Project Closing

1. Acceptance/Project Completion Form Sign-Off

CUSTOMER ACCEPTANCE/PROJECT COMPLETION FORM

31 DECEMBER 2021

Project Name: Computer Vision Image Similarity Search for Trademark

Project Manager: Krishnar Ram A/L Murugan

I (We), the undersigned, acknowledge and accept delivery of the work completed for this project on behalf of our organization. My(Our) signature(s) attest(s) to my (our) agreement that this project has been completed. No further work should be done on this project.

Name	Title	Signature	Date
Shazani Abdul Humid	**Executive Manager**	*Shazani*	**5 January 2022**
Ken Lee	**Managing Director**	*Ken*	**5 January 2022**

1. Was this project completed to your satisfaction?   **<u>Yes</u>** / No

2. Please provide the main reasons for your satisfaction or dissatisfaction with this project. The project was successful and met our expectations. With the confidence and great work from the project manager, Krishnar and other teammates, we were able to ease all the issues that have been faced throughout the project and everything went smoothly.

3. Please provide suggestions on how our organization could improve its project delivery capability in the future.
   The suggestion is on increasing the number of people working on the project as we noticed that it took longer period to complete our weekly milestones as we only have limited staff for this project. More staff can have more ways to distribute the work efficiently.

Thank you for your input

2. Lessons Learned Document

Lesson-Learned Report

31 DECEMBER 2021

Project Name: Computer Vision Image Similarity Search for Trademark

Project Sponsor: BigSoft International Sdn. Bhd.

Project Manager: Krishnar Ram A/L Murugan

Project Dates: 15 October 2021 – 5 January 2022

Final Budget: RM 1,202,620

a. Did the project meet scope, time and cost goals?
   Yes, we did meet the scope, time and without going overbudgets. Our scope are perfectly met, as all the modules in the systems are working well.

b. What was the success criteria listed in the project scope statement?
   The success criteria listed include the image need to be recognized properly so that it can be detected to search for the similarity of the image accurately. Besides, meet with the buyers needs and requirements also the success criteria listed in our project.

c. Reflect on whether or not you met the project success criteria.
   Yes, our system successfully achieves what we have planned in the initial stage in this project. It meets our goal upon finishing the system. The system can search for the similarity of the trademark image and return to the interface. It gets the satisfaction from our customers.

d. What were the main lessons your team learned from this project?
   The main lessons that our team learned is having good teamwork and well communication between team members is the key to make the project success. In our project, every members have their own roles and we work together to deal with all the issues during our project development. We often communicate the get the update for the progress from every members to make sure the progress went smooth in order to complete the project within the estimated time. Other than that, WBS Gantt Chart is very important throughout our project as we can follow the Gantt chart which have been planned at initial to make our project successful. Some portion of time also can be adjusted accordingly if the milestones is delayed. Every member can work together based on the Gantt chart to develop all parts of the system.
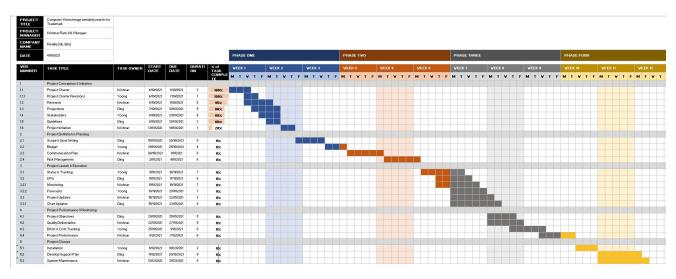
3. Final Project Report

1.0 Project Objectives:
The computer vision image similarity search for trademark project done by Realify Sdn. Bhd. was intended to develop an artificial intelligence system that are able to search for the similarity of the trademark. It can help to compare the trademark with existing registered trademarks to determine for its uniqueness and avoid for plagiarism. We also intend to build a simple GUI for the future ease in trademark similarity search.

2.0 Summary of Project Results:

Upon finishing the project, we manage to develop system that are able to search for the similarity of trademark.

3.0 Original and Actual Schedule

4.0 Original and Actual Budget

4.1 Cost Estimation:

PROJECT TITLE	Computer Vision Image Similarity Search for Trademark
PROJECT MANAGER	Krishnar Ram A/L Murugan (B031910013)
GROUP MEMBER NAME	Yoong Cheng Nee (B031910119), Ding Xue Wing (B031910353)
GROUP NAME	Realify
COMPANY NAME	Realify Sdn. Bhd.
DATE	8/11/2021
GITHUB	

	#Units/Hrs	Cost/Unit/Hr	Subtotals	WBS Level 1 Totals	% of total
Project Cost Estimation					
WBS Items					
1. Project Management				RM290,200	24
Project Manager	960	RM100	RM96,000		
Project team members	1920	RM75	RM144,000		
Contracters (10% of software development and testing)			RM50,200		
2. Hardware				RM46,000	4
2.1 Handheld devices	50	RM600	RM30,000		
2.2 Servers	4	RM4,000	RM16,000		
3. Software				RM463,000	38
3.1 Licensed software	100	RM200	RM20,000		
3.2 Software development*			RM443,000		
4. Testing (10% of total hardware and software costs)			RM59,000	RM59,000	5
5. Training and Support				RM144,000	12
Project team members	1920	RM75	RM144,000		
6. Reserves (20% of total estimate)			RM200,440	RM200,440	17
Total project cost estimate				RM1,202,640	

4.2 NPV value:

PROJECT TITLE	Computer Vision Image Similarity Search for Trademark
PROJECT MANAGER	Krishnar Ram A/L Murugan (B031910013)
GROUP MEMBER NAME	Yoong Cheng Nee (B031910119), Ding Xue Wing (B031910353)
GROUP NAME	Realify
COMPANY NAME	Realify Sdn. Bhd.
DATE	25/10/2021
GITHUB	

Calculate Net Present Value (NPV)

		2020	2021	2022	2023	2024	2025	2026	2027
		Actuals	Plan	Plan	Plan	Plan	Plan	Plan	Plan
Cash Flows	Total	$ 1,000,000	$185,000	$225,000	$230,000	$288,000	$301,000	$343,300	$2,394,795
Discounted Rate (Risk)	10.0%								
NPV (Manual)	$ 2,333,232		$ 168,182	$ 185,950	$ 172,802	$ 196,708	$ 186,897	$ 193,784	$ 1,228,908
NPV (Formula)	$ 2,333,232								
The higher the NPV, the better means the return from a project exceeds the cost of capital	$ 1,333,232 / 57%								

5.0 Transition Plan

The staff from Realify Sdn. Bhd. will provide fully support when required. The staff provide the supports for the system are shown as below:

i.   Provide system maintenance
ii.   Handling errors and updates of system
iii.   Provide user guidelines for Bigsoft int. staff in using the system.
iv.   Report the user feedback to the management in order to improve the system

4. Close Contract

CLOSE CONTRACT

Realify Sdn. Bhd., Contract Closure Notice

5/1/2022

This letter provides formal notice that the work contracted with BigSoft Int. Sdn. Bhd. has been completed. Realify Sdn. Bhd. has developed a Computer Vision Image Similarity Search for Trademark that can search for the similarity of trademark image.

Krishnar Ram, the project manager, has provided the following performance assessment for the cooperation provided:

"We were very pleased with the cooperation provided from BigSoft Int. Sdn. Bhd. The staff from BigSoft Int. Sdn. Bhd. have given full cooperation are willing to have good communication with Realify Sdn. Bhd. so that the whole project can be done in a very smooth pace. We were extremely happy to work together with Bigsoft Int Sdn. Bhd. and we are looking forward for the next collaboration."

By: Krishnar Ram, CEO, Realify Sdn. Bhd.

Date: 5/1/2022