

DEPARTMENT OF COMPUTER APPLICATIONS 24MCF07 – DEEP LEARNING LABORATORY

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Register Number : **24MCR107**

Branch : **Computer Applications**

Semester **III**

Certified that this is a bonafide record of work for the above student for **24MCF07 – DEEP LEARNING LABORATORY** during the academic year **2025- 2026.**

Submitted for the End -Semester Practical Examination held on

**Lab In-Charge Head of the Department**

**Examiner - 1 Examiner - 2**

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LIST OF EXPERIMENTS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Date** | **Exercise Name** | **Page No.** | **Marks** | **Signature** |
| **1** |  | IMPLEMENT SIMPLE PERCEPTRON  LEARNING |  |  |  |
| **2** |  | MULTILAYER PERCEPTRON WITH HYPERPARAMETER TUNING |  |  |  |
| **3** |  | GENERATE SYNTHETIC IMAGES USING DATA AUGMENTATION |  |  |  |
| **4** |  | ROLE OF IMAGE DATA GENERATOR CLASS IN DATA AUGMENTATION |  |  |  |
| **5** |  | CNN PROCESS FOR IMAGE CLASSIFICATION. |  |  |  |
| **6** |  | RNN ARCHITECTURE FOR TIME SERIES DATA. |  |  |  |
| **7** |  | NLP TEXT ANALYSIS STEPS |  |  |  |
| **8** |  | DEEPDREAM & NEURAL STYLE TRANSFER |  |  |  |
| **9** |  | VARIATIONAL AUTOENCODER (VAE) FOR SYNTHETIC IMAGES |  |  |  |
| **10** |  | GAN (GENERATIVE ADVERSARIAL NETWORK) |  |  |  |