Task 4.1 Pass: Computer Vision

This document supplies detailed information on Assessment Task 4.1 for this unit.

Key information

- **Deadline: Monday 9 April 2023 by 11.59 P.M. IST**

Overview:

During week 4, you have learnt about the computer vision as one of the important AI services and we have discussed some of the advanced machine learning models in this area. We also explored Azure computer vision and went through the codes how you can use Azure computer vision and custom vision services.

In this task, you need to develop a model to detect an different objects in images with the coordinates. **To do this task you need to use Azure computer vision.** This will help you to understand how to get access to advanced algorithms that process images.

To do this assignment, you need to refer to week 4 lectures and recordings.

Submission details:

For this task you need to develop a program to detect different objects in images with their rectangles coordinates. To do this task, use the computer vision SDK to detect different objects on Azure.

It is recommended to follow the instruction on slides seminar and lecture recording for week 4.

Submit the following files on Olympus:

- **Submit your answers as a PDF file. You need to answer the following parts in your document.**
    - Please explain cell by cell of your code from reading a local image to object detection, drawing a bounding box around different objects. To complete this task, you need to provide the screenshot of your code and explain cell by cell of the code and explain what sort of API is being used.

Instruction:

1. Review the week 4 (slides and videos) and follow them to understand how to use advanced computer vision algorithms on Azure.
2. You need to provide a document includes screenshot of your developed model.
3. Submit the task on Olympus.