

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum-560014, Karnataka



PROJECT REPORT ON

“MICROCONTROLLER BASED DIGITAL FUEL QUANTITY AND MILEAGE MEASUREMENT AND INDICATOR”

SUBMITTED BY

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Submitted in partial fulfilment for the requirement for

the award of the degree of

**Bachelor of Engineering
in
Instrumentation Technology Engineering**

Under the Guidance of

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ABSTRACT

In the recent times we are constantly hearing about petrol bunk frauds. Most of the petrol bunks today have manipulated the pumps such that it displays the amount as entered but the quantity of fuel filled in the customers tank is much lesser than the displayed value i.e., the pumps are tampered for the benefit of the petrol bunks owner. This results in huge profits for the petrol bunks but at the same time the customers are cheated.

All the vehicles in India are equipped with analog meters hence it is not possible to precisely know the amount of fuel currently in the vehicle and also it is not possible to cross check the quantity of fuel filled manually by the vehicle owner.

This project focuses on creating a digital display which exhibits the exact amount of fuel contained in the vehicles tank and also helps in cross checking the quantity of fuel filled at the petrol bunk. It also focuses on displaying the mileage digitally and also on the economic usage of fuel by sending the vehicle engine into sleep mode at the traffic signal.