Ingenious Traffic Control System with Green Signal Timings Using ...: Ingenta Connect

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In metropolis, traffic congestion affects the daily routine of passengers and in the long run there will be a declination in productivity if such situation is left unaddressed. If an Ambulance, unfortunately, stuck in the References

middle of congested road, any delay can endanger the life of the patient and, such cases require intelligent.

visualized in the Graphical User Interface (GUI) Tool and the green light timings for the consecutive turns can be Keywords: ATmega2560; EDGE DETECTION (IMAGE PROCESSING); GUI (GRAPHICAL USER INTERFACE); INFRA-RED while others, being remained at red. Using Image Processing analysis, the exact count of vehicles can be

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Ingenious Traffic Control System with Green Signal Timings Using Image Processing

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emergency siren and thus temporarily allow passage by turning the signal green for the corresponding lane.

accordingly. During each transition phase, the Voice Recognition (VR) modules installed on lanes sense the powerful and reliable traffic control system. In this paper, the Infra-Red (IR) Sensors keep track of vehicle

density across the lane. The micro-controller in turn, generates the control signals to after the traffic

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