

## Task 4 P: Computer Vision

This document supplies detailed information on Assessment Task 4 for this unit.

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### Key information

- **Deadline: 7th April 2024, by 11.59 pm IST**

### Overview:

During week 4, you have learnt about 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 on how you can use Azure computer vision and custom vision services.

In this task, you need to develop a model to detect different objects in images with the coordinates. It can be any image with different objects. **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 lecture and Olympus content.

### Submission details:

For this task you need to develop a program to detect different objects in images with their rectangle's coordinates. It can be any image with different objects. To do this task, use the computer vision SDK to detect different objects on Azure.

It is recommended to follow the instructions in the session for week 4.

### Submit the following files:

- **Submit your answers as a PDF file. You need to answer the following parts in your document.**
  - o 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 Olympus content for 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 including a screenshot of your developed model.
3. Submit the task to Olympus.

## Referencing

You must correctly use the Harvard method in this assessment. See the Deakin referencing guide.

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