

PROJECT CHARTER	
Project Name	VisuSpeak
Date Produced	October 18, 2023
Project Goals	<p>Our team aims to create an innovative ASL-English bidirectional translation application for our capstone project.</p> <p>This application will aim to bridge the communication gap between ASL users and English speakers by enabling seamless real-time translation between ASL and English, allowing people with special accessibility needs to communicate effectively with others and gain access to essential services and information.</p>
Project Objectives	[This section defines the specific and measurable outcomes that are required to achieve the project goals.]
Project Budget	\$500
Project Sponsor	Dr. Tim Maciag – ENSE 400/477 Capstone Facilitator Dr. Kin-Choong Yow – Mentor **Sponsor**
Additional Key Project Stakeholders	
[The names of key stakeholders that are known at this point in the project, including their job title or project role]	
<ul style="list-style-type: none"> • Archisha Bhattacharya – Full Stack Developer, Server Manager and Communications Co-Manager • Brooklyn Coulson – Front-end Developer, Documentation and GitHub Manager • Jasmeet Singh – Full Stack Developer, UI/UX Designer and Communications Co-Manager 	
Overall Project Milestones	Dates
Note: These milestone covers the first phase of the capstone project from September 2023 to December 2023 and are tentative and subject to change based on project progression and evolving needs.	
Project Planning and Initialization	October 22, 2023
Project Prototype Development	October 20, 2023
Front-end Development	October 28, 2023

AI Model Development and Testing	October 29, 2023
Deploy Front-end Code to Production Server	November 1, 2023
Initialization and Configuring Back-end	November 10, 2023
Overall Project Risks	
Time Constraints: We will be operating within a limited time frame, which may pose challenges in meeting project milestones and deadlines.	
Access to Sufficient ASL Data: Obtaining a substantial dataset for training our AI model in American Sign Language (ASL) translation may take much work. We must determine whether an adequate dataset exists or if we need to compile it ourselves.	
Access to Indigenous Languages/Knowledge: For translation purposes related to Indigenous languages, we need to ascertain whether a suitable pre-existing dataset is available or if we need to establish contact with an elder or knowledge keeper to generate the required data.	
Budgetary Constraints: As financially constrained university students, cost considerations may limit our ability to access necessary resources and technologies for the project.	
Interpreters: Engaging interpreters proficient in ASL, French, or Indigenous languages may present logistical and financial challenges.	
Translator Requirements: To ensure translation accuracy, the need for translators to cross-reference and validate our AI output introduces potential resource and coordination complexities.	
Learning Curve: Given our team's lack of expertise in ASL, French, or Indigenous languages, there will be a learning curve involved, which may require additional education and training on the team's part.	

Reviewed By	Brooklyn Coulson
Date	October 20, 2023

Comments

The objective section could include things like researching AI models and data sets, setting up the server, create the model, training the model, development of an interface the customer will use to interact with the software. I think the anonymous sponsor should be the only one in the sponsor section, Dr. Maciag and Dr. Yow should be moved to project managers.