Artificial neural networks were invemted in 1943 but could not get popular for application in wider area. Few reasons Behind faliure of ANN are summarized below:

### **1) Training issues**

Machine needs sufficient representative examples in order to capture the underlying structure that allows it to generalize to new cases. In nineties, Information technology world was florishing and there was lack of sufficient data for training. After 1970, major pioneer institute start working on the task of gathering data, Image net, wordnet, dppedia are result of this. Major companies like facebook, google, microsoft started crowd souceing data from users by providing free image (google image, onedrive), video(youtube), text(messenger, Allo, gmail, hotmail) services. With penetration of mobile in life, data started increasing day by day and we reached at point where data was sufficient. Now with this data algorithm could be trained to achieve certain level of generalization.

**2) Theoritical issue**

This was the bigger issue needed to be addressed before data issue. Earlier algorithm like artificial neural network with back propagation were not powerful. In ANN, hidden layer are responsible for forming memories and in turn means more will be the hidden layer more will be the learning potential of the network. In ANN one cannot go for more than two hidden layers due to foloowing reasons:

1)