

Advancing Sustainable Development in the Construction Industry: A Theoretical Framework for Integrating Sustainable Project Management

Authors : Francis Kwesi Bondinuba, Seidu Abdullah, Nelly Bondinuba

Abstract : Purpose: The study proposes a theoretical framework for integrating sustainable project management in the construction sector, addressing the need for sustainable development practices. Methodology: The study adopts a theoretical approach by reviewing existing literature on sustainable development and project management in the construction industry. It analyses various concepts, theories, and frameworks to develop a comprehensive theoretical framework for integrating sustainable project management. Findings: The study emphasizes the importance of incorporating sustainable development practices into construction project management, focusing on collaboration, stakeholder engagement, and continuous improvement to achieve environmental conservation, social responsibility, and economic viability. Conclusion: Sustainable Project Management (SPM) in Ghana's construction industry is challenging due to lack of awareness, regulatory frameworks, financial constraints, and skill shortages, despite its benefits in promoting social inclusivity, job creation, and environmental resilience. Recommendation: The construction industry in Ghana should adopt a comprehensive approach involving local communities, government bodies, and environmental organizations. It should utilize green materials and technologies and effectively manage waste. Originality: This study presents a theoretical framework for sustainable project management in construction. It emphasizes collaboration and stakeholder engagement for long-term sustainable outcomes and considers environmental, social, and economic aspects.

Keywords : construction industry, theoretical framework, integration, project management, sustainable development

Conference Title : ICAS 2025 : International Conference on Anthropology and Sustainability

Conference Location : Berlin, Germany

Conference Dates : July 22-23, 2025