

Team Charter

Team Name	Team Leader
InnoVision Squad	Syed Muhammad Zaid
Project Name	Duration
Sign Language Detector	4 Months

Background	<p>The project aims to develop a Sign Language Detection System using Java, which can interpret sign language gestures and translate them into text or speech. Our team fits into this project by providing expertise in Java programming and machine learning. The stakeholders include individuals with hearing impairments who rely on sign language for communication, as well as organizations involved in accessibility technology and linguistic research.</p>
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Mission And Objectives	<ul style="list-style-type: none">● Developing the machine learning algorithms for gesture recognition.● Implementing the user interface and integrating the system with external devices.● Testing the system's performance and ensuring its reliability.● Overseeing the project's progress and coordinating team efforts. <p>A successful project completion entails a Sign Language Detection System capable of accurately interpreting a wide range of sign language gestures in real-time, thereby facilitating communication for individuals with hearing impairments. The primary benefit of this project is to enhance accessibility and inclusivity for the deaf and hard of hearing community.</p>
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Budget And Resources	<ul style="list-style-type: none">● The project is self-funded● Resources allocated include development hardware, software licenses, and access to datasets for training the machine learning models from kaggle.● Training for Java language for mobile app development is required.
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Roles And Responsibilities	<ul style="list-style-type: none">● Syed Muhammad Zaid: Responsible for project management and model training.● Abdullah Shah: Responsible for mobile app development.
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	<ul style="list-style-type: none"> ● Talha Mahmood Awan: Responsible for testing. ● Muhammad Tehmish: Responsible for mobile app development and model optimization.
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Performance Assessment	Progress and performance will be measured based on milestones achieved, accuracy of gesture recognition, system reliability, and user feedback. Regular team meetings will be held to review progress and address any issues that arise. The project manager will assess the team's performance and provide feedback accordingly.
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Guide To Communications	Communication methods include regular team meetings, email updates, and instant messaging for quick communication. Team meetings will be held weekly to discuss progress, address challenges, and plan next steps.
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Team's Dated Signatures

Team Member	Date
<i>Talha</i>	03/09/2024
Team Member	Date
<i>Tehmish</i>	03/09/2024
Team Member	Date
<i>Abdullah</i>	03/09/2024
Team Member	Date
<i>Jaid</i>	03/09/2024