**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 learning**

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| --- | --- | --- | --- | --- |
| **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, dimentionality 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) |  |  |  |

**For Reinforcement learning**

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| **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) |  |  |  |