**Model Development Phase Template**

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| Date | 15 July 2024 |
| Team ID | 740713 |
| 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.

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| **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 |