FUEL TANK AUTOMATION

A PROJECT REPORT

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STATEMENT OF SUBMISSON

A report submitted to the

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DEDICATION

We devote our exposition work to ourparents,siblings and teachers especially **Sir Fahad Usman Khan** and **Sir Salman Khalid**. An extraordinary sentiment appreciation to our adoring folks, whose inspirational statements and push for persistence ring in our ears. We would like to dedicate this project to all instructors, companions and experts who gave us constant backing and direction with a specific end goal to bring this dynamite assistance to fruition.

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ABSTRACT:

The fuel is the basic need of industry as well as automobiles. The monitoring of fuel level is really important task while dealing with the fuel. Different methods have been adopted in the past to measure the fuel level. In the past, mechanical gauges have been used. After that electronics sensors are introduced in the market. These sensors are resistive in nature and works when the resistance changes according to the level of fuel. But these sensors are not that efficient. The fuel level monitoring is important because we can avoid fuel theft from tanks and air lock in dynamos etc.

As a remedy of these issues, we worked on capacitive fuel sensor which is efficient then resistive fuel level sensor and mechanical gauges. By using this sensor we did monitoring of fuel level on PC and sending text messages on mobile phone whenever the fuel level change by 1 liter.

We also introduced anti-air lock system. Whenever the fuel level drop down to a specific limit, the engine is switched off. Due to this system, the dynamo or engines will never become air locked.

The fire is also a hazard while working with the fuel. For this sake we also introduces fire safety system. Whenever the flame sensor detect flame, buzzer began to beep, water began to sprinkle and engine become switched off. So this is the main idea of the project.