

Entry Details

FIRST NAME	Eric
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STUDENT NUMBER	20094078
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REQUEST A SUPERVISOR	Brendan Jackman
PROGRAMME	BSc (Hons) in Applied Computing
APPLIED COMPUTING STREAMS	Automotive and Automation
PROPOSED PROJECT TITLE	ADAS System Mapping (Direction Assist)
PROJECT OVERVIEW	<p>Goal to produce an ADAS system for a car that will use GPS to map out a road (either it be junction or roundabout) and if the car turns onto the road correctly, it will signal the car the error and possibly automously correct the issue either by itself or with help from the driver. The map may also have a GUI to show the direction of the map. Right now looking at using the Here developer technology in order to develop the mapping but more discussion as well as experimentation will need to be done over the next few days.</p> <p>Also had thoughts about uploading data to this website also which may track car speed, type or location</p> <p>Demo may be done with tools used in the college suggested by Brendan as well although if deemed unsafe I have thought about to demo it by possibly programming an Arduino to an RC car to cater for saftey. This will be dicussed more in</p>

detail once I understand the API and get a template

WHICH SUBJECT AREAS ARE RELATED TO THIS PROJECT IDEA? YOU MAY CHOOSE MORE THAN ONE.

Database & Analytics
Computer Networks
Automotive and Automation
Internet of Things
Software Development: Core

WHAT HARDWARE AND SOFTWARE TECHNOLOGIES DO YOU PLAN TO USE?

VSCode, Arduino, Here mapping developer, JavaScript, Vector Software

PERMISSION FOR SUBMISSION TO BE REFERENCED AS A SAMPLE STUDENT SUBMISSION.

Yes