"AUTOMATED BUS CROWD MANAGEMENT SYSTEM"

Abstract

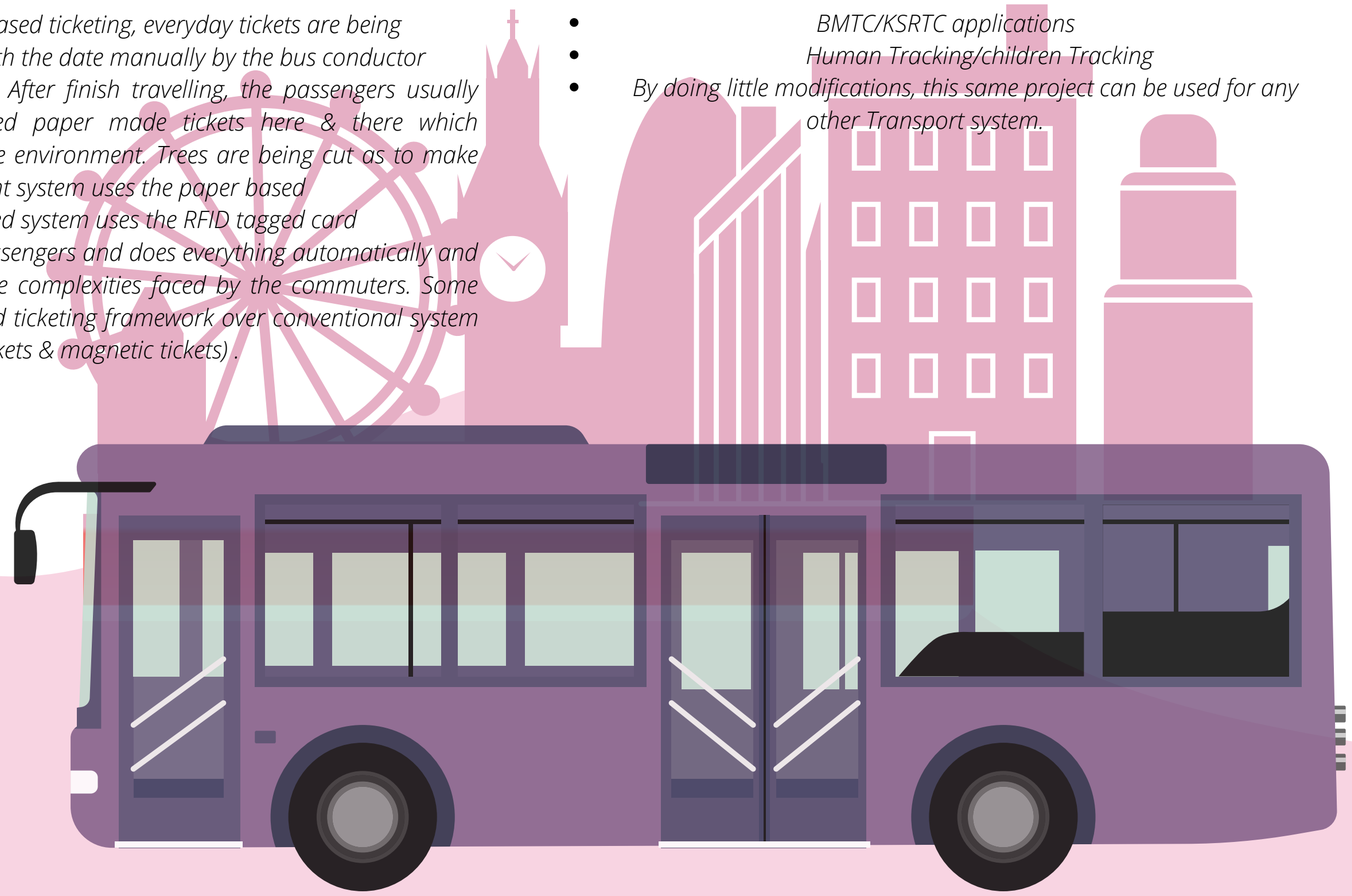
The Embedded Technology is now in its prime and the wealth of Knowledge available is mind- blowing. Embedded technology plays major role in integrating the various functions associated with it. This needs to tie up the various sources of the Department in a closed loop system. This proposal greatly reduces the manpower, saves time and operates efficiently without human interference. This project puts forth the first step in achieving the desired target. With the advent in technology, the existing systems are developed to have in built intelligence. Now a days we come across theft, terrorist attacks on public transportation systems. Many a time it becomes difficult for investigating agencies to track the cases. We are proposing a Centralized bus control system where a passenger needs to fill up the details by submitting required ID & address proof as per Know your Passenger policy and purchase a unique ID Bus pass card having unique number (RFID Tag)

Problem Statement

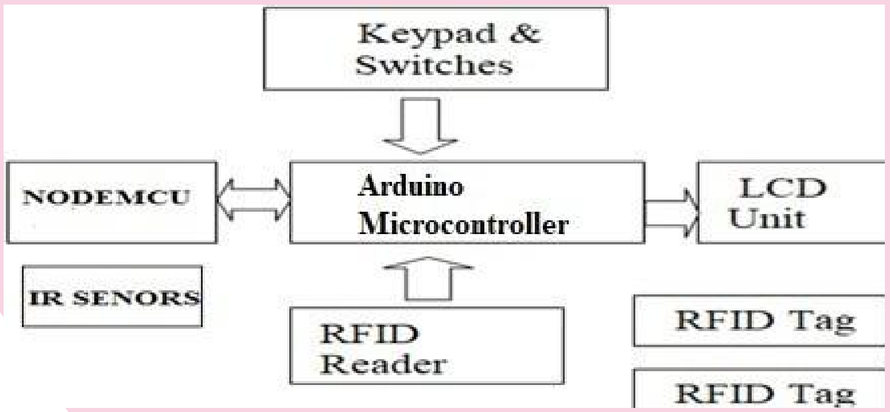
In traditional paper based ticketing, everyday tickets are being printed and sealed with the date manually by the bus conductor travelling in the bus. After finish travelling, the passengers usually throw away the used paper made tickets here & there which ultimately pollutes the environment. Trees are being cut as to make papers and the current system uses the paper based ticketing. Our proposed system uses the RFID tagged card carried out by the passengers and does everything automatically and eventually reduces the complexities faced by the commuters. Some benefits of RFID based ticketing framework over conventional system (both paper based tickets & magnetic tickets) .

Applications

- *BMTC/KSRTC applications*
- *Human Tracking/children Tracking*
- *By doing little modifications, this same project can be used for any other Transport system.*



System Architecture



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