

**IMPROVEMENTS ESSENTIAL FOR MONITORING
AND EVALUATION SYSTEMS IN STAGES OF ROAD
CONSTRUCTION PROJECTS IN SRI LANKA**

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Degree of Master of Science in Construction Project Management

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University of Moratuwa
Sri Lanka

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Thesis was submitted in partial fulfilment of the requirements for the
Master of Science in Construction Project Management

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DECLARATION

I declare that this is my own work, and this thesis does not incorporate, without acknowledgment, any material previously submitted for a Degree or Diploma in any other University or institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgment is made in the text.

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Date:

Supervisor: Prof. Asoka Perera

ABSTRACT

Main reasons for the failure of construction projects in Sri Lanka are the lack of an effective Monitoring and Evaluation. Because project management is such an important component of the planning and execution of a construction project, it's critical to identify the major factors that necessitate leadership from the project team.

In this research expert interviews were conducted to develop the questionnaire survey and validate the Monitoring and Evaluation methodologies described in the literature base shortfalls and in the Sri Lankan road construction context, which was separated into three stages: pre-construction, construction, and post-construction Project Directors, Team Leaders, Project Managers, Senior Engineers, and Engineers in the Sri Lankan road construction business were sent a web-based questionnaire. Reviewing available literature and by interviewing the relevant people, 104 Shortfall factors, change the all part of matters were identified and categorized as per the stage of their occurrence. When the road construction projects are being implemented, it is important to be aware of the possible factors to mitigate the matters arises through and accordingly take suitable Monitoring and Evaluation. For all these measures, it is important to consider the ranking of these matters in a way to identify/indicate priority for higher ranked matters to minimize adverse impacts by using the Monitoring and Evaluation system in stages wise.

The research explores and analyzes the flaws in present monitoring systems, and can be used as a guideline for selecting Monitoring and Evaluation systems for projects as well as designing training programs for project staff to improve their skills. Furthermore, this study will offer detailed insights and recommendations for improving project Monitoring and Evaluation in the Sri Lankan road construction business. Respondents' perceptions of pre-construction stage, construction stage, and post-construction stage rankings were also assessed and the findings revealed that strong Monitoring and Evaluation are vital throughout the construction stage of project secondary preconstruction stage and finally post construction stage.

Keywords: Project Management System, Monitoring and Evaluation, rank, execution, stage

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