Public Road Transport Guiding System using Arduino Microcontroller

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Abstract

Majority of the public transport supportive system is not user friendly. An ambiguity on the available state of the transport bus may lead to poor performance of the supportive mechanism. The advancement of technology enabled, to meet the requirements of the supportive mechanism. The bus is entering into the bus stand premises, the bus is located at the stop point, the bus is leaving out gate, next bus in a queue, such information will be displaced at the appropriate display point and an automatic announcement is added to the proposed work. ‘ARDUINO’ Micro controller is adopted to regulate the process. Three IR Sensors are inputted to Arduino controller. An RFID reader at the entrance gate of the bus stand will detect the entry level of the bus, and the gate controlling mechanism will verify the authorization of the bus to enter into the bus stand premises.

References

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ARDUINO Micro controller, RFID Reader