**Model Development Phase Template**

|  |  |
| --- | --- |
| Date | 15 July 2024 |
| Team ID | 739787 |
| Project Title | Genetic Classification Of An Individual By Using Machine Learning |
| Maximum Marks | 5 Marks |

**Feature Selection Report Template**

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

|  |  |  |  |
| --- | --- | --- | --- |
| **Feature** | **Description** | **Selected (Yes/No)** | **Reasoning** |
| Gene Expression Levels | Levels of gene activity in the individual's cells | Yes | High predictive value for classifying genetic traits |
| SNP Variants | Specific single nucleotide polymorphisms | Yes | Crucial for identifying genetic variations |
| Family History | Genetic history of close relatives | No | Data inconsistency and incomplete records |