

# DEEP LEARNING PRACTICAL 5

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**Code :-** [https://github.com/visheshtechie/DL/blob/master/Lab5\\_Keras\\_Layers\\_J018.ipynb](https://github.com/visheshtechie/DL/blob/master/Lab5_Keras_Layers_J018.ipynb)

## **Aim :-**

To evaluate accuracy of PIMA Indians datasets.

Observations :-

3 layers of Sequential model were built. 1<sup>st</sup> layer has activation of relu. 2<sup>nd</sup> layer also consists of relu. The output layer has activation function of sigmoid. The model is compiled with loss as binary cross entropy, optimizer adam is used. Epochs are 50 and batch size is 10. Accuracy of the models is not that great of 65.10%.

Accuracy: 65.10

Conclusion :-

PIMA Indians dataset on diabetes accuracy using Sequential model is 65.10%.