Voice Based Transport Enquiry System

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ABSTRACT

Voice Based Transport Enquiry System is a website in which user provide the detail needed by them through the voice and the system provide the information through text. Every time a user speaks a word it sounds different. Users do not produce exactly the same sound but this application can understand the word provided by the user with different voice. The system shall provide option to add new information like route information and the timings at which the transport facility is available. User shall be allowed to browse through the retrieved result. It shall allow the user to move to previous and next result through the voice commands. The relevant information also shall be displayed in the screen. This application works in more interactive way in the form of speech.

Keywords- Courses, Tests

I. INTRODUCTION

Voice Based Transport Enquiry System is a website in which user provide the detail needed by them through the voice and the system provide the information through text. The system shall provide option to add new information like route information and the timings at which the transport facility is available. User shall be allowed to browse through the retrieved result.

II. RELATED WORK

Technologies are developed and there is a very high rise in use of smart devices. There is a need of information inflow in the same speed. 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. 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.

III. PROPOSED SYSTEM

A Voice Based Transport Enquiry System works in more interactive way in the form of speech. It needs less human intervention. It needs very less maintenance. User can use voice enquiry the information webpage

MySQL: is an open source relational database management system.

NetBeans: NetBeans is an integrated software development environment for Java. NetBeans allows applications to be developed from a set of modular software components called modules.

JS: program the behavior of web pages. JavaScript enables interactive web pages and is an essential part of web applications. This project is developed using .Net technology using c# Programming language. This uses sql server for storing the information to be provided to the user. This user Microsoft Speech recognition to detect the voice from the user. This also displays the results on the screen for further verification.

Fig 1: Architecture of the proposed system.

IV. IMPLEMENTATION

The proposed system is implemented using netbeans front end is developed using html, css, js and backend using java, sql databases are used. Text-to-speech engines use a variety of techniques to disambiguate the pronunciations. The most robust is to try to figure out what the text is talking about and decide which meaning is most appropriate given the context. Admin module: admin is authenticated, admin can edit database and can create new timing and upload routes all these actions are stored in the databases. Voice recognition
is one of the major components of the current system which recognizes the commands given by the user.

Fig 1: The Home page.

<table>
<thead>
<tr>
<th>Id</th>
<th>Name</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Normal</td>
<td>![Blue hills.jpg](AppImages\BusType\Blue hills.jpg)</td>
</tr>
<tr>
<td>2</td>
<td>Delux</td>
<td>![Water lilies.jpg](AppImages\BusType\Water lilies.jpg)</td>
</tr>
</tbody>
</table>

Fig 2: Type of bus

<table>
<thead>
<tr>
<th>Id</th>
<th>Place</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hubli</td>
<td>![Water lilies.jpg](AppImages\Places\Water lilies.jpg)</td>
</tr>
<tr>
<td>2</td>
<td>Gadag</td>
<td><img src="AppImages%5CPlaces%5CWinter.jpg" alt="Winter.jpg" /></td>
</tr>
</tbody>
</table>

Fig 3: Places.

<table>
<thead>
<tr>
<th>Id</th>
<th>FromPlace</th>
<th>ToPlace</th>
<th>Time</th>
<th>Day</th>
<th>Build</th>
<th>Platform</th>
<th>V_km</th>
<th>RoofMap</th>
</tr>
</thead>
<tbody>
<tr>
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<td>11</td>
<td>10</td>
<td>11</td>
<td>5</td>
<td>10</td>
<td>13</td>
<td>56</td>
<td>AppImage\BusStop\Heli</td>
</tr>
<tr>
<td>2</td>
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<td>11</td>
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<td>6</td>
<td>11</td>
<td>14</td>
<td>56</td>
<td>AppImage\BusStop\House</td>
</tr>
</tbody>
</table>

Fig 4: Timing.

V. CONCLUSION

The current generation communicates with technologies more than communicating with others. Thus everything has been digitalized so, the proposed system is to create an webpage for user to identify their transport information by using the voice recognition process. This proposed system is a initiative for future development in creating an expert system for people to find and identify their route, timing, bus and status of transport.

VI. REFERENCES


