PROJECT CHARTER

Project Name	F.L.O.A.T. (Facilitating Level Objectives Assessment Technology)
Date Produced	April 9th, 2022
Project Goals	The goal with this project is to create software systems to identify different water parameters. Hardware aspects will be explored during this project, but lightly implemented.
Project Objectives	1. Create an image recognition system to detect foreign objects. 2. Report on different water parameters 3. Deliver a user friendly client to display all information
Project Budget	TBD
Project Sponsor	Christine Chan - Mentor Tim Maciag - Co-mentor
Project Manager	Jonathan Vargas - internal project manager

Additional Key Project Stakeholders

Carter Brezinski - AI lead, Hardware Lead

Jonathan Vargas - Project Manager, Front-end lead, Back-end Lead

Ben Lichtenwald - Environmental consultant - Lab instructor, University of Regina

Mathew Palmarin - External Resource - Emissions engineer, Government of Saskatchewan

Overall Project Milestones	Dates
Structural documents completed	October 29, 2021
MVP technology stack setup	November 5, 2021
MVP 1 (Live feed) near completion	December 3, 2021
MVP 2 (Parameter Detection) near completion	March 1st, 2022
MVP 3 Project Complete	April 9th, 2022

Overall Project Risks

Working with unfamiliar technologies could hamper progress.

Unfamiliar allocation of environment variables might complicate system architecture.