

**PROJECT MANAGEMENT**

**IN-COURSE ASSESSMENT – GROUP ASSIGNMENT**

**CT050-3-3**

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# Acknowledgement

For this project, we would like to send our gratitude to ……

# Workload Matrix

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *PROJECT MEMBERS* | **Balram A/L Krishna Kumar (TP035446)** | **Ang Chee Siah**  **(TP038259)** | **Muhammad Izzat Bin Mohd Jamil (TP035719)** | **Yeo Zhi Yin**  **(TP035402)** |
| **GROUP COMPONENTS** | | | | |
| **Project Methodology** | - | - | 100% | - |
| **Project Charter** | 25% | 25% | 25% | 25% |
| **Scope Statement** | 50% | 50% | - | - |
| **Work Breakdown Structure** | 50% | - | 50% | - |
| **Gantt Chart and Network Diagram** | - | 50% | - | 50% |
| **Cost Budgeting** | 100% | - | - | - |
| **Quality Management** | - | 50% | - | 50% |
| **Cutover Strategy and Transition Plan** | - | 50% | - | 50% |
| **INDIVIDUAL COMPONENTS** | | | | |
| **Human Resource Management** | - | - | 100% | - |
| **Procurement Management** | 100% | - | - | - |
| **Communication Management** | - | 100% | - | - |
| **Risk Management** | - | - | - | 100% |
| **SIGNATURE** |  |  |  |  |

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# 1. INTRODUCTION

## Project Methodology Definition

Project methodology is a necessary system that would be normally used when conducting a **project-based activity**, especially of those in a tremendously large scale. The system involves consideration of every aspect possible from skillsets, milestones to quality standards using various tools and techniques to create an efficient **working flow** for all individuals and departments in charge of the project developments, with the aim of **meeting the scope of project requirements**. The project usually requires the deliverables to be able to address any needs and concerns from all stakeholders.

Depending on the project’s content and workload, different types of methodology could be applied to suit the project best, but all of them ultimately ties to the following ‘ground rules’ (Cockburn, 2000):

* The **larger** a project is, the **larger** its **methodology** should be.
* More critical or important aspects of the project require **more attention** and ‘*publicly visible correctness in its construction’.*
* Any **small increase** in methodology size or density would **drastically increase** the project cost.
* **Face-to-face interaction** is the most effective communication method in conveying ideas and concepts.

## Case Study Summary

In this assessment, we were assumed the role as project management team from a company named *Good LIfe Pte. Ltd. (GL),* where the project is on creating an **‘Integrated Supply Chain Management Project’ (ISCMP)**.While the project was scheduled to be completed in 6 months, the previous project manager’s attempt on the project for the first 2 months could be summarized as ‘failure’. Therefore, we as a new management team were instructed to **complete the ISCMP in the next 4 months**, while resolving all issues that arose from the previous management. However, in this scenario, all theoretical discussions besides the provided details of the situation in the assessment are to be avoided in devising a management to recover the failing project.

## Selected Project Methodology

The project methodology applied to complete the project based on the case study scenario is the **Waterfall Model**. Waterfall model, at its core, is a **series of main phases** being arranged in a **sequential development model** (S. Balaji, 2012), as shown in the diagram in ***FIGURE 1.01***:



***FIGURE 1.01: Waterfall Model Basic Outline***

Waterfall model is an infamous development methodology for having the project scopes identified in advance, and having the project to **progress according the pre-defined phases** made from the identified scopes. In order to advance to certain phase, any phases before the said phase must be completed and verified.

Despite it being a rigid structure with low flexibly level, waterfall model is a nice methodology to refer with when working on similar **projects that has been attempted before**, or one that people has been familiar with its milestones entirely. The ISCMP, according to the case study, is a project where other countries have developed with years ago, and thus enabled a clear milestone reference in the current situation based on their attempts as well.

Also, due to the 4-month time restriction from the failure of previous management, the team would be in low levels of morale where most participants would lose motivation to continue with the project. Therefore, waterfall model would serve as a guideline for each participating unit so all of them would be **clear on their respective responsivities**.

In exchange of low level of team coordination and synchronization, there is a **lower level of risk** of failing this project based on waterfall model, as conflicts between project teams and external organizations would be reduced to a minimum.

## Project Management Process

The project management is divided into 5 phases according to their respective processes, which are **Initiating**, **Planning**, **Executing**, **Monitoring** **and** **Controlling**, and **Closing**.

1. **INITIATING**

In initiation process, the organization is required to **identify the project**, its content including objectives and phases. Once all elements of the project have been identified, the project will start on the Project Manager’s cue, in most situations.

The activities conducted in this phase normally involves **creating a project charter** to understand the key information and project specifics, while **identifying the stakeholders** of the project to determine everyone’s influence on the project’s development.

1. **PLANNING**

Planning is when the project is in the stage of writing a **guide for project executions**. All available resources would be accounted for to devise an efficient plan to complete the project and meet its requirements.

That includes the process of creating a proper **Work Breakdown Structure** (WBS), project **scope statements**, project **schedules** (usually in Gantt Chart format), and list of **potential risks** during the development.

1. **EXECUTING**

The project officially begins during the execution phase, where all units of the project development team are **producing the output of the project**. In the meantime, the project manager would take the role of coordinating all departments and resolve all challenges arose during the process.

While creating the **project deliverables** is usually the output from this process, **milestone reports** tend to be accompanied along with the output to ensure a brief description on the deliverables from each team during progress checking.

1. **MONITORING AND CONTROLLING**

While all the planned processes have been set in motion, the progress checking on those actions are vital to ensure the project not to be derailed via **correction actions**.

Several changes in requests or updates might occur while creating project deliverables, and thus **performance reports** and **update requests** are essential as output from this process.

1. **CLOSING**

When all the processes have been completed and corrected, the **project output would be delivered to all stakeholders** and/or potential consumers to review the product, provide feedback, and determine if the output is suitable for public release.

Regardless of the acceptance of the project deliverables, this process should produce a **completed project documentation**, **self-reflection reports** and relevant **presentation aids** as a wrap-up of a project being closed entirely.

## Knowledge Areas

The applicable knowledge areas regarding the project management on this assessment includes the following elements:

1. **Project Integration Management**

Project integration is a segment where any changes that occur during the project’s life cycle has to be identified, evaluated and resolved by **coordinating all knowledge areas involved** in it

1. **Project Scope Management**

In scope management, all objectives required by the project are determined and **devise required deliverables of the project** to ensure the process successfully addresses all the work needed for it.

1. **Project Time Management**

As the title suggests, time management is a section that deals with estimating time needed to complete the project, it’s relevant processes and create a **working schedule** that could utilize all departments in project development.

1. **Project Cost Management**

Like time management, cost management estimates the capital the project has been allocated to and determines the suitable **amount of budget** allocated to each department to ensure a smooth workflow of each processes.

1. **Project Quality Management**

While all the processes in a project must be completed within allocated periods, quality management is necessary to **make sure the deliverables from every processes meet its requirements** that was from the scope management segment.

1. **Project Human Resource Management**

**Allocating people to their respective roles** in project development comes into the responsibility of the human resource management, where each participating individuals’ skillsets and interests are analyzed to make sure highest level of efficiency could be achieved from the process.

1. **Project Communication Management**

Planning, managing and controlling the communications within the project teams is a vital aspect in managing a smooth development flow, where **project information can be collected, stored, and relayed** to desired departments in an appropriate and timely manner.

1. **Project Risk Management**

While meeting the project scopes, the risk management is a segment that is normally in charge of **identifying and analyzing the potential risks** that might occur to the project development, while respond and **resolve it immediately** when one happens in the process of project execution.

1. **Project Procurement Management**

In several occasions, procurement management is necessary to **acquire goods and services from outside of the project team or organization**, usually with aim of integrating the aforementioned goods and services into the project development to increase the quality of the project deliverables, or reducing the cost of creating one from scratch.

# 2. PROJECT CHARTER

## 2.1 Background

## 2.2 Aim and Objectives

### 2.2.1 Aim

### 2.2.2 Objectives

## 2.3 Scope

### 2.3.1 Product Deliverables

### 2.3.2 Project Scope

## 2.4 Constraints

## 2.5 Estimation Budget

## 2.6 Roles & Responsibilities

## 2.7 High Level Risks

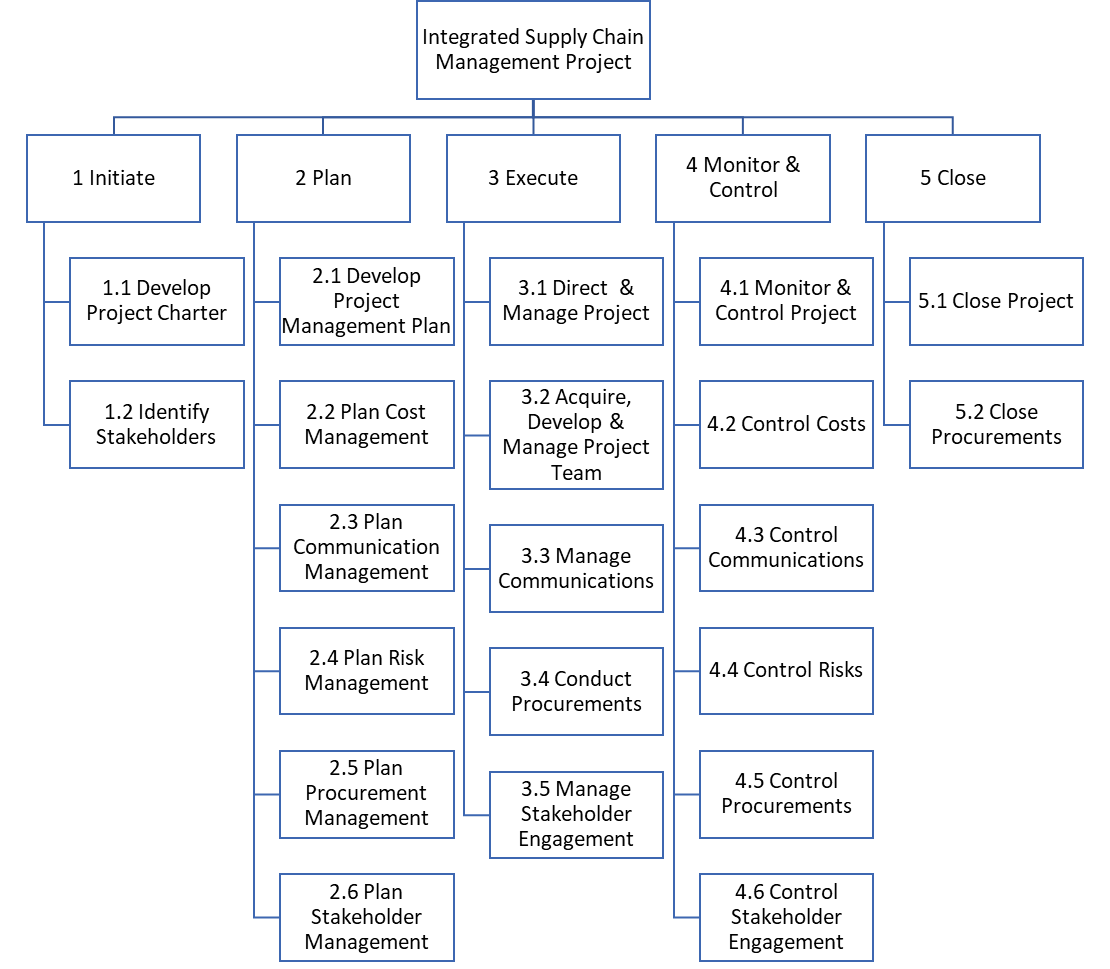
## 2.8 Major Project Milestones

## 2.9 Critical Success Factors

## 2.10 Signature

# 3. WORK BREAKDOWN STRUCTURE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task/Management** | **Human Resources** | **Procurement** | **Communication** | **Risk** |
| **1. Initiating** |  |  |  |  |
| 1.1 Develop Project Charter |  |  |  |  |
| 1.2 Collect Purchase Requests |  |  |  |  |
| 1.3 Identify Stakeholders |  |  |  |  |
| 1.4 Sponsor/Supplier Search |  |  |  |  |
| 1.5 Analyse Potential Risks |  |  |  |  |
|  |  |  |  |  |
| **2. Planning** |  |  |  |  |
| 2.1 Plan Human Resource Management |  |  |  |  |
| 2.2 Organize List of Required Assets |  |  |  |  |
| 2.3 Plan Communications Management |  |  |  |  |
| 2.4 Contacting Sponsors |  |  |  |  |
| 2.5 Plan Risk Management |  |  |  |  |
| 2.6 Identify Risks |  |  |  |  |
| 2.7 Perform Risk Analysis |  |  |  |  |
| 2.8 Plan Risk Responses |  |  |  |  |
|  |  |  |  |  |
| **3. Executing** |  |  |  |  |
| 3.1 Acquire Project Team |  |  |  |  |
| 3.2 Develop Project Team |  |  |  |  |
| 3.3 Manage Project Team |  |  |  |  |
| 3.4 Contacting & Negotiate with Sponsors/Suppliers |  |  |  |  |
| 3.5 Conduct Procurement |  |  |  |  |
| 3.6 Manage Communications |  |  |  |  |
| 3.7 Manage Stakeholder Expectations |  |  |  |  |
| 3.8 Execute Risk Responses |  |  |  |  |
|  |  |  |  |  |
| **4. Monitoring & Controlling** |  |  |  |  |
| 4.1 Monitor Project Team Progress |  |  |  |  |
| 4.2 Control Procurement |  |  |  |  |
| 4.3 Control Communications |  |  |  |  |
| 4.4 Monitor and Control Risks |  |  |  |  |
|  |  |  |  |  |
| **5. Closing** |  |  |  |  |
| 5.1 Close Project |  |  |  |  |
| 5.2 Close Procurements |  |  |  |  |
| 5.4 Document Procurements Report |  |  |  |  |
| 5.6 Document Report on Losses |  |  |  |  |



# 4. SCOPE STATEMENT

## 4.1 Project Scope Description

The scope of this project is to restore the order and maintain morale of the developing team and make sure the product is produced with quality within deadline.

## 4.2 Acceptance Criteria

The conditions of the acceptance criteria is that the system should be able to provide the common functions that can be found in typical SCM software, supported by centralized data warehouse log which provides business intelligence capacities for user to make quicker decision in managing such as inventory managing. The system should be covering features like transportation management, yard management, labor management and warehouse optimization.

## 4.3 Project Deliverables

The end product of this project would be a software designed specialized for Supply Chain Management. The end product provides the common functions that can be found in any SCM. Other than that, the system is also supported by a huge centralized data warehouse which provides business intelligence capabilities in facilitating users to make quicker decision in managing inventory in their own region. The system also covers transportation management, order management, yard management, labor management and warehouse optimization.

## 4.4 Project Exclusions

Stakeholders can expect a completed bug-free software by the end of the project period, the SCM software should be able to be installed and used in windows and android platform.

## 4.5 Project Constraints

* **Time frames**: The project need to be done with 4 months left.
* **Resources**: The hardware technical specifications are not up to date.
* **Activity performance**: Team members are focusing more on their daily operation support rather than task assigned.

## 4.6 Project Assumptions

* The project team might need an experienced advisor to advise the project manager on leadership and interpersonal skills.
* Better hardware might be needed to speed up developing progress.
* Time management might need to be implemented to manage the efficiency of the team members.

# 5. TABLE OF ISSUES

|  |  |  |  |
| --- | --- | --- | --- |
| **Knowledge Area** | **Issue No. & Content** | **Project Management Proses** | **Tools & Technique** |
| Project Integration Management | 13. There was no clear project organizational structure to manage the project. | Planning | Organization Chart:   * With organization chart, clear organizational structure is developed start from the highest management till the individual responsibility. |
| 10. …… |  |  |
|  |  |  |

# 6. GANTT CHART AND NETWORK DIAGRAM

## 6.1 Gantt Chart

## 6.2 Network Diagram

# 7. COST ESTIMATION AND BUDGETING

## 7.1 Task Cost Breakdown

## 7.2 Resources Cost Breakdown

# 8. QUALITY MANAGEMENT PLAN

# 9. ADMINISTRATIVE CLOSURE PROCEDURES

# 10. LESSON LEARNED REPORT

## 10.1 Human Resource Management **[Muhammad Izzat Bin Mohd Jamil, TP035719]**

## 10.2 Procurement Management **[Balram A/L Krishna Kumar, TP035446]**

## 10.3 Communication Management **[Ang Chee Siah, TP038259]**

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# 11. CONCLUSION