

Model Development Phase Template

Date	06 JULY 2024
TeamID	739909
Project Name	Unlocking Silent Signals: Decoding Body Language With Mediapipe
Maximum Marks	5 Marks

Feature Selection Report Template:

Features are selected based on their potential to influence or reflect the body language classes being predicted. The selected features are expected to effectively capture and classify body language into the desired categories of happy, sad, victorious, and fight. These features have been chosen based on their relevance and ability to provide meaningful cues for the classification task using Mediapipe technology.

Feature	Description	Selected (Yes/No)	Reasoning
Facial	Landmarks	Yes	Facial landmarks provide critical cues for emotions.
Hand	Gestures	Yes	Different hand gestures can signify various emotions.
Body	Posture	Yes	Posture indicates confidence, aggression, or sadness.
Eye	Movements	Yes	Eyes reflect emotions such as joy, sadness, or focus. Hair color does not influence body language prediction.

Hair	Color	No	
Micro	expressions	Yes	Subtle facial expressions that reveal hidden emotions.
Head	Movements	Yes	Head nods or shakes can indicate agreement or disagreement.
Gesture	Speed	Yes	Speed of gestures can indicate urgency or calmness.
Overall Body	Movement	Yes	General body movements can indicate mood and energy level.
Contextual	Information	Yes	Surrounding context influences interpretation of gestures.