

**Summer Semester 2022-23**  
**ITA6016 Machine Learning**  
**Lab Assessment Task -5**

**Answer All the Questions**

**2 x 3 = 6**

1) Develop a fruit classification model using “InceptionV3Net” transfer learning technique and compare the validation performance.

Dataset: <https://www.kaggle.com/datasets/moltean/fruits>

2) Use data augmentation techniques on the fruit classification model and check the importance of the data augmentation technique on fruit image classification.

*(Submit the PDF version of the both solutions as single file)*