EXECUTIVE SUMMARY

The main objective of any organization is to generate the profit by satisfying stakeholders. In order to achieve the profit margins as expected it is must to maintain the good customer satisfaction and delivering quality products/services on time. Beta Launch is an organization where offers digital engineering, information technology, and digital business transformation services, redistributing businesses that hasten their clients' journeys into the digital future. Currently, one of Sri Lanka's top export-generating sectors is the IT services sector. Business Solution Group is the key groups which serves the Beta Launch's business process. It acts as the cost center for the Beta Launch. However, it was identified that there are project timelines happed in the Business Solution Group's project which cased for cost overruns. The main purpose of this management field research project is to reduce the project timelines overruns.

Since the Project Timeline overrun is the main pitfall for the cost overruns of the Beta Launch in the chapter two key problematic areas and the root causes which involves to the key problem was identified. Based on the analysis it was identified that there are three main areas which caused to software project timeline overruns. Those are, Project Execution, Process Management and Project Management. The fundamental causes of these elements include lack of developer test coverage for high no of defects, No proper impact analysis on the regression for high no of QA cycles, Not following standard requirement gathering process with template for high no of Q&A and Clarifications , Not having an effective internal communication process cause for high no of escalations related to team communication , Lack of collaborative analysis for high no of escalations and Less agile practice for high no of change request after the client release.

The focus of this project's third chapter was on identifying the primary challenges and project operations problems that exist during Beta Launch. The third chapter provided a theoretical context for the observed problem project timeline overruns in Beta Launch Pvt. Ltd.'s Business Solution Group by citing relevant literature. It also discussed the problem's acknowledged underlying causes. Thereafter, in addition to the three primary areas of project execution, process management, and project management, the literature research was expanded to include the root causes found there. This made it easier to find approaches used by writers to deal with problems of a same kind and which might be applied to create remedies to deal with the root causes in the context of the project. Techniques are such as,

Work Breakdown Structure, Business Process Unification, Requirement Traceability Matrix, Process Mapping, RACI Matrix, Training Need Analysis (TNA), Product Road Mapping, Use Case Analysis and Krikpatrick's Model.

The major issue and each of the project components were identified prior to implementing solutions to address the core causes. These objectives were then converted into goals that would be attained by implementing the solutions. The recommended solutions primarily consist with introducing the Test-Driven Development, Adhering to CICD pipeline approach, Implementing Impact Analysis template and implementing Regression Test Plan document will address the issues which related to the Project Execution. Then standardize the requirement gathering process, Enhance the requirement gathering documentation and implementation of Internal team communication RACI matrix will address the pitfalls of the Process Management component. Also, Project Management component related issues will be handled by introducing proper breakdown structure, Requirement Traceability Matrix, Product Road Mapping Tool and, Agile Project Management Training for project managers.

Effectiveness of the recommended solutions will be measured via a cost benefit analysis. When the suggested solutions are applied to the selected two projects throughout the one year of period, there should be advantages in terms of reducing timeline overruns. Throughout this project calculated benefit values amounted $ 73794.12 and the expected cost to be required for the implementation is at $4428.40 and it gives the cost benefit ratio value as 12.8 times. Project output and project outcome related analysis carried out thereafter. Apart from the key benefit of reducing the timeline overruns, new processes implementation and standardization of the processes, documentation and template introduction, new matrixes, new tools can be considered as the project outputs. Decreasing the cost budget variance, improve the customer satisfaction, improve the product quality, effective communication can be considered as the project outcomes.

In conclusion, here it analyzed how the finding from the literature review have been used effectively for the solutioning and providing the recommendations. Also, recommendations were given to implementation of the solution with the vital activities and their timelines which needs to complete prior to the deployment of the solutions. It includes the approvals required for the processes and templates, as well as the awareness creations and the introductory mechanism