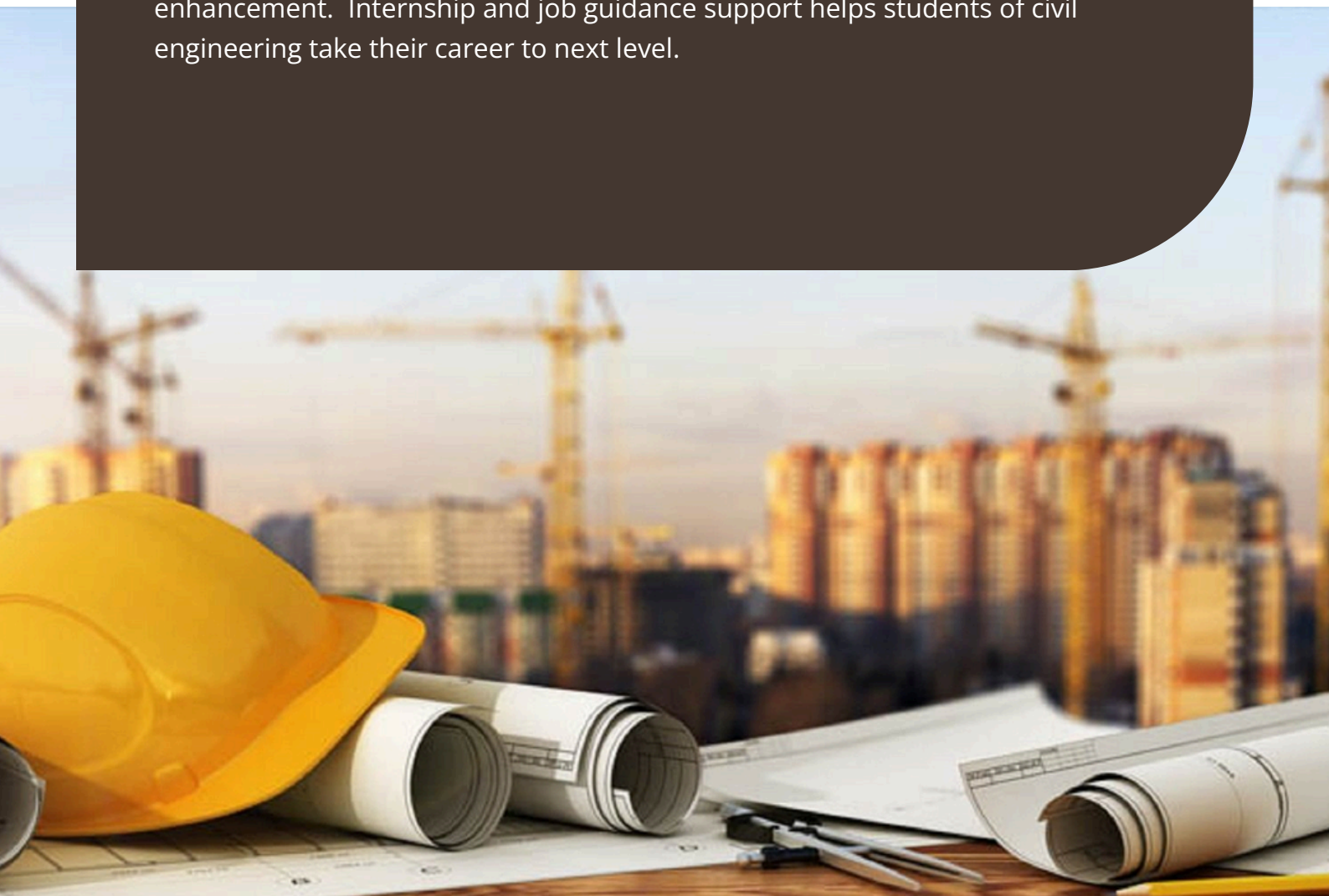
- The global construction workforce is adapting to meet demand. By 2029, the industry is expected to add 300,200 jobs, focusing on skilled roles like BIM Managers, construction managers and project leads.
- The global construction industry is expected to increase from \$7.6 trillion to \$10.5 trillion and will offer many opportunities for growth in the next decade.
- For BIM Engineers (Freshers):
- India: The salary for a fresher BIM Engineer typically ranges from ₹3.5 to ₹6 lakh per year, depending on the city and company. In top-tier cities or international projects, this could go higher.
- US/UK/Europe: Freshers in BIM roles can expect starting salaries in the range of \$50,000 to \$70,000 annually (varies by region, company, and level of expertise).

Explore What the Programme Offers

The Building Information Modelling specialization is top up program with B tech/BE Civil engineering course , it is a 6-month semester linked online program offered by Protrainy , tailored for professionals in the construction sector. The program features over 60 hours of training sessions and 20+ hours of project work/assignment, it is designed to civil engineering students with in-demand skills in digital construction using BIM

The curriculum includes hands-on training in industry-relevant tools such as Revit, Naviswork, Civil 3D etc. Delivered by renowned faculty BIM Industry the program ensures high-quality learning and exposure to real-world applications to students

Participants benefit from extensive career support, including one-on-one counseling, resume building, mock interviews, and LinkedIn profile enhancement. Internship and job guidance support helps students of civil engineering take their career to next level.



Who is this Programme for?

- Graduate/BE/Diploma in Architecture.
- Aspiring for campus placements in BIM industry
- Take the AEC Industry route and take the faster growth lane
- In Office and Work from Home /flexible opportunity

What Makes this Programme Stand Out?



150+ hours of Live sessions



Learn from BIM Industry professionals



8-10 Live projects covered



CV & LinkedIn Revamp



100% placement assistance



1 Month Internship provided

Are You Eligible to Join?

To be eligible for this programme, candidates must have B Tech/BE/ Diploma in Architecture.

Highlights & USP of the Program



Software Assistance will be provided for the BIM Tools

Understanding step wise BIM terminologies and industry use case



BIM 2D ,3D,4D,5D all included

Gain thorough, contemporary, and actionable knowledge through AICTE approved and vetted curriculum



Stay ahead with the latest industry trends and leverage network of BIM Professionals & company internships to kickstart your career directly after graduation

A Comprehensive Curriculum



BIM Fundamentals

- Introduction to BIM
- Benefits and limitations of BIM
- BIM software overview
- BIM workflow and collaborationg



Autodesk REVIT

- Revit architecture
- Introduction to REVIT
- Camera, Render, walkthrough
- Annotation of the Documents
- Project Collaboration
- Architectural models like walls, floors, roofs & more
- Create realistic & dynamic topographies



BIM-Based Design

- Parametric design in Revit
- Creating complex shapes and forms
- Using Revit for schematic design
- Integrating Revit with other design tools
- Revit hierarchy, parameters & material library
- Effective strategies for developing various Revit families



A Comprehensive Curriculum



BIM Analysis and Simulation

- Energy analysis and simulation
- Daylight analysis and simulation
- Structural analysis and simulation
- Using Revit for sustainability and energy efficiency



BIM Collaboration and Management

- Collaboration tools in Revit
- Worksharing and cloud collaboration
- Model management and coordination
- BIM implementation and management



Advanced BIM Topics

- Dynamo scripting and automation
- Advanced rendering and visualization
- BIM for construction and facilities management
- Future trends and developments in BIM



Softwares Covered



AUTODESK
Revit



**Model
Checker**
for Revit



Dynamo



AUTODESK
Construction Cloud



AUTODESK
BIM Collaborate
Pro



BIMcollab



Twinmotion



SYNCHRO



**COBie
Extension**
for Revit



AUTODESK
Forma



AUTODESK
Navisworks



DriRoots.One



AUTODESK
Docs



Prosheets





Pedagogy



Live Online
Lectures



Case Studies



Discussions
with Peers



Project Work



Assignments



Programme Delivery

- The sessions will be delivered through the online/offline platform..
- Study material will be shared
- Learners will be provided reading materials etc. for each course.

Duration

- 6 Months
- 60+ Live Sessions of
120 Minutes Each

Schedule

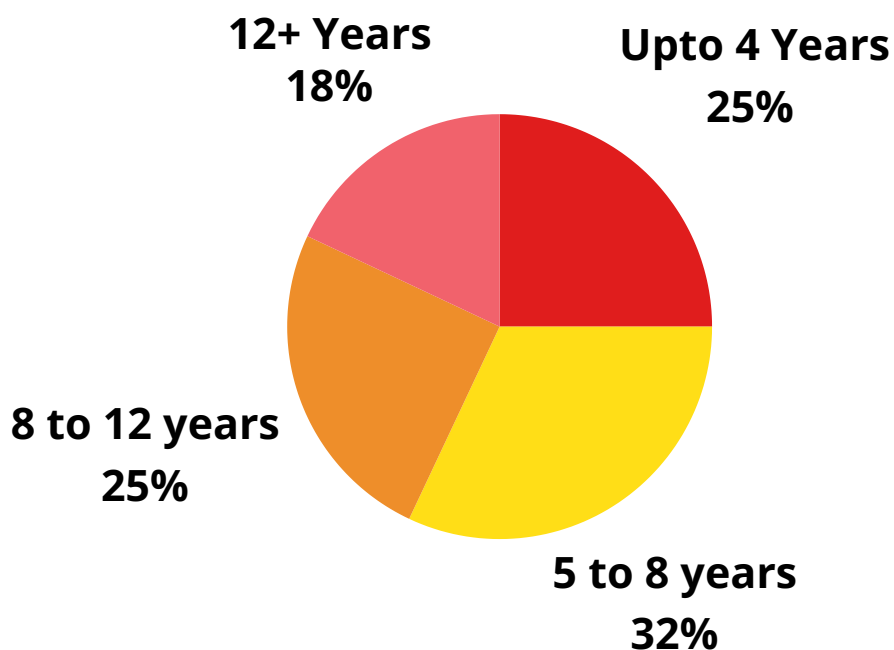
Regular Classes (Indian Time)

- Monday
8:00 p.m. to 10:00 p.m.
- Wednesday
8:00 p.m. to 10:00 p.m.
- Friday
8:00 p.m. to 10:00 p.m.

*CXO/Guest Session will be scheduled on Sunday (11:00 AM to 12:00 PM) or Saturday (8 PM to 9 PM)



Work Experience of our learners



Our Learners Hail from Prestigious Organisations





Admission Criteria

The selection will be based on candidate's profile evaluation – educational qualification, allied experience, application process – subject to meeting eligibility criteria.



Attendance Criteria

A minimum of 75% attendance is a prerequisite for the successful completion of the programme. Participants may take leave on account of emergencies, subject to the approval of the Programme Coordinator. For less than 75% attendance, grade cut as per the norms will be applied.



Assessment and Evaluation

Performance of learners will be monitored on a continuous evaluation basis through quizzes, assignments, tests and examinations. The participant is required to score minimum marks/grades as decided by the program from time to time to complete the course.



Alumni Status & Benefits

The participants who will complete the programme successfully will be eligible for the E & ICT IIT Guwahati Alumni status. Final decision of E&ICT IIT Guwahati is binding on all regarding this.

The Prestigious E & ICT IIT GUWAHATI Certificate

- Candidates who have successfully completed will receive a 'Certificate of Completion' from E & ICT IIT Guwahati and Protrainy jointly.



**All certificate images are for illustrative purposes only and may be subject to change at the discretion of issuer*

Programme Fee

Particulars	Amount (₹)*
Total Course Fees	85,000*
A. Seat Booking Fee (Course Fee I) ^	10,000

Flexible EMI Options available.



Note: *GST of 18% is excluded in the above price.

^Seat Booking Fee is Mandatory to start the process

The Remaining Fee has to be cleared within 15 Days of Set Booking

•All Fees are payable directly to Protrainy Skilled Learning Private Limited

Payment Methods

Sl.No	Payment Method	Available
I	EMI	Yes
II	Credit/Debit Card 	Yes
III	No Cost EMI (10+ Banks) 	Yes
III	Net Banking	Yes
IV	Financing Options/No Interest loan	Yes

Top Partners:



+10 Other Top Banks

APPLY NOW 

About Us



E&ICT Academy
IIT Guwahati

As an initiative of the Ministry of Electronics & Information Technology (MeitY), the Academy was set up 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 specialized modules for imparting quality training for enhancing employability and capacity building in the area of E & ICT. In the past 8 years, the Academy has successfully conducted

300+ Faculty Development Programme through conventional classroom teaching and NKN virtual classroom mode in different institutes/Universities of North Eastern States in particular and a few in other states of India. Till date, the Academy has successfully trained 18000+ participants. The Academy has also signed MoU with Institutes/Universities for hosting the programmes and for conducting hands-on sessions the Academy collaborated with Industries as Training/Industry Partner



Protrainy is IIM Ahmedabad Ventures backed upskilling platform for core engineering professionals (Construction, Manufacturing, Oil & Gas etc). Through 30+ programs we have upskilled 16,000+ professionals from 700+ companies across India and 10 Countries. We strive to create an online ecosystem for core technical engineers to equip themselves with Industry Ready® skills in Construction and Manufacturing Sector.



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