

**Artificial Intelligence Laboratory (CSE - 3812)**

**Offline - 04**

**From**

|  |  |
| --- | --- |
| **Name** | Md. Faiyaz Abdullah Sayeedi |
| **Section** | E |
| **Email** | [msayeedi212049@bscse.uiu.ac.bd](mailto:msayeedi212049@bscse.uiu.ac.bd) |
| **Mobile** | +8801704054900 |
| **Student ID** | 011212049 |

**To**

|  |  |
| --- | --- |
| **Name** | Md. Rahad Khan |
| **Email** | [rahad@cse.uiu.ac.bd](mailto:rahad@cse.uiu.ac.bd) |
| **Date of Submission** | 19/08/2023 |

**Logistic Regression Accuracy Table**

|  |  |
| --- | --- |
| **Learning Rate (lr)**  **Max Iteration = 500** | **Validation Accuracy** |
| 0.1 | 52.59% |
| 0.01 | 38.79% |
| 0.001 | 62.07% |
| 0.0001 | 54.31% |

Chosen Learning Rate (lr) = 0.001

Test Accuracy = 70.43% (lr = 0.001)

