

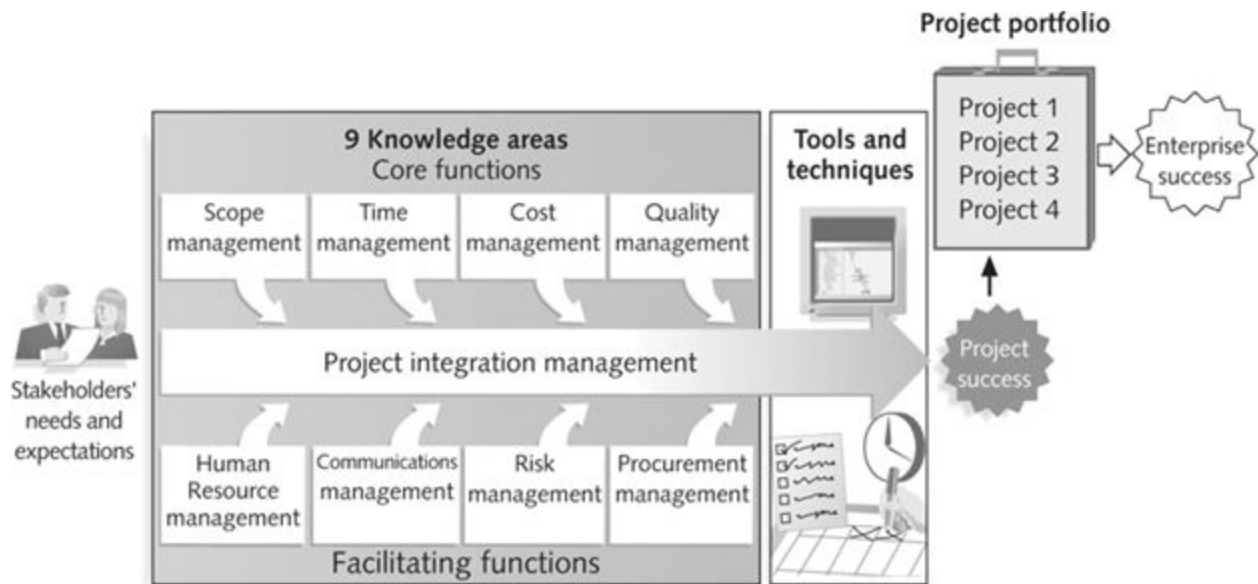
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**UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

## Lab 1: Project Management Framework

- 1) Group members :
1. Muhammad Fikrun Amin (B031810404)
  2. Mohd Hariz Bin Abdul Malek (B031810296)
  3. Muhammad Harraz Bin Harun (B031810426)
  4. Meor Amirul Ashraf Bin Jamalulail (B031810468)
- 2) Group Project Title: Dental and Mouth Medical Chatbot Project Management
- 3) Project Manager : Mohd Hariz bin Abdul Malek

Based on the lecture slides and related information given in ulearn, discuss the **Project Management Framework** as shown in **Figure 1** when relate to **Artificial Intelligence Project Management** and the chosen title as in step no 2.



**Figure 1: Project Management Framework**

## Scope Management

Our scope of project is to help people about dental and mouth diseases. Some of the people didn't know that they had the disease without realizing the symptom that occurs. Thus, the aim of our project is to develop an intelligent chatbot which helps in giving an answer about diagnosis and treatment of dental and mouth diseases.

## Time Management

Time management is important in order to complete the project in time. Thus, we will be dividing our task between group members. Besides that, in order to trace our project is on track we create a Gantt Chart so that each group member can use it as a timetable to see the task need to be complete.

## Human Resource Management

Human resource management is defined as a group of members who serve in an organization. Human resource management is about managing and organizing the team. To ensure that the group of members are able to contribute to the achievement of project goals , we have divided each group member into their respective task with clearly such as Project Manager. This is our group roles :

Name	Role
Mohd Hariz bin Abdul Malek	Project Manager
Muhammad Fikrun Amin	Software Developer
Muhammad Harraz bin Harun	Project Assistant
Meor Amirul Ashraf bin Jamalulail	Design Engineer

## Cost Management

Project cost management is one of the important things that need to be recorded and monitored because it involves project estimating, budgeting and controlling cost throughout the project. To make sure the project that has been running to be a successful project, the cost management needs to be successful. Firstly, the project must need to be completed as the time estimated. Next, the cost to run the project. This should not be a problem because it only needs a little resource that can be found on the internet. Furthermore, this project budget needs to be controlled to avoid unnecessary problems for the budget in the middle of the process. Thus, the cost controlled process will monitor this problem to ensure that it will not occur. To make this project successful, all this work needs to be completed successfully.

## Quality Management

Quality management is the overall characteristics and character of a product or service that affects the product's ability to satisfy certain needs. In this case, the Chatbot should be able to satisfy health checker needs, that is to diagnose dental and mouth diseases. Quality management in Chatbot for Dental and Mouth Diseases Diagnosis can be considered to have three main components: quality control, quality assurance,

and quality improvement. Quality management focuses not only on product quality but also on how to achieve it. Quality management uses quality assurance and controls over processes and products to achieve quality more consistently. For example, the Chatbot has to be interactive, consistent, understandable, user-friendly, and work properly for all conditions given related to dental and mouth disease symptoms. The things that really have to be avoided are malfunctions and create results that are far off the mark. Quality assurance has to make sure that the terrible things will not occur. And also quality improvement has to be a necessary point where it should be able to decrease the possibility of malfunction.

## **Communication Management**

Communication is simply the act of transferring information from one place, person or group to another and it also a key to communicate with our group members to avoid misunderstanding with each other and to make sure the project is complete successfully with receive a truth information from the group of members. In this project, when the project finish, all members groups will share their task or part and give a feedback of project.

## **Risk Management**

Risk management is a structured and systematic process of identifying, measuring, mapping, developing alternative risk management, and monitoring and controlling threats to our Chatbot. The common risks that can be identified for chatbot project case is security risks such as spoofing/impersonating someone else, tampering of data, data theft, And one-off events such as malware attacks or distributed denial of service (DDoS) attacks. After identifying the threats, our team has to take the right and efficient steps to monitoring, controlling, and prevent the threats so that consumers remain comfortable using this chatbot application. The initial anticipatory steps before there is an upcoming threats, our team will provide several features to prevent unwanted things happening in the future such as End-to-End Encryption, this can prevent anyone other than the receiver and sender from seeing any part of the message or transaction, Web Application Firewall (WAF), it protects websites from malicious traffic and harmful requests, and Messages That Self-Destruct, after the messaging on a chatbot concludes, or after a certain lapse of time, the messages and any sensitive data are erased forever.

## **Procurement Management**

Procurement management is one such form of management, where goods and services are acquired from a different organization or firm. All organizations deal with this form of management at some point in the life of their businesses. It is in the way the procurement is carried out and the planning of the process that will ensure the things run smoothly.

## **Tools and Technique**

1. Microsoft Word - To prepare important document and report of the project.
2. Microsoft Excel - To prepare project schedule and gantt chart.
3. Microsoft Project - To assist in managing the schedule and time.
4. Microsoft Powerpoint - To present our project.