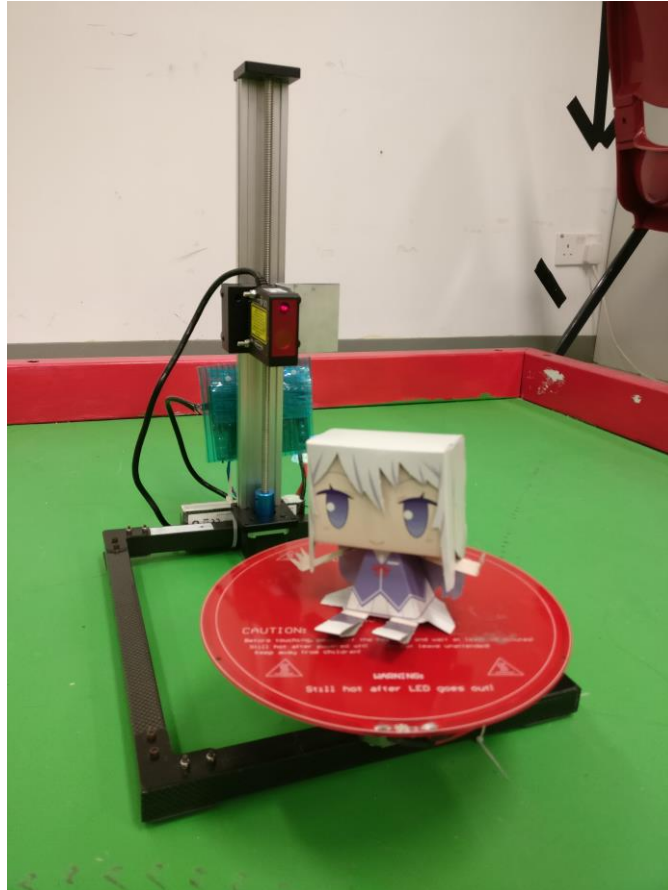


# ELEC 3300 Project Summary Sheet

This is a ONE Page Summary Sheet, Content more than 1 page will be deleted.  
All the fonts used in this Sheet should be in Times New Roman at 12 points

Group Number	24
Project Title	3D Scanner
Name of Student 1	Pang Hong Wing
Name of Student 2	Kitty Poon

Please attach ONE photo of your project here



Please list the functions of your project in point form

- Scanning an object on the moving platform.
- It uses a laser sensor (ADC) to detect the distance with the object.
- The moving platform will rotate to get all points on a cross-section.
- The laser sensor can move upwards precisely using a lead screw.
- A dedicated STM32F405 mainboard is designed for this project.
- Both above is controlled by stepper motors via motor drivers.
- The collected data will be saved into USB drive as a STL file.
- User interface on LCD screen.