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(57) Abstract :

WIFI GPS vehicle temperature monitoring and control system design and development. The only thing a vehicle's temperature is its engine's temperature. Increased engine temperature impacts a vehicle's longevity, dependability, and mileage. There is occasionally a risk of an engine failure due to excessive temperatures. Here, we suggest a system similar to the GPS-enabled WIFI vehicle temperature monitoring and control. The WiFi (Sim800C) module used in this project is connected to Arduino via UART. GPS module and Arduino are linked via a UART interface.Arduino analog pin is connected to a DHT11 temperature sensor. Arduino digital pin interfaced with a buzzer. Relay connected to an Arduino digital pin controls a DC motor. The engine temperature is read by this temperature sensor (LM35). Assume the vehicle's engine is a DC motor. The DC motor (car engine) will turn off if the engine temperature rises over 130 degrees (the maximum temperature for both gasoline and diesel engines is 130 degrees). Engine condition and temperature are shown on the LCD. An SMS with a GPS location will be sent to the registered cellphone number whenever the temperature rises above 130 degrees.

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