

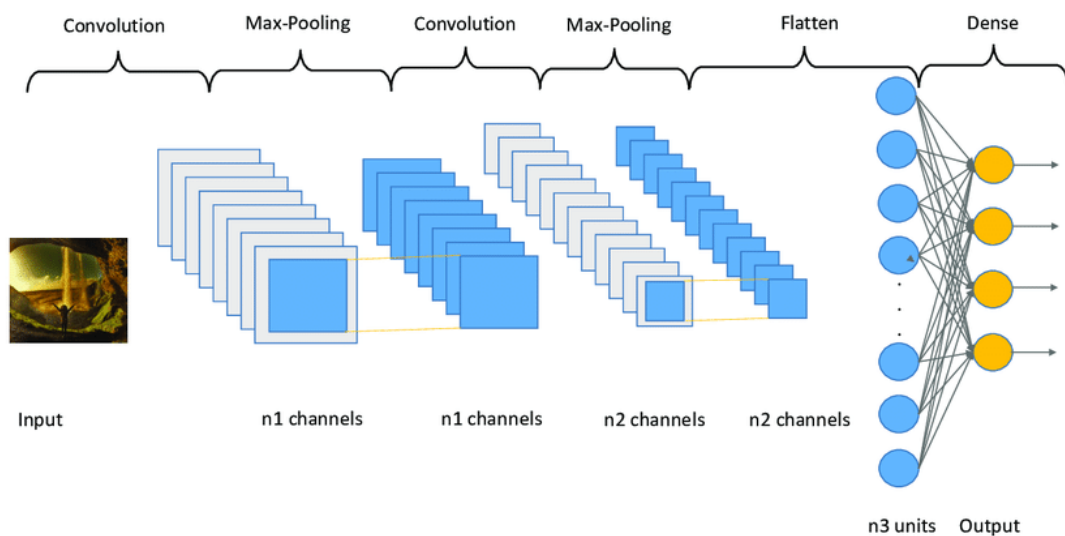
## Homework 7

### Instruction (40pt):

Try to design a convolutional neural network for handwritten digits classification.

Prepare a pdf document to report your homework containing the following information in two weeks.

1. Show your network architecture like the figure below



2. Show your code

3. Show the training and testing information

4. Show the test results

Some available example:

Tensorflow:

[https://github.com/aymericdamien/TensorFlow-Examples/blob/master/tensorflow\\_v2/notebooks/3\\_NeuralNetworks/convolutional\\_network.ipynb](https://github.com/aymericdamien/TensorFlow-Examples/blob/master/tensorflow_v2/notebooks/3_NeuralNetworks/convolutional_network.ipynb)

Pytorch:

[https://github.com/yunjey/pytorch-tutorial/blob/master/tutorials/02-intermediate/convolutional\\_neural\\_network/main.py](https://github.com/yunjey/pytorch-tutorial/blob/master/tutorials/02-intermediate/convolutional_neural_network/main.py)