

Engineering Undergraduate Equipment Fund Application Form FY 2024

Department	Electrical and Computer Engineering
Equipment Requested	Spare parts equipment for the Control and Robotics laboratory
Application Type	<input checked="" type="checkbox"/> Proposal <input type="checkbox"/> Forwarding Request

Contact Information of Professor(s)/Student(s) submitting the proposal

Name	Juan Baca
E-mail	juan.baca@mcgill.ca
Phone	514-398-7236
Office (include building & room number)	Trottier, room 4170

Was a departmental student representative (President, VP Academic) consulted for this proposal?

☐ Yes ☒ No

Was a departmental chair consulted for this proposal?

☐ Yes ☒ No

A list of student representatives is appended to the end of this document

Equipment Usage

Description of equipment:

Spare parts equipment for control and robotics laboratory equipment. Included here: IP02 cart, VoltPAQ-X1 amplifier, Q2-USB data acquisition device, IP02 track, IP02 encoder cables.

Where will the equipment be used and stored?

Please indicate building name and room

Trottier, room 5110

Which courses will this equipment be used in (if applicable)

ECSE 403			

How will this equipment benefit undergraduate Engineering students?

(please include if graduate students, post-grad, faculty or anyone outside of engineering undergraduates will also benefit from this equipment)

All students in electrical engineering and electrical engineering honours have to take the course ECSE 403 as part of their program (approximately 35-50 students per year).

The spare parts equipment will ensure students have a smoother lab experience by allowing them to work with newer, more reliable, and safer devices. Recent course evaluation feedback indicated that equipment failures have been on the rise in that course. The spare parts equipment constitutes a response of the Department to this feedback.

Technicians Required?

If yes, please give a brief explanation. Highlight if the technicians are already hired and outline any support they have.

☐ Yes ☒ No

Regular technical support will be sufficient.

Equipment Details

Equipment Requested	Multiple assets
Vendor	Quanser
Model	See attached "2324-2148-C_McGill_Juan Baca_IP02 Itemized" quote for models and quantities

Cost Estimate

(If more than 1 item included in the same proposal, please provide a summary of all costs)

Base Cost	\$11,455.94
Tax (GST + QST)	\$572.80
Shipping	\$400.00
Departmental Contribution*	0
Total**	\$12,028.74

* requires a signed letter from the department Chair indicating the exact amount subsidized

** If FORWARDING REQUEST, please indicate how much you would like to reserve from this year's allotment to be carried forward to next year.

Quote attached? ☒ Yes ☐ No

Delivery Estimate

Estimated Date to order	May 6, 2024
Estimated Delivery time	180 days
Estimated Date of arrival	November 7, 2024

Signatures:

(The signatures marked with an " * " are mandatory prior to submission to the EUS)

Signature of Applicant Date

Alondra Karam

27/03/2024

Signature of EUS Departmental VP Academic* Date

Signature of Departmental Chair* Date

Sehr Moosabhey

27/03/2024

Signature of EUS Departmental President* Date

Signature of EUS VP Academic Date

Proposals must be submitted electronically to your department's VP Academic.
For any inquiries, do not hesitate to contact your department's VP Academic or the EUS' VP Academic

Contact Information

Committee Chair		
EUS	Owen Quinn	president@mcgilleus.ca
Student Representatives		

Civil		ceus.vpacademic@mcgilleus.ca
ECSE		ecse.vpacademic@mcgilleus.ca
Chemical		chess.vpacademic@mcgilleus.ca
Materials		meus.vpacademic@mcgilleus.ca
Mechanical		mame.vpacademic@mcgilleus.ca
Mining		cmeus.vpacademic@mcgilleus.ca
Architecture		asa.vpacademic@mcgilleus.ca
Bioengineering		buss.vpacademic@mcgilleus.ca
EMF/FACC		president@mcgilleus.ca
Faculty Representatives		
ECSE	Nick McCormick-Gagnon	adminassistant.ece@mcgill.ca
Architecture	David Krawitz	david.krawitz@mcgill.ca
Mining and Materials	Heather Holowathy	heather.holowathy@mcgill.ca
Chemical	Kevin Mitchell	kevin.mitchell1@mcgill.ca
Mechanical	Maggie Do Couto	adminofficer.mecheng@mcgill.ca
Bioengineering	Rola Chbaklo	rola.chbaklo@mcgill.ca
Civil	Sandra Shewchuk-Boyd	sandy.shewchuk-boyd@mcgill.ca
ECSE	Carolyn Curiale	adminassistant.ece@mcgill.ca
Architecture	David Krawitz	david.krawitz@mcgill.ca