

S. No.	Date	Title	Page No.	Teacher's Sign/Remarks
1.	24.04.25	Exploring The Deep Learning Platforms.		
2.	7.08.25	Implement a classifier using open-source Dataset.		
3.	7.08.2025	Study of the classifier with respect to statistical parameters.		
4.	14.08.2025	Build a single Feed Forward neural network to recognise handwritten characters.		

24/07/05

Exp 1: EXPLORING THE DEEP LEARNING PLATFORMS

AIM: To explore the various deep learning Platforms.

Google Colab:

- * Free online Jupyter Notebook with GPU / TPU.
- * Ideal for students, researchers, hobbyists.
- * It can be accessed with Google account.

Jupyter Notebook:

- * It is not a framework, but an interactive coding environment.
- * Combines Codes, markdown, outputs.
- * Popular for exploration, visualization, tutorials.

TensorFlow:

- * It is static graph Execution.
- * Debugging is harder due to static graph.
- * Scalability across GPUs / TPUs and distributed systems.

PyTorch

* It is Dynamic computational graph

* Debugging is easier with Pythonic structure.

* Use this for flexibility, research, and fast experimentation

Result:

Therefore the experiment is successfully completed.