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|  | **VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**  **(AUTONOMOUS)**  **Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK,NAAC Accredited with ‘A’ Grade, ISO 9001:2015 Certified**  Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com) |

**List of Experiments in Deep Learning Lab:**

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| **S.No** | **Name of the Experiment** | **Date of conduction** | **Date of submission** | **Signature** |
| 1 | Installation and working on python, Jupyter, and its different libraries for deep learning (Tensor Flow, NumPy, Kera, Pandas, Matplotlib, etc.) | 26-12-2023 |  |  |
| 2 | To implement a Multilayer Perceptron (MLP) using Keras with TensorFlow for regression problem (house price prediction). | 02-01-2024 |  |  |
| 3 | To predict housing prices in Boston using Linear Regression and Ridge regression taken the Boston Housing Dataset . | 09-01-2024 |  |  |
| 4 | To implement a MLP using keras with TensorFlow for classification problem (heart disease predication). | 10-01-2024 |  |  |
| 5 | To implement a Convolution Neural Network (CNN) for dog/cat classification problem using keras. | 23-01-2024 |  |  |
| 6 | To Implement a LeNet-5 for object detection in the given image. | 06-02-2024 |  |  |
| 7 | To Implement a VGG16 for object detection in the given image. | 13-02-2024 |  |  |
| 8 | To Demonstrate working of dropout and early toping on Spotify dataset. | 27-02-2024 |  |  |
| 9 | To implement a Recurrent Neural Network (RNN) for predicating time series data. | 05-03-2024 |  |  |
| 10 | To implement a Long Short-Term Memory (LSTM) for predicating time series data. | 19-03-2024 |  |  |

**Lab in-charge**