**POOLING LAYER**

**Drawbacks convolutional layers introduces more number of parameters and pooling layer fully discarded some pixel wise information we need a better and more efficient way to neural network model to sure to the process of receptive field to solve for a solution problem well**

For image restoration problems such as super-resolution and denoising, image details are very important. Therefore, most deep-learning approaches for such problems do not use pooling. Increasing depth by adding a new weight layer basically introduces more parameters. Two problems can arise. First, overfitting is highly likely. More data are now required. Second, the model becomes too huge to be stored and retrieved.