

# Smart Kart (Project Initiation Document)

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## 0.1 Abstract

Average speed check zones (In the UK, typically enforced using SPECS (Jenoptik Traffic Solutions UK, n.d.)) are being increasingly deployed in throughout the UK, doubling between 2013 and 2016 (BBC News, 2016). While useful for enforcing speed limits, and increasing safety (Owen et al., 2016), they can lead to distracted driving, as the driver has to monitor their speed, which means looking away from the road to their speedometer for brief periods of time.

This project seeks to create a software application for a smartphone, that detects when a vehicle the phone is in enters an "Average Speed Check zone", starts tracking the vehicle's speed, and gives the driver an audible alert if their average speed is at risk of breaking the speed limit, so as to reduce the

## Chapter 1

# Introduction

# Bibliography

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