

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IV Yr I SEM

DEEP LEARNING LAB

1. Implementation of Linear Regression.
2. Deep learning Packages Basics: Tensor Flow, Keras and PyTorch.
3. Implementation of Neural network.
4. Build your own CNN from scratch for face recognition and try to achieve the highest possible accuracy on any dataset .
5. Sentiment Analysis using LSTM.
6. Language Modeling using RNN.
7. Sentiment Analysis using GRU.
8. Image Classification with Transfer Learning.
9. Case Study: Implement all deep learning pre-trained models (GooLeNet, VGGNet, AlexNet, ResNet, Xception) on any dataset and analyze the accuracy.