

FINAL YEAR PROJECT 2019/2020

No	Title	Synopsis	Requirement	Remarks	Research Area/lecturer
1.	Design and fabrication of magnetic torquer for a CubeSat	<p>This project is to design, fabricate, and test a magnetic Torquer for a CubeSat. The work involves :</p> <ul style="list-style-type: none"> • Sizing the magnetic Torquer coil • Fabricate and test the torquer 	Basic knowledge in electromagnetic and spacecraft design.	Student who involve of this project will be part of MYSat team.	Spacecraft System
2.	Design & Fabrication of antenna deployment System for CubeSat	<p>This project will enhance the previous design of antenna deployment system of MySat. The works involves :</p> <ul style="list-style-type: none"> • designing the mechanical part the system • design simple pcb board for electronic part of system • integration and test with the main structure 	Intermediate knowledge in CAD, and basic knowledge in embedded system	Student who involve of this project will be part of MYSat team.	Spacecraft System
3	PCB Design and test of Power System for a CubeSat	<p>This project will design a PCB for Power System of a CubeSat based on previous breadboard design. The work involves:</p> <ul style="list-style-type: none"> • PCB design • PCB testing 	Basic electronic knowledge	Willing to learn a new software for pcb ddesign	Spacecraft System

