**Project description**

The following document describes the expected deliverables based on the chosen

image dataset. Each module needs to be adequately implemented to pass the learning

outcome.

**MODULE 1 (21 points):** Prepare an image dataset for model training purposes, divide

into a training and validation dataset, and pick and adequate model for training.

**MODULE 2 (21 points):** define classes of objects that the model detects on images and

measure the precision of object detection. Compare different architectures of models to

improve the results.

**MODULE 3 (21 points):** implement an algorithm in Python for chosen computer vision dataset and

demonstrate the functionality. Compare your model with state of the art models using evaluation metrics

**MODULE 4 (21 points):** Enrich the dataset by adding custom images. Add and annotate images based on your computer vision problem. For example, this could be semantic annotation and rectangle annotation for annotating object on images to enhance the dataset and measure the accuracy.