

Core Capabilities for Achieving Sustainable Construction Project Management

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Abstract: *In recent times, sustainability in construction has emerged as a major problem. It is now regarded as one of the essential tools for completing building projects successfully. However, regular planning Construction project methods still don't use modern methodologies. While aims beyond time and money are frequently not regarded appropriately, project management decisions frequently centre on one specific project with well-established goals, such as cost minimization and timeline maintenance. The contribution emphasizes a complex method for planning construction projects and shows how this method may be used for contemporary construction management, including sustainable building practices. Thus, planning is predicated on the idea that, initiatives typically don't happen as isolated incidents but rather as a collection of related projects.*

Keywords: Sustainability, Lifecycle analysis, Project Management, Optimization, Scheduling

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