Web Based Information System for Petroleum Filling Stations

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In this fast moving world, people are traveling with tight schedules of estimated time. Fuel is a decisive factor in traveling. Vehicles need to reach a filling station for re-fuelling. When a vehicle reaches to a filling station, the filling station may have very long queues or the available fuel amount to fulfill the customer's needs may not be sufficient. At present the filling stations display information on the next filling station and distance to it.

This project provides the facility to interconnect all petroleum filling stations all over the country through internet to exchange their information. In one petroleum filling station, the system can display information of all filling stations that are located along a user's route. So customers can choose the best petroleum filling stations that fulfill their needs.

The fuel level reading unit reads the available fuel level and sends it to the information server through a connected computer. The web based system displays available fuel types, amounts, distance from current filling station and other details. The electronic device — "fuel level reading unit" has been built using ultra sonic sensors and web interface built using PHP scripting technology and MYSQL. To ensure maximum availability of the system MYSQL clustering was used for databases.

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