

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	18
Project Title	UST Wanderer
Name of Student 1	CHENG, Yih
Name of Student 2	TSENG, Mu Ruei

Please list the functions of your project in point form

- Computer UI shows all controls of the car and live stream video.
- Xbox controller controls the movements of the car.
- The mecanum wheels allows this car to rotate in cycles, unlike most common cars.
- Camera provides live stream image updates to computer.
- Ultrasonic sensor forces the car to stop when encountering obstacles.
- PID controller uses Hall encoders to control the PWM of the car.
- Bluetooth connects the computer and the car.

Please attach your Demo Video link below

<https://drive.google.com/file/d/1eCfHdjrIJKzK1cJDoE9nkNImJCh-M6Rz/view?usp=sharing>

(in case the above doesn't work)

<https://youtu.be/Du-H7-a1xOw>

Please attach ONE photo of your project below

