






Team Quadradrone is composed of three members; Randeep Duggal, Gurdeep Chahal and Jon Slaco. We are a dedicated group that will provide a fully functional aerial drone AKA Quadradrone by Capstone at the end of this term.

Quadradrone is a four rotor aerial drone with multiple built in sensors. With use of its attached sensors, the drone uses a calibrated virtual proximity bubble to avoid surrounding obstacles by overriding user input. This enables the drone to be used in various fields such as indoor surveillance and search and rescue. Optional additions such as a hold and release mechanism enables the drone to hold and deploy various objects from a height. An attached first person view (FPV) camera system enables the user to have real-time video feedback for control of the drone.

	<p><u>Randeep Duggal</u></p> <p>Randeep has had experience working with Inuktun Services and Ecofit Systems, specializing in electronic control systems. After college, Randeep has plans to go to UVIC to obtain his Bachelors in Electronics Engineering.</p> <p>Responsibilities: Efficiency calculations, transmitter/receiver calculations and FPV system</p>
	<p><u>Gurdeep Chahal</u></p> <p>Gurdeep works as a High Potential Testing Operator for Schneider Electric. He plans to continue working at Schneider after he finishes the program at Camosun College.</p> <p>Responsibilities: PCB and schematic design, and website interface.</p>
	<p><u>Jon Slaco</u></p> <p>Jon has had many years of experience with electronics and mechanical design. He plans to successfully complete his diploma at Camosun College and work as a Communication Protection and Control Technologist for BC Hydro.</p> <p>Responsibilities: Sensor algorithms, hull/frame design and release claw</p>

Many Thanks to Camosun College for funding the project. We are highly motivated to have the first fully functional flying aerial drone in the college's history.

Team Quadradrone can be contacted through our email quadradrone@gmail.com.