PROJECT DESIGN PHASE 2

Date	11 October 2022
Team ID	PNT2022TMID01168
Project Name	real-time communication system powered by ai for specially abled

Data Flow Diagram

Captured Images/Testing Data

Background subtraction → **Blob Analysis** → **Filtering/ noise reduction** → **Conversion To Grayscale**

Brightness And Contrast Adjustment → **Scaling/ Reorientation**

CLASSIFICATION STAGE

Haar Cascade Classifier

Training Sample Images

OUTPUT TEXT

Speech Synthesis

Positive Samples **Negative Samples** **Test Samples**