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

1. Mrs. Swati Chandurkar, Sneha Mugade, Sanjana Sinha, Megharani Misal, Pooja Borekar,


10. AUTHOR’S BIOGRAPHY

11. K. Vidyasagar: Received B. Tech degree in Instrument Technology from Andhra University College of Engineering Visakhapatnam, M.E from P.S.G.Tech Coimbator. He is now a research scholar under the guidance of Dr. A. Bhujangarao, Andhra University. His current research interests include image processing in biomedical instrumentation and related embedded systems.

12. Abdul Farooq basha received B. Tech in Electronics and Communication Engineering from JNTU Hyderabad and M.Tech in VLSI&SD from JNTU Kakinada. His research interest is in Micro controllers and embedded system applications.

13. K. Suresh received B. Tech degree in Electronics and Communication Engineering from JNTU Hyderabad and M.Tech in Electronics and Communication Engineering from JNTU Hyderabad. His research interest is in Micro controllers and embedded system applications.

Index Terms

Computer Science

Circuits and Systems
Keywords

ARDUINO Micro controller, RFID Reader