Integrating Smart Transportation System for a Proposed Smart City: A Mapping Study

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Abstract

Smart transportation is playing a vital role as an important building block in smart city, providing solutions to many issues that relate to traffic on the road. This influences safety and quality of living (QoL) the main goals of smart city development. In such case, investigation of different aspects like different functionalities of smart transportation, purposes, research methods and technologies are obligatory. This study presents a literature review on existing researches on smart transportation in smart city to identify the area as well as the future research needs and gaps to be fulfilled. Here it summarizes different perspectives of smart city and smart transportation considered in studies, types of the researches performed, reported problems which are addressed in studies, purposes of deploying smart transportation, reported benefits and problems and technologies which are compatible in this research area.

Keywords: Smart transportation, Smart city, mapping study