PROJECT DESIGN PHASE-II

FUNCTIONAL REQUIREMENT

Date	19 October 2022
Team ID	PNT2022TMID47348
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	4 marks

FUNCTIONAL REQUIREMENTS

REQUIREMENTS	FUNCTIONAL REQUIREMENTS
Objective	Most people communicate efficiently without any issues, but many cannot due to disability.
focus	The hand gesture recognition system consists of three major parts: palm detection, hand tracking, and trajectory recognition.
Documentation	In Ideation phase
End case	This aimed at evaluating and comparing the methods used in the sign recognition systems, classification methods used and identifies the most promising approach for this project.
Essentially	Web camera is essential for capturing image.
Origin type	Artificial intelligence that was being developed can identify errors on hand gesture matches and will stop as a default. It will generate corresponding gestures that allow every user to read and be able to understand what the gesture means.
Testing	Feature extraction depends on the application. On D-talk, finger status, skin color, alignments of the finger, and the palm position are taken into consideration. After features extracted, they sent to training and testing classification algorithms to reach the output.