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Smart Traffic System for Emergence Vehicles

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Abstract - *A smart city is one among that uses a Keen system characterized by the activity between behaviors, capital, cultures and infrastructure, achieved through their integration. The smart city Mission is objective to line examples which will be replicated each inside and out of doors the smart city rushing up the creation of comparable smart city in numerous regions and elements of the country. within the survey of the smart city construct by rendering recent IEEE papers during this domain, we tend to found heterogeneous construct of the good city; some papers mentioned it as a generic case study, whereas others deals with specific elements. This paper may be a survey of variety of articles, that is bifurcate into 2 subsection:1-General case study, that covers the subject of smart city in an exceedingly general framework, and 2-Specific case study, that covers the subject of the smart city from a selected elaborated application, like Traffic Management System, Smart street-Light Technology.*

1. INTRODUCTION

Metropolitan Area plays a big role within the positive growth for the economy of each nation, Asian country is not any exemption. on the brink of thirty first of India's current population lives in urban areas and contributes sixty three of India's gross domestic product (Census 2011). The Metropolitan population of Asian country has seen an increase from seventeen.1 per cent to twenty nine. Percent between 1950 and 2015. With increasing urbanization, four hundredth of India's population set to accommodate in Metropolitan areas and thereby contribute seventy fifth of India's gross domestic product by 2030 [1]. This results in a challenge of comprehensive development of physical, institutional, social and economic infrastructure. Since of these are vital in up the standard of lifetime of the voters living within the cities. a sensible town could be a self-contained city in terms of evolution data of data of knowledge} and communication infrastructure technology. A contemporary town offers intelligent solutions and helps organize everyday life because of sensors that receive information, information, references, and analysis so re transmits them. creating cities smarter is typically achieved through the employment of ICT-intensive solutions .Thus good Cities Mission focuses on development of smart cities pan-India to alter economic process and up the standard of lifetime of folks by sanctioning native development and exploitation smart technologies to form its voters life higher. a sensible town will create our lives energy economical. Wireless innovations will support public health, giving doctors access to medical records simply and at lowest price

2. Existing Work

Every natives of "Smart City" should not be digitally blind but should be acquainted with online culture and concluded that before implementing creation of "Smart Cities" the Central and State authority quivers off narrow bureaucratic games should take sincere initiative to examine the rich resources and to take attempt meticulous to throw light of literacy to the citizens of "Smart Cities". ICT can be used in the houses, offices, and in public amenity. Smart Cities are the integration of information technology, telecommunications, metropolitan planning, smart infrastructure and operations in an environment geared to maximize the quality of life for a city's population. Smart Cities in Developing Economies: A Literature Review and Policy Insights", explained that for getting escalate benefits of "Smart Cities" where application of ICT is a must, the beneficiaries must be digitally literate.. Smart city requires some essential peripheral such as smart phones, Interconnected network, internet and, sensor to inter Connect the people with mobile etc.

2.1 Smart Traffic system for Emergency Vehicles

In existing System, radio frequency identification RFID, as this technology uses only radio waves for its operation of identification of different objects Whereas In another existing System ultrasonic sensor HC-SR04 is used to calculate the distance for Smart Traffic system. Both existing System is not able to distinguish between Private and Emergency vehicles. And hence this s the limitation founded in survey (https://unctad.org/meetings/en/SessionalDocuments/CSTD_2015_Issuespaper_Theme1_SmartCitiesandInfra_en.pdf). This problem should be overcome, emergency vehicles such as ambulance fire brigade vehicles can struck in traffic.

Figure 1: Emergency vehicles struck in traffic

2.2 Smart Street Light with fewer sensors:

According to paper published in IOSR Journal (http://www.iosrjournals.org/iosr-jmca/papers/Vol3-issue2/G03023944.pdf) .the HID lamps are not cost effective and not reliable, smart street light system has overcome by replacing the HID lamps with LED. Due to automation, power consumption and cost effectiveness in the present field of electronics and electrical related technologies, industry of street lighting systems are growing rapidly and going to complex with rapid growth of industry and cities. To control and maintain complex street lighting system more economically, various street light control systems are developed. These systems are developed to control and reduce energy consumption of a town's public lighting system using different technologies which uses IR motion sensors to detect the vehicle movement after which the street light begins to glow. As the vehicle moves, the street light that was glowing switches off and the following lights begins to glow. In Research and reading lots of published paper got conclusion that existing is not fully able to make street light smart, because the hardware which has been used for this is quite expensive and required high maintains, due to this thus things is not applied in real life scenario.

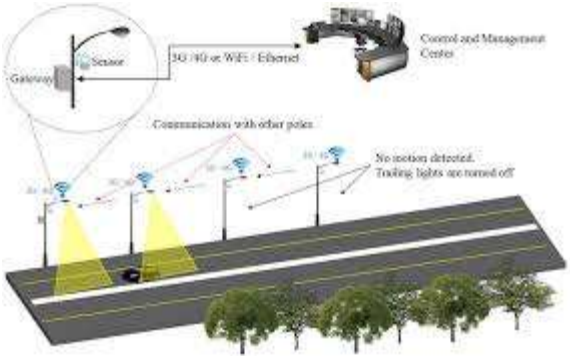

Figure 2: Smart Street Light

3. CONCLUSIONS

In above paper we took an insight into India's Smart Cities his research started with some fundamental inquiries about Smart Cities like what they really stand for, or the challenges and possibilities .The existing System are not efficient in terms of budget as well as thus not cover all the necessary Features. The System need to target the basis problem and make them cheaper so they can implement easily in real world scenario. The research reveals that, in Spite of having no internationally accepted Technology has made many fantasies about the lifestyle of the future a reality. The smart city is just one of the technical applications that have done this. The idea of smart cities is applied to multiple images in many parts of the world such as the United States, Brazil, Denmark, South Korea, Malta, and Song do, China, Taiwan and others. These cities will make a qualitative leap in the quality of life. Song do, China, Taiwan and others. These cities will make a qualitative leap in the quality of life.

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