Model Development Phase Template

Date	15 July 2024
Team ID	740682
Project Title	Polycystic Ovary Syndrome Classification 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
Age	The age of the patient in years	Yes	Age is a significant factor in understanding the onset and progression of PCOS
BMI	Body Mass Index	Yes	BMI is crucial as it is often correlated with PCOS symptoms
Menstrual Cycle	Regularity and characteristics of the menstrual cycle	Yes	Menstrual irregularities are a primary symptom of PCOS
LH/FSH Ratio	The ratio of luteinizing hormone to follicle-	No	An important hormonal marker for diagnosing PCOS

	stimulating hormone		
Androgen Levels	Levels of male hormones in the blood	Yes	Elevated androgen levels are a key indicator of PCOS