

## Lab 1 – Project Management Framework

- Form a group of 3-4 members.

a. MUHAMMAD IQBAL BIN MOHAMAD YUNUS	B031910263	S1G1
b. MOHAMAD HAFIZ BIN ABU OSMAN	B031910313	S1G2
c. NURUL AQILAH BINTI ZUL HADI	B031910264	S1G2
d. MUHAMMAD AMSYAR BIN HAMDAN	B032010479	S1G1
- Select the title of the project which related to IT and AI.  
SMART ATTENDANCE SYSTEM
- Appoint a project manager.  
MUHAMMAD IQBAL BIN MOHAMAD YUNUS
- 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.

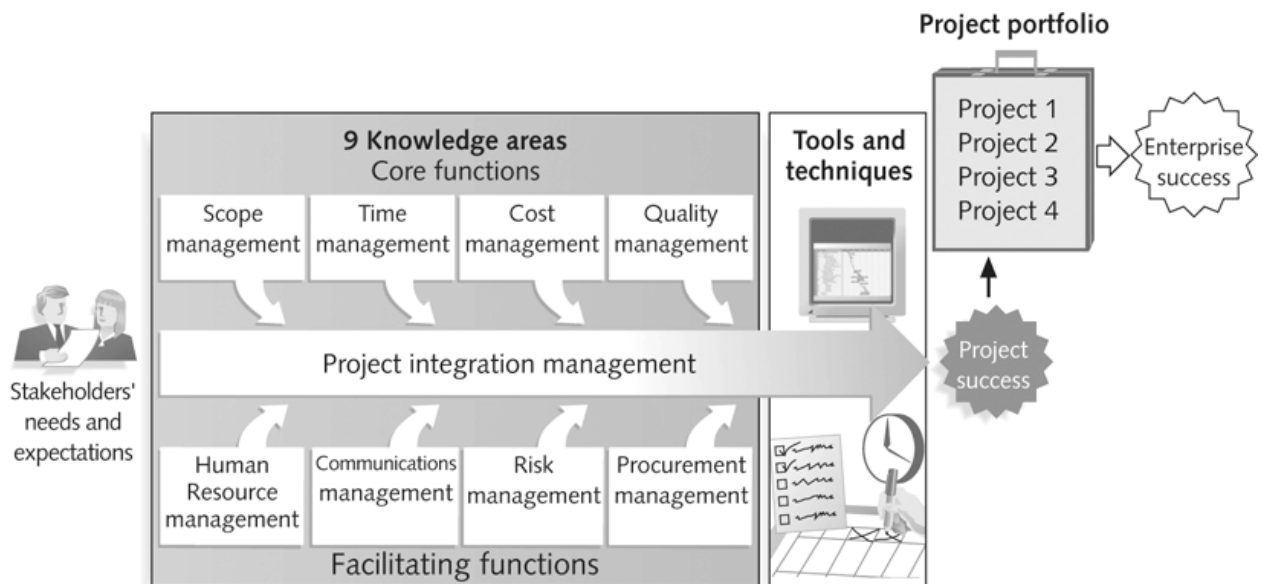


Figure 1 Project Management Framework

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.

## Project Management Framework

### 1. Core Functions

#### a. Scope Management

##### i. Target User

All students in schools.

#### b. Time Management

WORK BREAKDOWN STRUCTURE

PROJECT TITLE		Smart Attendance																													
PROJECT MANAGER		MUHAMMAD IQBAL BIN YUNUS																													
DATE		4/10/2021																													
WBS NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	PHASE ONE			PHASE TWO			PHASE THREE			PHASE FOUR																
						WEEK 1		WEEK 2		WEEK 3		WEEK 4		WEEK 5		WEEK 6		WEEK 7		WEEK 8		WEEK 9		WEEK 10		WEEK 11		WEEK 12			
						M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M
1	Physical planning and analysis	Iqbal, Hafiz, Aqilah, Agnes, Fatiha, Aqilah, Ammar	4/10/2021	4/10/2021	4																										
1.1	Produce and Verify project plan	Iqbal, Hafiz, Aqilah, Agnes, Fatiha, Aqilah, Ammar	4/10/2021	4/10/2021	4																										
1.2	Gathering project requirement	Iqbal, Hafiz, Aqilah, Agnes, Fatiha, Aqilah, Ammar	7/10/2021	10/10/2021	7																										
1.3	Produce software requirement specification	Iqbal, Hafiz, Aqilah, Agnes, Fatiha, Aqilah, Ammar	18/10/2021	21/10/2021	4																										
2	Design and Implementation																														
2.1	Interface design	Aqilah, Ammar	22/10/2021	28/10/2021	5																										
2.2	Image pre-processing	Iqbal,Hafiz	22/10/2021	1/11/2021	7																										
2.3	Segmentation	Iqbal,Hafiz	2/11/2021	10/11/2021	7																										
2.4	Feature extraction	Iqbal,Hafiz	11/11/2021	17/11/2021	5																										
2.5	Face recognition	Aqilah, Ammar	18/11/2021	25/11/2021	5																										
3	Testing																														
3.1	Conduct testing	Aqilah, Ammar	28/11/2021	6/12/2021	7																										
4	Maintenance																														
4.1	Fixing bug	Iqbal, Hafiz	7/12/2021	10/12/2021	7																										
4.1	Full documentation	Iqbal, Hafiz, Aqilah, Ammar	16/12/2021	24/12/2021	7																										

#### c. Cost Management

Module	Cost (RM)
Salary - Project Manager - Software Engineer - Designer -Project Analyst	100K
Face Detection -Laptop -Camera -Software	30K

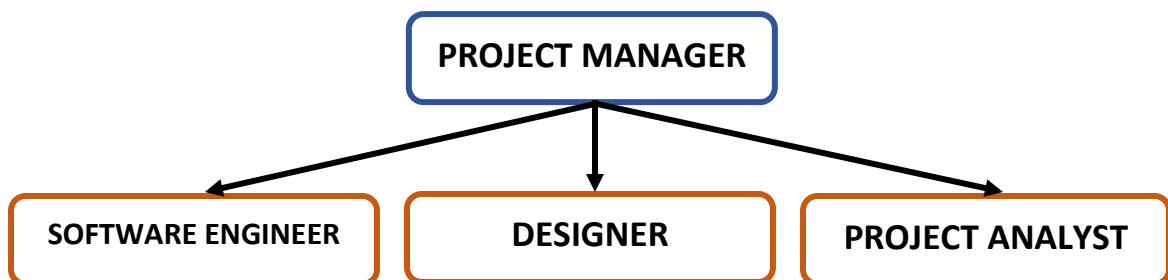
#### **d. Quality Management**

Quality management is the practice of preventing quality failures. Below are the quality management techniques that can be used to test the project development.

- Quality: The tangible and intangible that give things value and make them fit to purpose
- Reliability Engineering: Designing things to maintain their quality over time in a variety of real world conditions
- Testing: Confirming that products, services and features follow the requirements
- Quality Control: Testing the production of products and delivery of services
- Quality Assurance: Addressing the causes of quality failures by improving designs, inputs, processes, systems and reducing human error

## **2. Facilitating Functions**

### **a. Human Resources Management**



### **b. Communication Management**

- i. Pull out the project plan to get an idea of the wider picture.
- ii. Build a strategy to communicate.
- iii. Asking questions and interacting with people.
- iv. Report of the project needs to be prepared.

**c. Risk Management**

<b>Control Element</b>	<b>What is likely to go wrong?</b>	<b>How and when will I know?</b>	<b>What will I do about it?</b>
<b>Quality</b>	Image recognition fail to detect face	In the student attendance process, the system will unable to detect face	Using the right algorithm for image recognition
<b>Time</b>	It takes time to develop a system.	At the end of the dateline	Make a schedule and organize the work in a group.
<b>Cost</b>	Equipment to run expensive	When the project's cost turns out to be more than expected at the start.	Increase the budget for the system

**d. Procurement Management**

Smart Attendance System is used to take students' attendance in school. All students' face will be scanned and saved into the database as a sign of their attendance in school. This process will be repeated once a day, everyday. All teachers need to ensure that all students follow the SOPs' when the attendance process is being carried out.