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## POPTANK

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### ABSTRACT

Today's world need digital techniques for measurement of any quantity conventional fuel meter are analog so that we trying to make it digitized to show the fuel value digitally. In our project we show the amount of fuel present in fuel tank digitally i.e. 1lits, 1.5lits, 2lits etc. Also fuel theft is measure problem in all over world. In our project if fuel gets theft then text message will send to owner of vehicle, also buzzer makes noise so that owner of bike get aware. In the vehicle system such kind of system is implemented likedisplay fuel availability digitally & fuel theft of vehiclecan be avoided

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### I INTRODUCTION

All internal combustion engines running on liquid fuel have to be very fuel efficient from economic point of view. All these engines are equipped with most advanced automated fuel indication devices. These are system built devices. There should be some provision at the user level to know the quantity of fuel at all times. The safety and security of fuel is of utmost importance. In the recent years, escalating oil demands and costs of fuel are increasing. This indirectly increases the overheads of many businesses and those with large vehiclefleets.

Global oil supply and demand forecasts for 2015 have changed significantly recently, but these changes have largely cancelled each other out: the outlook is still one of a market roughly in balance. However, it is at times of rapid market change that forecasting becomes most difficult. In July of 2014, before crude prices collapsed, forecasts from the International Energy Agency, US Energy Information Administration and OPEC suggested that world oil demand would rise by about 1.35 million b/d in 2015 and that the global supply/demand balance would be very slightly positive. To cater the needs of fuel savings due to a one of the few above mentioned problems, the SIM 900 GSM module is used over a Global System for MobileCommunications(GSM) network to provide a practical and cost-effective remote fuel level monitoring system. A study conducted by Reza etal.

Motorcycles are one of the most affordable forms of motorized transport in many parts of the world and, for most of the world's population; they are also the most common type of motor vehicle. There are around 200 million motorcycles (including mopeds, motor scooters and other powered two and three-wheelers) in use worldwide, or about 33 motorcycles per 1000 people. This compares to around 590 million cars, or about 91 per 1000 people. Most of the motorcycles, 58%, are in the developing countries of Asia Southern and Eastern Asia, and the Asia Pacific countries, excluding Japan while 33% of the cars (195 million) are concentrated in the United States and Japan. As of 2002, India with an estimated 37 million motorcycles/mopeds was home to the largest number of motorized two wheelers in the world. China came a close second with 34 millionmotorcycles/mopeds.

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### II. LITERATURE SURVEY

Today's world need digital techniques for measurement of any quantity conventional fuel meter are analog so that we trying to make it digitized to show the fuel value digitally. In our project we show the amount of fuel present in fuel tank digitally i.e. 1lits, 1.5lits, 2lits etc. Also fuel theft is measure problem in all over world. In our project if fuel gets theft then text message will send to owner of bike also buzzer makes noise so that owner of bike get aware. In traditional vehicle system such kind of system not implemented like display fuel availability digitally & fuel theft of bike can beavoided.

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### III. CONCLUSION

Digital Fuel Meter used for prevention from fuel theft & also it display the available fuel in tank in digitally. This meter is more advantages over analog meter by Arduino microcontroller and owner of vehicle is aware from fuel thefting using buzzer to the owner of vehicle. We increase the standard of measurement system using Digital Fuel Meter because of Digital Fuel Meter cheating with customer by fuel filling station can be avoided and performance of system also improved with the help of Digital Fuel Meter.

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