

MECHANICAL										
Project #	10:00 AM	10:10 AM	10:20 AM	10:30 AM	10:40 AM	10:50 AM	11:00 AM	11:10 AM	11:20 AM	Project Name
1	Team 5A						Team 5H			Small Satellite Launch Vehicle Parametric Optimization and Assessment
2		Team 5A					Team 5I			Automatic Spare Tire Hoist
3	Team 5B					Team 5A				Drip Irrigation: Designing a subsurface inline emitter and Mechanical Soil moisture Sensor/Actuator
4		Team 5B			Team 5A					Conceptual design of fleet based fire fighting using large scale drone technology
5	Team 5C					Team 5B				Machine Learning Control (MLC) of the Fluid Pinball
6		Team 5C			Team 5B					Rotating Machinery Test Rig
7	Team 5D					Team 5C				Automated Ultrasonic Inspection Device
8		Team 5D			Team 5C					Dual Rotor Drone Design
9	Team 5E			Team 5D						Portable Anti-Viral Septic System
10		Team 5E			Team 5D					Optimization of a Vortex Induced Vibrations Energy Harvester
11	Team 5F			Team 5E						Control Systems of Swarm Drones
12		Team 5F			Team 5E					Converting an Existing Building to the Low Temperature Hot Water District Heating System
13	Team 5G			Team 5F						Organic Waste Management at The Landing
14		Team 5G			Team 5F					Autonomous Control Systems Vehicle
15				Team 5G				Team 5H		Wheelchair Booster Pack
16		Team 5H			Team 5G					Robotic Unicycle Design
17						Team 5H		Team 5I		Mechanical Impedance Compliance Adjuster for Humanoid Joints
18		Team 5I			Team 5H					Solar Powered Charging Station for Electric Scooters
19						Team 5I		Team 5J		Rotating solar panel design
20		Team 5J			Team 5I					Consumer Level Wind Turbine
21						Team 5J	Team 5A			Small Engine Dynamometer
22					Team 5J		Team 5A			3D Printer/CNC Mill Hybrid
23			Team 5H				Team 5B			Airflow Control of a Residential Home using Smart Vents
24	Team 5H						Team 5B			Production and Consumption of Biodiesel at the University of Calgary
25			Team 5I				Team 5C			High Speed Vehicle Automated Spoiler
26	Team 5I							Team 5C		Unmanned Aerial Vehicle (UAV) Simulation
27							Team 5D		Team 5A	Conceptual Design for a High-Speed UAV
28	Team 5J							Team 5D		Kinematic Analysis of an Assembling Robot inside of an Aircraft
29							Team 5E		Team 5B	Existing Building Deep Energy Retrofit Design at the University of Calgary
30								Team 5E	Team 5C	Cost-Effective Body-Powered Prosthetic Hand
31							Team 5F		Team 5D	Automated Hydropneumatic Suspension System
32								Team 5F	Team 5E	Minimization of Flow Induced Vibrations with Computational Fluid Dynamics & Machine Learning
33			Team 5J				Team 5G			Clean Cryogenic Cargo
34								Team 5G	Team 5F	ASHRAE Design Competition 2021