

Smart Traffic Light System

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Abstract: Crisis reaction vehicles, for example, ambulances and fire engines, can't stand to sit around while looking out for traffic signals. These vehicles need a framework that would permit them to securely cross the traffic signals immediately. We propose a brilliant traffic signals framework (STLS) that utilizes an Android application, Google maps, miniature controlled traffic signals and the Internet for interfacing them together. The Android application permits a client to choose the objective, Google maps locate the briefest way to the objective and position of all traffic lights on the way, the portable application sends the appearance time for each traffic light regulators. In the long run, when the vehicle will show up at the traffic signals, it will discover them opened with no contention with different signs.

A research facility model is made utilizing an Arduino microcontroller to control the traffic signals spoke to by LEDs on a breadboard, while a completely useful model with genuine traffic. This paper focuses on emergency vehicle leeway.