

Last Name	First Name	Course Code	Project ID	Project Title	Academic Supervisor	Industry/Co-supervisor
Bricker	Ian	ELEC4840A	AF-15	DC-DC Converters for Space Flight	Andrew Fleming	
Boutchard	Sarah	MENG4800A	AF-16	Disabled Canine Wheelchair	Andrew Fleming	
Smith	Zac	ELEC4840A	AF-21	AirJet Respirator Electronics Design	Andrew Fleming	
Carlon	Clayton	ELEC4840A	Self-Proposed	Sound-source localisation using a microphone-array for NUBots	Andrew Fleming	
Maidstone	Jayden	ELEC4840A	Self-Proposed	Controlling an arm prosthetic using eye tracking and gaze detection	Andrew Fleming	
Lord	Richard	MENG4800A	BA-01	Plasma Pens for Next Generation 3D Bioprinters	Behnam Akhavan	
Vong	Teng Fong	MENG4800A	BA-02	Hybrid materials for tissue engineering and regenerative medicine	Behnam Akhavan	
Bradley	Mitchell	MENG4800A	BA-04	Surface engineering of artificial blood vessels and synthetic nerves	Behnam Akhavan	
Tabone	Raeshel	MENG4800A	BA-05	Hybrid Bandages for Wound Healing	Behnam Akhavan	
Short	Reubben	ELEC4840A	SW-03	Science and Engineering Challenge upgrade: virtual maze generator	Behnam Akhavan	
Guo	Yuan Chang	ELEC4840A	CC-02	Beer Pong Robot	Colin Coates	
Zafarzade	Sayed	ELEC4840A	CC-03	Electronic Stethoscope	Colin Coates	
Karvelis	Angelos	ELEC4840A	CC-04	High performance control of nine-phase synchronous reluctance drive	Colin Coates	
Leck	Tiana	MENG4800A	FYP-RW01	Inverter design & control for a small scale 7-phase variable speed wind turbine	Colin Coates	ResTech
Morris	Marcus	ELEC4840A	Self-Proposed	Battery Charge Controller and Alarm System Upgrade	Colin Coates	
Spencer	Sam	Self-Proposed		Hybrid Guitar Effects Pedal	Colin Coates	
Brown	Cooper	ELEC4840A	JW-06	Robotic Air Hockey Player	Diego Yanez	
Lawson	Toby	MENG4800A	FYP-MA01	Computer Vision State Observer	Diego Yanez	ResTech
Sylow	Henry	ELEC4840A	DF-01	Automated Visual and/or Ultrasonic Defect Detection using IoT Systems and Networks	Douglas Follett/Duy Ngo	
Andrews	Zackery	ELEC4840A	DN-01	Wireless Healthcare Monitoring Systems	Duy Ngo	
Olero	Job	ELEC4840A	DN-02	Smart Home Solution	Duy Ngo	
Salem	Peter	MENG4800A	DN-02	Smart Home Solution	Duy Ngo	
Yadav	Cheena	ELEC4840A	DN-03	Machine Learning to Detect Spacecraft Anomalies	Duy Ngo	
Spencer	Max	ELEC4840A	Self-Proposed	Machine Learning for FM Audio Re-Synthesis	Duy Ngo	
Stanwell	Julia	MENG4800A	SROA-02	Assessing the nutraceutical effects on neurometabolism in people with MS using advanced MRI signal processing techniques	Duy Ngo	Saadallah Ramadan, Oun Al-Iedani
Lundy	Thomas	ELEC4840A	CC-01	Microgrid Demonstration	Galina Mirzaeva	
Du	Ye	ELEC6840A	GM-01	Advanced drive for a Synchronous Reluctance Permanent Magnet (SRPM) Motor	Galina Mirzaeva	
Johnson	Joseph	ELEC4840A	GM-02	An electric drive with acoustic shaping and acoustic camouflage	Galina Mirzaeva	
Ben	Ben	ELEC4840A	GM-03	Mitigation of voltage stresses at motor terminals due to long inverter-motor cables	Galina Mirzaeva	
Biosse	Mauro	ELEC4840A	GM-04	AC Drive based on AC/AC (Matrix) converter	Galina Mirzaeva	
Wright	Kelly	ELEC4840A	SW-01	Power system state estimation	Galina Mirzaeva	
Griffiths	Robin	ELEC4840A	Self-Proposed	Smart Battery Coordinator: Optimizing and Simplifying the Control and Monitoring of Multi-Battery Systems	Galina Mirzaeva	
Crooks	Jared	ELEC4840A	JW-02	Frequency Response Analysis of Electrical Machines	James Welsh	
Russo	Tylah	MENG4800A	JW-03	Nerve Receptor in vivo Stimuli	James Welsh	
Cooke	Lachlan	ELEC4840A	Self-Proposed	Rubik's Cube Solving Robot	James Welsh	
Batcheldor	Stephen	ELEC4840	Self-Proposed	Smart Pantry	Lawrence Ong	
Holle	Thomas	ELEC4840A	Self-Proposed	Rocketry Flight Computer	Lawrence Ong	
Moore	Dylan	ELEC4840A	Self-Proposed	Adaptive camouflage for grounded soldiers in combat environments	Lawrence Ong	
Perrin	Jesse	ELEC4840A	Self-Proposed	Portable device for sun protection validation	Lawrence Ong	
Cooke	Aaron	ELEC4840	Self-Proposed	Automated Motor Failure Detection and Reporting in Remote Installations	Lawrence Ong	
Young	Benjamin	ELEC4840A	FYP-AB01	Audio Localization of Paired Comms For Low Visibility Hazardous Environments	Lawrence Ong	ResTech
Mehra	Sakshi	ELEC4840A	MBP-03	Extending an active noise cancellation headphone system for broader use in the MRI scanner	Rick Middleton	Michael Breakspear, Bryan Paton
Parish	Loren	MENG4800A	MBP-02	Multi-channel MRI/EEG compatible olfactometer with proportional mixing	Rick Middleton	Michael Breakspear, Bryan Paton
Protyasha	Tasneem Muneera	ELEC4840A	SI-04	Resource allocation in IoT systems	Sarah Johnson	
McNamara	Thomas	ELEC4840A	SI-01	Machine learning to predict outcomes following knee surgery	Sarah Johnson	
Theacos	Kyle	MENG4800A	SI-02	Heart Rate and Respiratory Rate Monitoring Device	Sarah Johnson	
Bolton	Nicholas	ELEC4840A	SI-03	Capturing real-life symptom experiences of people living with chronic lung disease	Sarah Johnson	
Keats	Sascha	ELEC4840A	SI-05	IoT system for patient monitoring	Sarah Johnson	
Hallinan	Christopher	ELEC4840A	SW-05	FPGA-based heart rate monitor	Sarah Johnson	
Tram	Evelyn	ELEC4840A	FYP-PS01	Toolbox for Variable Speed Drive Applications	Terry Summers	ResTech
Saccaro	Isaac	ELEC4840A	Self-Proposed	Low-cost inverter for use in bi-directional charging of electric vehicles	Terry Summers	
Pike	Sam	ELEC4840A	Self-Proposed	Merriwa Microgrid Stability Study	Terry Summers	
Adams	Hugo	ELEC4840A	TS-01	Design and Simulation of a Single Phase Laboratory Power Supply	Terry Summers	
myers	thomas	ELEC4840A	TS-02	A Switch Mode DC Current Source	Terry Summers	
Kiczynski	David	ELEC4840A	Self-Proposed	Arc Flash Mitigation	Terry Summers	
Sanchez Carvajal	Carlos Andres	ELEC4840A	FYP-SF01	Grid-Connected Power Conversion Solution for Capacitive Energy Storage	Terry Summers	ResTech
Lomas	Joel	ELEC4840A	FYP-CB01	Intrinsically Safe HourmeterPrototype	Terry Summers	ResTech
McLeod	Bree	MENG4800A	YK-05	Computational fluid dynamic analysis of collateral blood flow in ischaemic stroke patients	Yuen K Yung	
Savage	Emily	MENG4800A	YK-08	Finite element analysis of porous scaffold implant designs for prosthetic	Yuen K Yung/Behnam Akhavan	
Mazumder	Samina	ELEC6840A	FYP-PS02	Common Mode Models of Electrical Systems	Zhiyong Chen	ResTech
Tong	Ziyao	ELEC4840A	ZC-01	Reinforcement learning control of a UR Robot	Zhiyong Chen	
Latif	Umer Zahid	ELEC4840A	ZC-02	Synchronisation of action potentials in neural networks	Zhiyong Chen	
Cheney	William	MENG4800A	FYP-IF01	Personal monitoring device	Zhiyong Chen	ResTech
Kosgei	Brian	ELEC4840A	GPE-01	Wearable real-time thermal stress monitor for defence, emergency services, industry	Zhiyong Chen	Emergent Group, Glenn Platt
Emerton	Jesse	ELEC4840A	GPE-03	Self-powered underwater acoustic sensor	Zhiyong Chen	Emergent Group, Glenn Platt