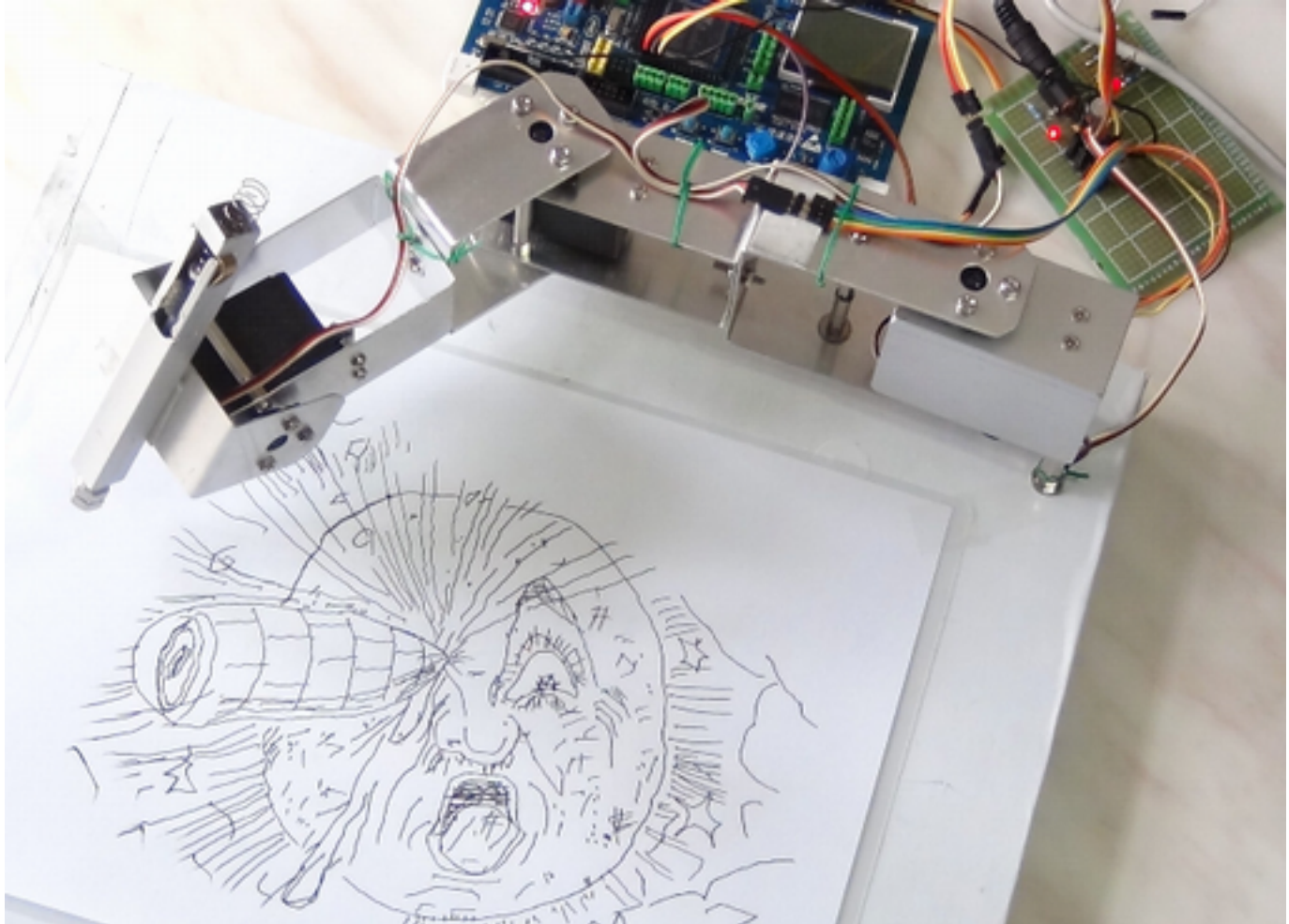


ELEC 3300 Project Summary Sheet

Group Number	38
Project Title	Robotic plotter arm
Name of Student 1	Tsang Hao Fung
Name of Student 2	Chung Ming Yan

Please attach ONE photo of your project here



Please list the functions of your project in point form

- the 2-jointed robotic arm can perform movement on a horizontal plane
- the third joint is used to lift the pen onto the paper
- features fine control of servo motors: 8000 steps in 180 degree
- sketches straight lines and degree 2 Bezier curves
- perform operation based on the following data structure:
 - {'A',9000,4500}, //turn axis1 to 90 degree, axis2 to 45 degree
 - {'M',100,200}, //move to absolute coordinate (100,200)
 - {'m',30,40}, //move relatively (30,40)
 - {'L',300,400}, //pen down, draw a line to absolute coordinate (300,400)
 - {'l',50,60}, //draw a line relatively (50,60)
 - {'B',500,600}, //specify the control point of bezier curve at (500,600)
 - {'C',300,400}, //draw a degree2 bezier curve to (300,400)
 - {'Q',0,0} //quit; indicating the last operation
- in companion with a vector graphics editor