



## School of Energy

### 2018/19 Mechanical Engineering Capstone Projects

Students	Project	Faculty Advisor(s)	Project Manager
Russ Case Jeremiah Moreno	Remote Torque and RPM Data Logger	Adam Marciniak	Jeremiah Moreno
Jordan Donaldson Kelly James Denton Anderson	Bicycle Idler Sprocket Drivetrain Analysis	Stephen McMillan	Kelly James
Robin Chahal Brian Leung Brandon Wu	Surf Foil Design and Manufacture	Johan Fourie Greg King	
Leana Burgos Kyle Manson Stephen Yu	Conveyor Automation and Control System	Adam Marciniak	Kyle Manson
Pierre McWhannel Michael Storwick Trevor Barnes	Energy System Modelling for Emerging Economies	Taco Niet	
Brad Maljaars Michael Siklosi	Propeller Torque Limiter Design	Taco Niet	Brad Maljaars

Students	Project	Faculty Advisor(s)	Project Manager
Anthony Taylor Jackson Bryla Todd Backus	Surf Foil Design and Manufacture	Johan Fourie Greg King	Jackson Bryla
Harjit Grewal Arshdeep Saran Santanjot Dhaliwal Jaswinder Johal	Handcycle Car Rack	Jamie Borisoff Garrett Krytt	Arshdeep Saran
Eleazar Pestano Reeghan Osmond	Design and Prototyping of a Compact Foldable Drone	Cyrus Raoufi	Reeghan Osmond
David-Alexander Dabic Liam Smyth Devon Whitter	3D Printer Project	Stephen McMillan	
John Yioldassis Cole Thomson Michael Sorace Tyler Musil	Propeller Torque Limiter Design	Taco Niet	Michael Sorace
Bahador Rafie Baharloo	Process Instrumentation System Design	Vahid Askari	Bahador Rafie Baharloo
Hayden Billwiller Braedon Bainbridge	Analysis and Re-design of a Coal Pulveriser Drivetrain	Neil Munroe	Hayden Billwiller