

Project Initialization and Planning Phase

Date	15 March 2024
Team ID	739665
Project Name	Real Time Communication System Powered By AI For Specially Abled
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Problem Statement (PS)	I am (Customer)	I’m trying to	But	Because	Which makes me feel
PS-1	A person with speech or hearing impairments.	Communicate effectively in real-time.	There is no reliable, efficient tool that enables seamless communication.	It limits my ability to interact with others freely.	Frustrated and isolated.

PS-2	A caregiver or educator for speciallyabled individuals.	Facilitate smooth interaction and understanding.	Traditional methods of communication are slow and not userfriendly.	It reduces the quality of care or education I can provide.	Inefficient and unable to support their needs fully.
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Effective communication is a fundamental aspect of daily life, yet individuals with speech and hearing impairments often face significant challenges in expressing themselves or understanding others in real-time scenarios. Despite advancements in assistive technologies, there is a gap in providing seamless and efficient communication tools that cater to their specific needs. Real-time communication systems powered by AI can bridge this gap by translating sign language or other non-verbal cues into text or speech and vice versa. This tool can empower specially-abled individuals to engage in everyday activities, participate in conversations, and interact with the world more confidently and inclusively.

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