

## MME 4499 – Mechanical Engineering Capstone Project Proposal Document

Name of Sponsor	PHSS Medical & Complex Care in Community
Title of Project	
Accessible Camera	
Brief Project Description	
<p>This project focuses on designing a user-friendly interface that allows individuals with disabilities and limited dexterity to easily use a digital or professional camera. The team will explore solutions that simplify camera controls, such as focus, zoom, and shutter release, making them accessible through adaptive technologies like voice commands or custom buttons. The final design will be tested to ensure it meets the needs of users, enabling them to take high-quality photos independently and fostering inclusivity in photography.</p>	
Desired Project Deliverables	
<p><b>Design Concept:</b> A set of proposed design solutions, including sketches, diagrams, or mock-ups, that outline potential adaptations for camera controls and interfaces.</p> <p><b>Prototype Development:</b> A working prototype of the adapted camera interface, incorporating chosen design features such as larger buttons, voice commands, or alternative input methods.</p> <p><b>Final Design Documentation:</b> Comprehensive details of the final design, including technical specifications, user guides, and instructions for implementation.</p> <p><b>Presentation:</b> A final presentation showcasing the project, including the research, design process, and prototype demonstration.</p>	