



In the Name of Allah

Assignment 4

Deadline : 1401 / 02 / 08

1. Build a **Pytorch** model on the Plant Seedlings Competition of Kaggle. You can download the dataset from the following link :

<https://www.kaggle.com/competitions/plant-seedlings-classification/data?select=train>

Objectives :

- Use convolutional neural networks (CNN) to build the model (Do not use any augmentation or transfer learning) and report your results (Loss, Accuracy, samples plots of model performance on test data)
- Next, try using data augmentation techniques to boost the performance of your model (Report your results as in section 1).
- Next, Use transfer learning (use VGG network) and report your results as in section 1.

Good Luck