**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).

**For Supervised/Unsupervised 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) |  |  |  |
| **3** | **Data Preprocessing** (applying necessary cleansing of the data, dimensionality reduction, etc) |  |  |  |
| **4** | **Application of the appropriate learning algorithm** (justification for the algorithm. Introduction and background of the algorithm) |  |  |  |
| **5** | **Implementation** (code quality, comments and readability of the code) |  |  |  |
| **6** | **Results** (test results) |  |  |  |
| 7 | **Critical analysis and Discussion** (how the accuracy could be improved? Possible future work) |  |  |  |
| 8 | **Individual contribution** |  |  |  |
| 9 | **Viva** |  |  |  |

**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 function** |  |  |  |
| **4** | **Application of the appropriate learning algorithm** (justification for the algorithm. Introduction and background of the algorithm) |  |  |  |
| **5** | **Implementation** (code quality, comments and readability) |  |  |  |
| **6** | **Results** (test results) |  |  |  |
| 7 | **Critical analysis and Discussion** (how the accuracy could be improved? Possible future work) |  |  |  |
| 8 | **Individual contribution** |  |  |  |
| 9 | **Viva** |  |  |  |