

# Machine Learning

## Assignment

### Monsoon 2020

## 1 Instructions

- Read the instructions and assignments carefully.
- The name of your main programming file must be, your name + "\_" + assignment code. The the assignment code (e.g., AssignML01) is given in the beginning of the assignment.
- Create a folder with the same name as the main programming file and keep all the files in that folder. Then make it .zip file and upload it in the given link.
- Submit the assignment on time. Otherwise, it could lead to a heavy penalty.

## 2 Assignment

**AssignML01(10 points):** Consider the CIFAR10 dataset for image classification. Find the average image of each class. Find the distances between the average images and a test image. Classify the test image based on the minimum distance. Submit the average images (files: ai1.png, ai2.png,...) and the classification result (create a confusion matrix) for the test dataset.

The **deadline** for the submission of AssignML01 is **30-09-2020**.