

RE: Looking for Electrical Faculty Mentor for UAV Drone Capstone Project

Anhela Francees <anhela.francees@ucalgary.ca>

Wed 2023-09-20 10:36 AM

To: Kartikeya Murari <kmurari@ucalgary.ca>; Frank Bustamante <frank.bustamante@ucalgary.ca>
Cc: Allen Okanovic <allen.okanovic@ucalgary.ca>; Zach Uy <zachary.uy@ucalgary.ca>; Luis Sulbaran <luis.sulbaran@ucalgary.ca>; Adam Abouelhassan <adam.abouelhassan@ucalgary.ca>

1 attachments (235 KB)

Sponsor an mentor responsibilities.pdf;

Hi Dr. Murari,

Our team is glad to have you onboard as our electrical faculty mentor. Attached for your review is a document sent by our ENGG 501 instructor, outlining the roles and responsibilities of faculty mentors and project sponsors. Please let me know if you have any questions or concerns about it.

Frank and I (the electrical sub-team) are looking to schedule a meeting with you after we get some clarifications from our project sponsor about the electrical scope of the project. I will reach out to you to schedule a time (hopefully some time next week) to chat about the project and the electrical design objectives.

Thank you,

Anhela Francees
30077539

From: [Kartikeya Murari](#)

Sent: August 29, 2023 7:42 PM

To: [Frank Bustamante](#)

Cc: [Anhela Francees](#); [Allen Okanovic](#); [Zach Uy](#); [Luis Sulbaran](#); [Adam Abouelhassan](#)

Subject: Re: Looking for Electrical Faculty Mentor for UAV Drone Capstone Project

Hi Frank,

Sounds like a really interesting project and I'd be happy to advise your group.

Regards,
Kartik

On 8/29/2023 7:05 PM, Frank Bustamante wrote:

> Good afternoon Dr. Murari,

>

> My name is Frank Bustamante and I am entering my fourth year in

> Electrical Engineering at the University of Calgary.

>

> I am writing this email to request if you could be our faculty mentor

> for our group's capstone project?

>

> Our capstone project is a collaboration with Lockheed Martin based in

> Calgary, to construct a UAV drone that will be used in search and rescue

> applications. The drone will be a fixed wing aircraft utilizing vertical

> takeoff and landing (VTOL) to fly in remote areas to find stranded

> civilians and help rescue teams locate them.

>

> We read on the UofC's Aerospace Network that you have knowledge and

> experience in multi-sensing & avionics, flight diagnostics & monitoring,

> and PCB design, and we believe that your expertise would be a valuable

> asset to our project. We believe that the electrical focus for the

> project will be on PCB design, Electromagnetic Interference (EMI)

> prevention, and/or possibly using other hardware already made for the

> purpose of integration/assembly between the software/mechanical aspects

> of the drone, and we have the flexibility to change the scope as the

> project evolves during the fall semester.

>

> Our capstone project is multidisciplinary, as we have mechanical,

> electrical, and software majors on our team. Thus, we would like you to

> be the electrical faculty advisor for our team.

>

> If you have any questions about our capstone project or if you are

> interested in being our mentor, please let us know. We would be happy to

> have your expertise to help our team on this project.

>

> Best Regards,

>

> *Frank. Bustamante*

>

> UCID: 30045327

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> Department of Electrical and Software Engineering

>

> University of Calgary

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