Learn why Architects or Architecture students should embrace BIM

BIM has shown how architects can design modern architecture. The benefits or opportunities are visible to every team member who is involved in the design phase. Within this blog, we will see the benefits or opportunities of using BIM for architects.

Quicker turnaround times with 3D models or rendering
Construction has become more advanced than ever. It has given architects or architecture the potential to create 3D models at highly reduced timescales. Architects do not have to rely on 2D lines, they can leverage the potential and opportunities of Building Information Modeling (BIM) using real-world 3D objects like walls, doors, etc. that create sections, elevation, and a major part of your design process. When a door is placed in 3D, you place an element that appears in sections with accurate elevations and views with pre-defined parameters. This saves on time and budget for clients as 3D models are built quickly.

Design retention makes it easier for stakeholders to monitor the project
For projects to be successful, BIM has to be implemented from the design stage so that project stakeholders can manage the process to make sure there are no errors or challenges

that can take the project down significantly in terms of cost and budget. Using BIM software and processes makes sure the design is interpreted correctly, Navisworks as a secondary model checking tool can be used to review the model in its very early stages.

Collaboration is key for project owners to understand the actual design
BIM has the potential to communicate strongly in terms of design intent. It can be interactive and insightful for project owners to visualize project architecture in a 3D environment using VR/AR technology with the help of photo-realistic 3D renders. Architects do not have to work on different presentations, it's one model, and a single presentation based on it.

Complete & perpetual coordination makes the design efficient and sustainable.
The design team works in a collaborative environment, wherein it is accessed, analyzed, and edited based on a collaborative effort from various stakeholders.

Exhaustive error reduction for high-end QA/QC
With substantial error reduction based on clash detection, costing, time scheduling, etc. BIM helps architects, designers, engineers, GCs, and owners rely on crucial information that can be tracked and monitored much faster based on compartmentalization. With BIM, filtering becomes very easy wherein you can view specific objects, spaces, or sections based on the applied filters. It allows users to scan drawings, show objects like doors with certain specifications or material, acoustic rating, protection, insulation, etc.

The adoption of BIM brings in lesser RFI's saving on time and budget
Architects can reduce Request-For-Information (RFI's) based on clear and transparent design. During project modeling, if ambiguities or gaps are seen in the design, it is very easy to identify and extract information from the model itself. If the model is given to contractors or clients, even they can extract the information out themselves.

Using BIM to build holistic designs
BIM helps stakeholders with holistic designing wherein greater emphasis is given on aesthetics, material design, project access, phasing, and maintenance. This allows architects to build better products or deliverables to maintain a leading-edge across the country.

Details with BIM are phenomenal.
The details in BIM are 2D, but models are created in 3D, which can be used to underlay the 3D to build the detailing part. Once the detail is done, it can be constantly checked against the 3D design to keep track of the design process. This allows for great collaboration between the production and concept teams.

Visit Us: https://nibt.education/

Contact Us: +91 73502 55855