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Oral Presentation

Using Simulator to Measure the Skills of Taxi Drivers and Increasing the Safety of School Services Vehicles

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Abstract

In our country, Student transportations' security and driving accidents statistics for students is one of the major concerns for relevant organizations such as educational organization. In current year, a system, was named Sepand, was formed in city taxi driver union by educational organization, NAJA traffic and city taxi driver union. In this systems' plan, basis on information technology (IT) and intelligent transport system (ITS), applicants' registration process for activity in students' vehicle service background was predicted according to professional driving principle. Sepand plan has several characters such as selecting the best driver for students' vehicle service with simulator device, mobilizing some vehicle with location finder intelligent systems, fingerprint system, surveillance camera system and voice recording inside the cars. In this plan, we can refer to participate of women specially in girls' schools, priority to experienced taxi drivers in students' vehicle service, observing students' vehicle service from beginning to destination in the moment and sending messages of events in way intelligently, drug abuse test according to behavior in stimulator, replacement of current fleet with intelligent fleet with appropriate standards for school vehicle service.

Keywords: Simulator Device, Fingerprint, Surveillance, Fleet.

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