Analysis and Design of a Smart Automotive Dash Instrument as a way to help reduce Distracted Driving

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Abstract – Despite of all technological advances incorporated in vehicles to reduce car accidents; automobile accidents continue in ascent. To diminish them, several technological solutions have been developed, however additional research in this area is required. This research has a purpose to present a proposal to reduce distracted driving caused by visual, auditory, physical, and cognitive distractors, through a smart automotive dash instrument. A systematic literature review and a survey were considered to justify this proposal. This paper presents the early software life cycle development phases tackled.

Keywords

Automotive dash instrument, distracted driving, software life cycle development