**Voice Based Automated Transport Enquiry System**

**Abstract**

We have experienced in waiting to a transport terminals for transport controllers to get the information about the transport facility. We encounter so many times there will be no person for providing these information which significantly wastes the time just to know whether there is any facility or not. Here is one solution for such a problem which lessens the human intervention in providing such information in the transport terminals.

Voice Based Automated Transport Enquiry System is the enquiry system which operates based on the voice input given by the user. There is no communication which is understood more appropriately than voice. This system too uses the voice commands and gives the required information in the form of voice. This system is can be installed in any transport terminal like Bus stands, Railway terminals or airports.

Voice Based Automated Transport Enquiry System is developed for providing the information for the enquiry in transport terminals. This project is developed as an android application. This uses server for storing the information to be provided to the user. This user Microsoft Speech recognition to detect the voice from the user and uses the speech control to deliver the voice output. This also displays the results on the screen for further verification.

This System is developed for providing the information for the enquiry in transport terminals using PHP technology . This uses sql server for storing the information to be provided to the user. using Microsoft Speech recognition to detect the voice from the user and uses the speech control to deliver the voice output. This also displays the results on the screen for further verification.

Modules

User

User can search the details about transportations like when the bus come,which bus is available at a particular time, when it reaches the destination etc.They can search the details through voice or text by using particular commands.

Admin

Through this component the maintenance personnel can update the information and also the commands to the system.Admin will update the system when changes arrived like arrival time,unavailability of bus etc.They receive the input from user and convert text to voice and voice to text and then give corresponding details to the user.admin can view all users and all reports.

Privacy may be a natural concern at an equivalent time that trust is a crucial think about surroundings.Admin can login in to a system by using user name and password. Cryptography algorithm is used for authorizing the Admin into the system. It generates key for Admin when they are entering their information in the registration page. This system only allow authorized person to enter into the system to access the services. This system is secured using Eliptic Curve cryptographic algorithm.

Accountant

Accountant can manage the place including name of the place,picture of place etc.They can mange bus types,total no of buses available,platform and timing of the buses.They can login in to a system by using username and password.