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GraceWarn mobile application

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We propose a mobile App called GraceWarn, designed in the Canadian University Dubai, which provides useful road services helpful in different traffic situations to both road users and police officers. The services provided by the App were designed using new technologies of positioning and Identification (GPS, RFID). Mobile App features: The GraceWarn App helps to transform any paper work made by police officers to electronic system based transactions. In case of emergency, the user can easily send all the necessary information from the accident site to the nearest ambulance or hospital by scanning the RFID tags' label, employed by SALIK (An RFID based Toll-road System, all vehicles in Dubai should have SALIK tags). It allows the user to communicate with any car owner by SMS through the RFID tag to warn him/her if there is any problem in the car. The user can make a report of violating vehicles and send it to the concerned authorities accompanied by all the required information by scanning the RFID tag. The user can communicate with the car owner or the police station for any situation without knowing the information of the car owner (name, phone number, etc.). The police officer can give a fine or make a report for an accident, by scanning the RFID tag of both caused affected vehicles, and then add some simple information as the type of the accident. Then the report will be sent to both parties and also saved in the authority servers.

Biography

Amro Mosaadis in the final year of his Bachelor's Degree in Telecommunication Engineering at the University of Wollongong. His professional memberships include the following but not limited to; Institute of Electrical and Electronics Engineers (IEEE), and Engineers Australia.

Notes:

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