SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC-Autonomous Institution

III B.Tech II Semester External Lab Examinations, APRIL-2025

DEEP LEARNING WITH TENSOR FLOW

Department of Artificial intelligence and Machine learning

1.Implement a Recurrent Neural Network for IMDB movie review classification problem

2. Design a neural network for classifying movie reviews (Binary Classification) using IMDB dataset.

3. Build a Convolution Neural Network for simple image (dogs and Cats) Classification

4. Use a pre-trained convolution neural network (VGG16) for image classification.

5. Design a neural network for Implement one hot encoding of words or characters.

6. Design a neural Network for classifying news wires (Multi class classification) using Reuters dataset.

7. Design a neural network for predicting house prices using Boston Housing Price dataset.

8. Build a Convolution Neural Network for MNIST Hand written Digit Classification.

9. Design a neural network for Implement word embeddings using IMDB dataset.

10. Implement multilayer perceptron algorithm for MNIST Hand written Digit Classification.

Internal Examiner External Examiner