**Model Development Phase Template**

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| Date | 8 July 2024 |
| Team ID | 740050 |
| Project Title | 3d printer material prediction using machine learning |
| Maximum Marks | 6 Marks |

**Model Selection Report**

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

**Model Selection Report:**

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| --- | --- | --- | --- |
| **Model** | **Description** | **Hyperparameters** | **Performance Metric (e.g., Accuracy, F1 Score)** |
| Decision tree | Decision tree has a hierarchical tree structure consisting of a root node, branches, internal nodes, and leaf nodes, decision trees are used for classification and regression tasks, providing easy to understand models. | - | Accuracy score=92% |