**Pose classification**

The purpose of this assignment is to classify the different poses based on the 17 key points of the body.

**Input**: the list of numpy arrays which stored heatmap which is the output of [ViTPose](https://github.com/ViTAE-Transformer/ViTPose). The shape of each numpy file is [1, 17, 64, 48] which corresponds to 17 key points in the body. All numpy files in the same folder belong to the same class. There are a total of 17 classes (*action\_down, action\_inside, action\_new, ….*)**.**You can download the data [here](https://drive.google.com/file/d/1TskFaZx8l1GteiuOA01H3zzQ5_FGHXAp/view?usp=sharing)

**Task**: Apply classification algorithm to classify the pose of the input heatmap.

**What should need to be submitted:**

* Source code + trained model file
* Readme file describe how to deploy model, predict new dataset
* Short summary in which describe why you chose the method, what is the limitation, how to improve