

GO-KART ORIFT TRACKING SYSTEM

BACKGROUND

BLASTACARS DRIFT KARTS USED ONLY A TIMING SYSTEM, THEY NEEDED A DRIFT TRACKING SYSTEM

KARTS DRIFT ARDUND A SPECIALISED TRACK, DESIGNED FOR DRIFTING



RESEARCH

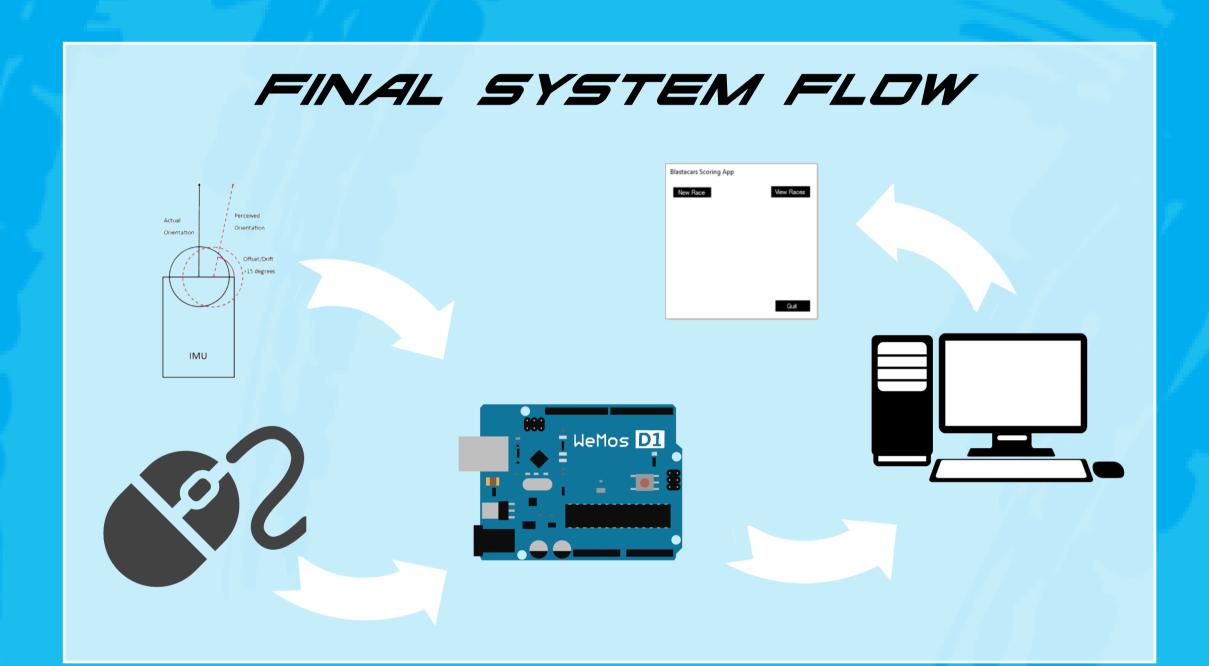
THIS PROJECT IS UNIQUE: THE FINAL COMBINATION OF HARDWARE AND SOFTWARE FOR THIS PURPOSE HAS NEVER BEEN IMPLEMENTED BEFORE.

QUADCOPTERS AND SIMILAR SYSTEM DD MAKE USE DF SIMILAR HARDWARE, BUT DUR SYSTEM HAS NEVER BEEN ATTEMPTED

DRIFTING

RACERS DRIFT BY MOVING THE BACK OF THE KART FUR-THER THAN THE FRONT

SIDESLIP ANGLE INCREASES AS THE DRIFT BEGINS, AND DECREASES AS IT ENDS



DRIFTING DEMONSTRATION NOLLHARMIC NOLLHA

HARDWARE

MPU9250 IMU

WEMDS DIRZ WITH ESP8266

10,000 MAH EXTERNAL BATTERY
MICROSOFT INTELLIMOUSE SENSOR/BOARD

TRACK SERVER COMPUTER

MI-FI ROUTER

SOFTWARE

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1 LINE OF VISUAL BASIC

ARDUIND IDE

PROCESSING IDE

VISUAL STUDIO

NOTEPAD+

FUTURE WORK

FACEBOOK/SOCIAL MEDIA INTEGRATION

MECHANICAL IMPROVEMENTS