

SYSC 4907 – Fall 2026/Winter 2027

Supervisor	Safaa Bedawi
Co-supervisor	
Course section	SYSC 4907
Project ID	
Project title	Project 1: To design and develop an AI-powered robotic service dog that assists individuals with physical disabilities (Open).
Project description	<p>The robot will utilize machine learning and sensors to autonomously navigate environments and process user commands.</p> <p>The robot will be programmed to perform essential daily tasks, such as retrieving dropped items, fetching medication, and opening doors.</p> <p>This provides a reliable, lower maintenance alternative to living service animals, reducing the financial and physical responsibilities of animal care.</p>
Program(s)	Software, System, Electrical
Maximum number of students	4
Meeting time with supervisor (optional)	
Do you want the student to contact you before the office assign this project to them ? (Yes/No)	yes