Secondary 2
Chapter 1
Microsoft Computer Vision
Assessment Task

Name: _____ Class: _____ Class Number: _____

A. About the Task

You are required to design a Computer Vision App and write a descriptive paragraph with the aid of the image description generated by the app.

B. Objectives

By completing the task, the students will be able to

1. get familiar with the basic features and operations of MS Power Apps.
2. use common functions provided on Power Apps to build a Computer Vision App.
3. write a descriptive paragraph with the aid of the image description generated by the app.

C. Duration

2 cycles of Computer Literacy and English lessons.

D. Procedure

1. Download the word file called "*Chapter01_Assessment_Task_Eng.docx*" from the eClass system.
2. Finish **Tasks 1-2 (Compulsory)**.
3. Finish **Tasks 3-5** (Optional).

E. Method of Submission

After completing Tasks 1 and 2, send the files to the teacher via the eClass system.
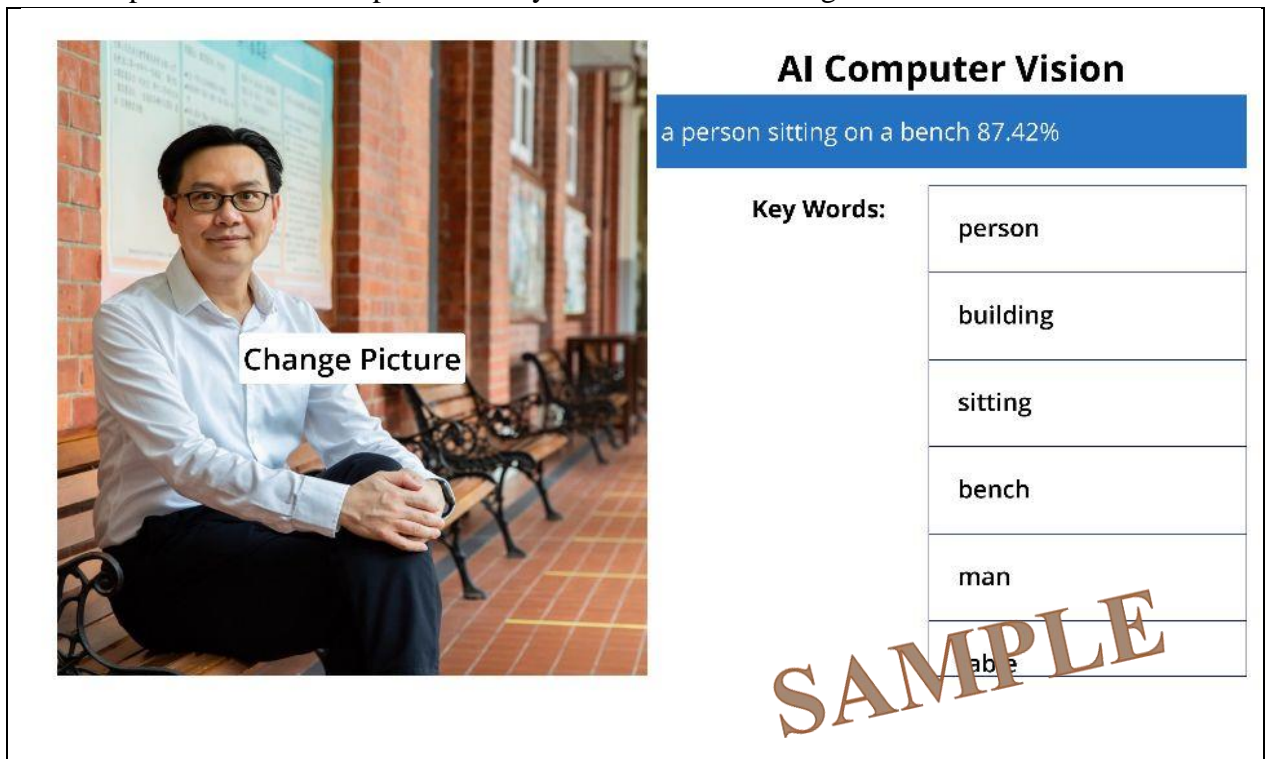
F. Grading Criteria

1. All students are required to complete Tasks 1 and 2.
2. Students who complete Tasks 3 and 4 can achieve a higher score.
3. High flyers are highly recommended to complete all the tasks to achieve the highest score.

Task 1: Build Your First Computer Vision App (Compulsory)

1. Refer to the note on Activity 1, build a Computer Vision App using Microsoft Power Apps.
2. Save and preview your app.
3. Save as (download) your project to '<your class + class number>.msapp' for further amendments.
4. Send the files to the teacher via the eClass system.

Task 2: Publish the App and run it on a cell phone/tablet (Compulsory)

1. Refer to the note on Activity 2, open your App on Power Apps Home.
2. Save and Publish.
3. Install Power Apps, log in and run the app on a cell phone/tablet.
4. Take a photo with your App.
   Criteria: Confidence Score >80
5. Paste the photo with a description and keywords to the following table.

Task 3:   AI interpretation is not your expectation (Optional)

1. Refer to the note on Activity 3, open your App on Power Apps Home.
2. Save and publish your app.
3. Install Power Apps, log in and run the app on a cell phone/tablet.
4. Take a photo with your App.
    Criteria: Confidence Score <70
5. Paste the photo with a description and keywords to the following table.

6. Write your comments for the photo with low confidence score descriptions in the following table.

Hint: https://brainberry.ua/newsroom/blog/computer-vision-technology-common-mistakes

Task 4:   CL and English Cross-curricular Project: Computer Vision x Descriptive Writing (Optional)

1. Open your App on Power Apps Home.
2. Refer to the note on Activity 4, add a text input box to the app.
3. Save and publish your app.
4. Login to Mobile App and take a photo for interpretation.
5. Write a paragraph describing the image in the text input box of the app.
6. Capture your screen and paste it to the following table.

Task 5: **CL and English Cross-curricular Project: Computer Vision x Descriptive Writing with email function (Optional)**

1. Open your App on Power Apps Home.
2. Copy the App with another name, eg: AI_Vision_Email(2A01).
3. Refer to the note on Activity 5, design an email box for the app.
4. Save and publish your app.
5. Login to Mobile App and take a photo for interpretation.
6. Write a paragraph describing the image in an email box of the app and send an email to your email address for further writing.
7. Capture your screen and paste it to the following table.