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| --- | --- | --- | --- |
|  | | **Model Development Phase Template** | |
|  |  | |  |
| Date |  | | 20 June 2025 |
|  |  | |  |
| Team ID |  | | SWTID1750057522 |
|  |  | |  |
| Project Title |  | | Unlocking Silent Signals: Decoding Body |
|  |  | | Language with Mediapipe |
|  |  | |  |
| 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** |  |
|  |  |  |  |  |
|  | x-coordinate of |  |  |  |
| pose\_0\_x | the 1st pose | Yes | It's key for head direction |  |
|  | landmark (nose) |  |  |  |
|  |  |  |  |  |
| pose\_0\_vis | Confidence for |  |  |  |
| the same | No | Often low visibility, noisy |  |
| ibility |  |
| landmark |  |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  | y-coordinate of a |  |  |  |
| face\_50\_y | cheekbone | Yes | Relevant to expression |  |
|  | landmark |  |  |
|  |  |  |  |
|  |  |  |  |  |
| face\_200\_z | depth of eyebrow | Yes | Useful in emotion detection |  |
| area landmark |  |
|  |  |  |
|  |  |  |  |
|  |  |  |  |  |

**current feature names (class, feature\_1 to feature\_2004)**