

## Model Development Phase

Date	9 <sup>th</sup> July 2024
Team ID	SWTID1720017249
Project Title	Panic Disorder Detection
Maximum Marks	5 Marks

### Feature Selection Report

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	Age of the individual	No	Not selected; p-value not provided, implying non-significance.
Psychiatric History	History of psychiatric disorders	Yes	Selected; very low p-value (1.917349e-10), indicating high significance.
Lifestyle Factors	Lifestyle habits and factors	Yes	Selected; extremely low p-value (0.000000e+00), indicating very high significance.
Social Support	Availability and quality of social support	Yes	Selected; very low p-value (1.144308e-06), indicating high significance.
Substance Use	Usage of substances such as alcohol or drugs	Yes	Selected; very low p-value (1.294024e-06), indicating high significance.
Personal History	Personal history of the individual	Yes	Selected; extremely low p-value (2.747857e-39), indicating very high significance.
Medical History	Medical history of the individual	Yes	Selected; low p-value (3.300026e-04), indicating significance.
Severity	Severity of the condition	Yes	Selected; extremely low p-value (3.994025e-57), indicating very high significance.
Coping Mechanisms	Coping mechanisms used by the individual	Yes	Selected; low p-value (8.106781e-03), indicating significance.
Current	Current stressors affecting	Yes	Selected because of significance.

Feature	Description	Selected (Yes/No)	Reasoning
Stressors	the individual		
Demographics	Demographic information	Yes	Selected; low p-value (1.826159e-07), indicating significance.
Family History	Family history of psychiatric or medical conditions	Yes	Selected; very low p-value (1.322812e-25), indicating high significance.
Gender	Gender of the individual	Yes	Selected because of significance
Impact on Life	Impact of the condition on the individual's life	Yes	Selected because of significance
Symptoms	Symptoms experienced by the individual	Yes	Selected; very low p-value (1.475430e-27), indicating high significance.