

## Measurement of Project Success in Construction Using Performance Indices

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**Abstract :** Background: The construction industry is dynamic in nature owing to the increasing uncertainties in technology, budgets, and development processes making projects more complex. Thus, predicting project performance and chances of its likely success has become difficult. The goal of all parties involved in construction projects is to successfully complete it on schedule, within planned budget and with the highest quality and in the safest manner. However, the concept of project success has remained ambiguously defined in the mind of the construction professionals. Purpose: This paper aims to study the analysis of a project in terms of its performance and measure the success. Methodology: The parameters for evaluating project success and the indices to measure success/performance of a project are identified through literature study. Through questionnaire surveys aimed at the stakeholders in the projects, data is collected from two live case studies (an ongoing and completed project) on the overall performance in terms of its success/failure. Finally, with the help of SPSS tool, the data collected from the surveys are analyzed and applied on the selected performance indices. Findings: The score calculated by using the indices and models helps in assessing the overall performance of the project and interpreting it to find out whether the project will be a success or failure. This study acts as a reference for firms to carry out performance evaluation and success measurement on a regular basis helping projects to identify the areas which are performing well and those that require improvement. Originality & Value: The study signifies that by measuring project performance; a project's deviation towards success/failure can be assessed thus helping in suggesting early remedial measures to bring it on track ensuring that a project will be completed successfully.

**Keywords :** project, performance, indices, success

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