

Scope of Implmenting Building Information Modeling in (Aec) Industry Firms in India

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Abstract : The architecture, engineering, and construction (AEC) industry is facing enormous technological and institutional changes and challenges including the information technology and appropriate application of sustainable practices. The engineer and architect must be able to handle with a rapid pace of technological change. BIM is a unique process of producing and managing a building by exploring a digital module before the actual project is constructed and later during its construction, facility operation and maintenance. BIM has been Adopted by construction contractors and architects in the western country mostly in US and UK to improve the planning and management of construction projects. In India, BIM is a basic stage of adoption only, several issues about data acquisition and management comes during the design formation and planning of a construction project due to the complexity, ambiguity, and fragmented nature of the Indian construction industry. This paper tells about the view a strategy for India's AEC firms to successfully implement BIM in their current working processes. By surveying and collecting data about problems faced by these architectural firms, it will be analysed how to avoid those situations from rising and, thus, introducing BIM Capabilities in such firms in the most effective way. while this application is widely accepted throughout the industry in many countries for managing project information for cost control and facilities management.

Keywords : AEC industry, building information module, Indian industry, new technology, BIM implementation in India

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