

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 to enquire 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.

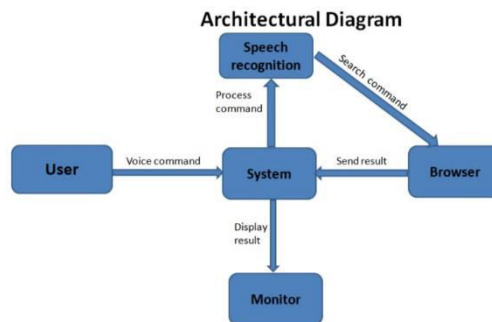


Fig 1: Architecture of the proposed system.

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.

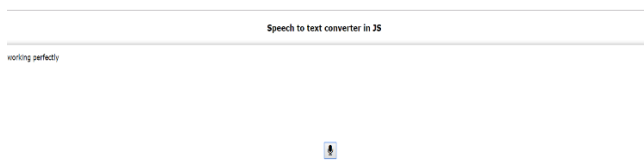


Fig 1: The Home page.

	Id	Name	Picture
1	6	Normal	Applimages\BusType\Blue hills.jpg
2	7	Delux	Applimages\BusType\Water lilies.jpg

Fig 2: Type of bus

	Id	Place	Picture
1	10	Hubli	Applimages\Places\Water lilies.jpg
2	11	Gadag	Applimages\Places\Winter.jpg

Fig 3: Places.

	Id	FromPlace	ToPla...	Time	Day	BusId	PlatformId	Via	RootMap
1	11	10	11	5	Saturday	10	13	as,er	Applimages\RootMaps\Water
2	12	11	10	6	Saturday	11	14	sd-dsf-sd	Applimages\RootMaps\Sunset

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

[1] H.C. Wang, S. R. Fussel, and D. Cosley, "Machine Translation vs. Common Language: Effects on Idea Exchange in Cross-Lingual Groups," Proc. Computer-

Supported Cooperative Work (CSCW 13), ACM, 2013, pp. 935–937.

[2] F. Calefato, F. Lanubile, and R. Prikladnicki, "A Controlled Experiment on the Effects of Machine Translation in Multilingual Requirements Meetings," Proc. 6th IEEE Int'l Conf. Global Software Eng. (ICGSE 11), IEEE, 2011, pp. 94–102.

[3] F. Calefato et al., "Assessing the Impact of Real-Time Machine Translation on Requirements Meetings: A Replicated Experiment," Proc. ACM-IEEE Int'l Symp. Empirical Software Engineering and Measurement (ESEM 12), ACM, 2012, pp. 251–260.

[4] D. Arnold, "Why Translation Is Difficult for Computers," Computers and Translation: A Translator's Guide, H. Somers, ed., Benjamins Translation Library, 2003, pp. 119–142.

[5] A. Waibel and C. Fugen, "Spoken Language Translation," Signal Processing Magazine, vol. 25, no. 3, 2008, pp. 70–79.