**Assignment - Marking Rubric**

Following rubric will be used in evaluating the assignment. The report should contain the following information, along with the code as an appendix (not screenshots). Also, the code should be attached separately. The submission should be a single zip file with the registration no. as the file name.

**For Supervised/Unsupervised/Generative learning**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Criteria** | **Good (10-8)** | **Average (4-7)** | **Poor (0-3)** |
| **1** | **Selection of an appropriate dataset** (the dataset should not be part of a tutorial and should be complex enough and should be hosted somewhere.) |  |  |  |
| **2** | **Description of the dataset** (the link to the dataset should be given. The attributes of the dataset should be properly described. The context of the dataset, size and other parameters should be described) |  |  |  |
| **4** | **Application of the appropriate Deep learning architectures**(justification for selecting the architectures. Introduction and background of the architectures) |  |  |  |
| **5** | **Implementation** (code quality, comments and readability of the code) |  |  |  |
| **6** | **Results** (test results) |  |  |  |
| 7 | **Critical analysis and Discussion** (Which architecture performs better and what could be the reason? How can the accuracy could be improved? Possible future work) |  |  |  |

**For Reinforcement learning**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Criteria** | **Good (10-8)** | **Average (4-7)** | **Poor (0-3)** |
| **1** | **Selection of an appropriate problem** (the actions and the environment should be of enough complexity) |  |  |  |
| **2** | **Description of the inputs and data captured** |  |  |  |
| **3** | **Description of the reward functions used** |  |  |  |
| **4** | **Application of the appropriate Reinforcement learning algorithms** (justification for using the algorithms. Introduction and background of the algorithms) |  |  |  |
| **5** | **Implementation** (code quality, comments and readability) |  |  |  |
| **6** | **Results** (test results) |  |  |  |
| 7 | **Critical analysis and Discussion** (Comparison of the results, Which algorithm works better and why? How can the accuracy could be improved? Possible future work) |  |  |  |