	Topic :	PRACTICAL NO 02	Page No. : Date. : / /
•	AIM		
•	erras f	TensorFlow. TensorFlow. Int the feedforwood ne	
0	software P	equirements:	
	51 NO	Nome	version
		Python, Jupyters Notebook	3.9-3.12
)	2	Window os	10.11
-	Outcomes Build f t various ap	rain deep neural networ	k model for use in
9,21 1971 - 1982	district Available		ng and a state of the state of

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	Topic:	Page No. : Date. : / /
•	Theory	
	Feed Forward Newral Network	Santana di bar dan da
_	Feed Forward Neural networ neural network where cons do not Form cycles.	
	The network consist of an hidden layers of an output Information flows in one of output - hence the name	irection - from input to
		○ →
5)	only forward	Direction
#	Evaluation of Feed Forward n	eural networt
	The proportion of correctly of the total instances	classified instances out
<u>a</u>	Proccision - The Eation true positive proedicted positives.	procediction to the total For Educational Use Only

Topic:_

3 Recall -

The ratio of true positive proedictions to the actual positives

4) FI score -

The harmonic mean of precision of secall, providing a balance between the two

5 confusion Matrix -

A table used to describe the performance of a classification model, showing the true negative, true positive, False positive, False

Trooining a Feed Forward Neural Network.

input data passes through the network of the output is calculated.

2 Loss calculation -

The Loss (error) is calculated using a loss function such as Mean squared error for regression tasks.

3 Back propagation.

In Backpropagation the error is propagated backfrough the Network to update the weights.

The weights one adjusted using gradient descent

	Page No.:
	Topic: Date.:
	ateps-
	Impact the
	Import the necessary packages.
2]	load the training of testing data (MINIST)
3	Define the network architecture using keros
The second secon	Train the model using SQD
	Evaluate the network
	Lialage the network
6	Plot the training loss faccuracy.

	Topic : Page No. : Date. : / /			
	<u>conclusion</u> →			
	Thus, we implemented Feed Forward Neural Network by kerras of Tensorflow by following all the steps mentioned above.			
D -				
)				
K.				
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