

Assignment (Day 4)

Instructions:

Date: 21/12/2023

1. **Coding must be done using Python, and available libraries such as numpy, pandas and scikit learn can be used.**
2. Proper indentation and appropriate comments are mandatory.
3. You should zip all the required files and name the zip file as ***name.zip***, e.g. ***abc.zip***.

Assignment:

1. Download the DermaMNIST dataset and analyse it.
2. Create a Feed-Forward Neural Network (FFN), Convolutional Neural Network (CNN), and RESNet Model over the dataset to observe the comparative analysis.

Dataset:

1. Install the MedMNIST library (**preferred method**)
!pip install medmnist
from medmnist import DermaMNIST

train_dataset = DermaMNIST (split='train', download=True)
2. dataset link: <https://zenodo.org/records/6496656/files/dermamnist.npz?download=1>