# Convolutional Layer:

* Convolutional layers are the layers where filters are applied to the original image, or to other feature maps in a deep CNN. This is where most of the user-specified parameters are in the network. The most important parameters are the number of kernels and the size of the kernels

# Dense Layer:

* In any neural network, a dense layer is **a layer that is deeply connected with its preceding layer** which means the neurons of the layer are connected to every neuron of its preceding layer. This layer is the most commonly used layer in artificial neural network networks

# Max Pooling Layer

* Max pooling is **a pooling operation that selects the maximum element from the region of the feature map covered by the filter**. Thus, the output after max-pooling layer would be a feature map containing the most prominent features of the previous feature map.

# Flat Layer:

* Flattening is **used to convert all the resultant 2-Dimensional arrays from pooled feature maps into a single long continuous linear vector**. The flattened matrix is fed as input to the fully connected layer to classify the image