



IPA TRAINING

INTERNATIONAL PROFESSIONAL ACADEMY

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ABOUT US

IPA is a Professional Training facility in India is having international standard programs to convert the **future of freshers** and **working professional** of engineering services and construction industry in the global standards. We focus on delivering our training program inline with global and Indian construction Industries standards that empowers individuals with the technical knowledge and drafting skills required to succeed in a fast-paced and competitive job market.

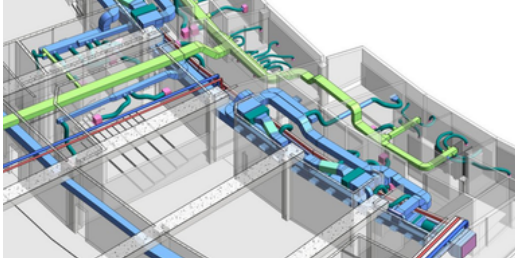
Offering a diverse range of courses such in **BIM, CAD and professional engineering & designs**, we provide both in-person and online training programs to cater to **different learning needs**.

With our headquarters Dombivli (East) Thane, we've started our programcareers of students and aspiring professionals by offering industry-recognized completion certifications and upskilling of technical and drafting opportunities. Whether you are a beginner looking to break into construction or engineering service Industry or a professional seeking to enhance your expertise, IPA is equips you with the technical expertise trainers, tools and training facility to excel in your career journey.

OUR COURSES

MEP BIM

✦ HVAC System BIM:



HVAC Systems BIM involves the integration of heating, ventilation, and air conditioning systems into the Building Information Modeling process. This approach allows for accurate design, visualization, and coordination of HVAC components within a project, ensuring efficiency and reducing potential conflicts during construction. By using BIM for HVAC systems, professionals can optimize energy performance, streamline maintenance planning, and improve overall building comfort.

- Basic Training
- Technical Training
- Drafting Training
- Live Project

✦ Duration Time:

	HVAC BIM
Duration	40 - 50 Hours

✦ Plumbing System BIM:



Plumbing Systems BIM is a strategic document that outlines how digital modeling will be used to design, coordinate to incorporate the builder works and manage a building's plumbing infrastructure. It serves as a roadmap for integrating complex networks of water supply, drainage, and gas piping into a unified 3D environment to prevent costly on-site errors.

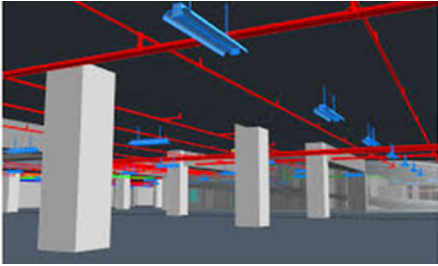
- Basic Training
- Technical Training
- Drafting Training
- Live Project

✦ Duration Time:

	Plumbing BIM
Duration	40 - 50 Hours



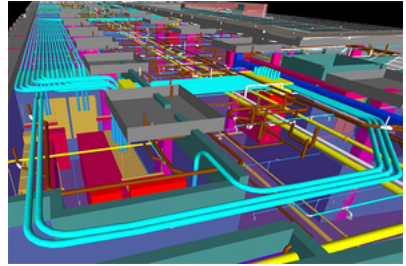
✦ Fire Protection System BIM:



Fire protection BIM delivers intelligent 3D modeling, coordination, and data simulation for active (sprinklers, alarms) and passive (fire-rated walls, doors) systems. Fire protection systems covers the sprinkler, Hydrant including Fire extinguisher. It enables precise spatial coordination with MEP systems to ensure regulatory compliance (e.g., NFPA), accurate fabrication, and improved facility management.

- Basic Training
- Technical Training
- Drafting Training
- Live Project

✦ Electrical System BIM:



Electrical Systems BIM integrates 3D modeling, data-rich components like electrical systems fixtures, accessories and equipment, and real-time coordination to design and operation of electrical utilities and systems. It enables improved clash detection, accurate calculations, automated panel scheduling, and optimized material procurement, resulting faster design times and save construction costs.

- Basic Training
- Technical Training
- Drafting Training
- Live Project

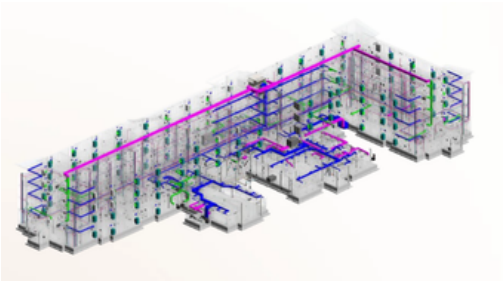
✦ Duration Time:

	Fire Protection BIM
Duration	40 - 50 Hours

✦ Duration Time:

	Electrical BIM
Duration	40 - 50 Hours

BIM Co-ordination



BIM (Building Information Modeling) Coordination is the process of integrating 3D models from various disciplines – architectural, structural, and MEPF (Mechanical, Electrical, Plumbing, Fire) – into a single federated model. It identifies design conflicts, known as "clashes," before construction, reducing costly field rework, delays, and material waste.

- Co-ordination Set up
- Clash Detection
- Clash Workflow & Manage
- Co-ordination and Resolution
- Live Project

✦ Duration Time:

	BIM Co-ordination
Duration	30 - 40 Hours

ARCHITECTURE BIM



Architectural BIM, or Building Information Modeling, is a digital method used by architects to design and manage buildings through intelligent 3D models. It represents both the physical and functional aspects of a structure in a single system. In BIM, elements like walls, doors, and windows are not just drawings but data-rich components containing details such as materials, dimensions, and cost. This improves accuracy and reduces errors in design. Architectural BIM also supports collaboration, allowing architects and engineers to work together efficiently. Tools like Autodesk Revit help create better, faster, and more coordinated building designs.

- AutoCAD
- Revit
- SketchUp
- Live Project

✦ Duration Time:

	Architectural BIM
Duration	40-50 Hours



INTERIOR BIM



Interior BIM is the application of Building Information Modeling (BIM) specifically for interior design projects. It allows designers to create detailed 3D models of interior spaces, including walls, partitions, ceilings, floors, furniture, fixtures, and finishes.

In Interior BIM, each component is a smart object containing information such as material, dimensions, cost, and maintenance requirements. This enables accurate planning, clash detection, and better coordination with architectural and structural elements.

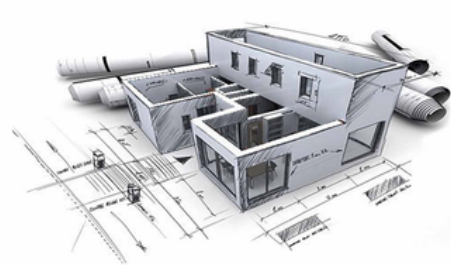
Interior BIM also supports realistic visualization, walkthroughs, and automated schedules for furniture, lighting, and finishes. Overall, it improves accuracy, efficiency, and collaboration, making interior design projects faster, cost-effective, and more client-friendly.

- AutoCAD
- Revit
- Sketchup
- 3D Max Design
- Live Project

★ Duration Time:

	Interior BIM
Duration	80-100 Hours

CAD DRAFTING



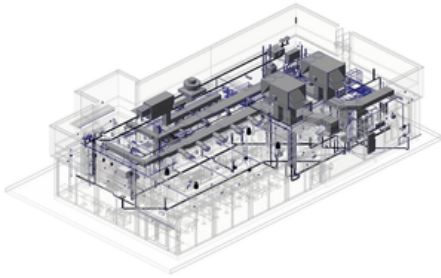
Comprehensive CAD drafting training covers essential skills required to produce precise, industry-standard technical drawings, focusing on software proficiency, accuracy, and efficiency. Effective training prepares users to convert conceptual sketches into detailed 2D and 3D designs for manufacturing, construction, and engineering applications.

- Basic CAD Programme
- Advance CAD
- CAD in Building Services
- Live Project

★ Duration Time:

	CAD Drafting
Duration	40 - 50 Hours

MEP ENGINEERING



An MEP engineering is a structured overview of a program designed to build knowledge and skills in mechanical, electrical, and plumbing systems. It outlines the purpose of the training—equipping engineers and technicians with both theoretical understanding and practical expertise—while setting objectives such as mastering HVAC design, electrical distribution, plumbing layouts, and compliance with codes and standards. The brief typically covers modules on mechanical systems, electrical systems, plumbing, BIM coordination, and regulatory frameworks, delivered through classroom sessions, software workshops, site visits, and case studies. It also defines the duration and schedule, usually spanning several weeks with a mix of theory and hands-on practice, and concludes with assessments, project work, and certification to ensure participants are competent in design, coordination, testing, and commissioning of MEP systems.

- HVAC Engineering
- Plumbing Engineering
- Fire Protection Engineering
- Electrical Engineering
- Live Project

✦ Duration Time:

	Duration
HVAC Engineering	40 - 50 Hours
Plumbing Engineering	40 - 50 Hours
Fire Protection Engineering	30 - 40 Hours
Electrical Engineering	40 - 50 Hours



WHY IPA TRAINING

- **International Standard Program**
- **Technical Expertise**
- **Industry Oriented Training**
- **Construction Industry Experienced Faculty**
- **Live Project Training**
- **Flexibility Timing**
- **Placement Assistance**
- **Course Completion Certificate**

CONTACT US



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