**Model Development Phase Template**

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| Date | 15 July 2024 |
| Team ID | 739766 |
| Project Title | **SDSS galaxy classification using Machine Learning** |
| Maximum Marks | 4 Marks |

**Initial Model Training Code, Model Validation and Evaluation Report**

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

**Initial Model Training Code:**

Paste the screenshot of the model training code

**Model Validation and Evaluation Report:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Classification Report** | **Accuracy** | **Confusion Matrix** |
| Decision Tree |  | 0.77 |  |
| RandomForest |  | 1.00 |  |
| Logistic Regression |  | 0.77 |  |