

VOICE RECOGNITION IN REGIONAL LANGUAGES

PROJECT REPORT

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In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

(Visvesvaraya Technological University)

Under the Guidance of

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MANGALORE-574143, KARNATAKA

2013 – 2014

ABSTRACT

This project aims at bringing the voice recognition technology closer to the people of rural India who cannot speak in English. This module basically works as a normal voice recognition tool that takes voice input and executes the command that is requested. The regular voice recognition module takes in input only in English. This module takes the input in a regional language like Kannada Hindi etc,. The command can be given in a regional or local language and the system will execute the command.

India is a country of more rural areas than urban. With this comes the exploding population of people who cannot speak English. For this reason the voice recognition technology which is used to get work done easily by a user, cannot be presented to them. The usual voice recognition module available in India is English and this proves absolutely no use to the rural folks. With voice recognition made available in regional languages, the people who do not speak English can control any system in their regional language. This project also targets the blind people who know only their mother tongue. It proves most helpful to them.

We have also created a module that can convert text to voice. That is if any text is typed into the module, this text would then be read by a synthetic voice. Any text can be read by the synthetic voice. This module also aims at helping society since it could help the people who have the disability of seeing. This can be used to read the emails in one's inbox as well, which would prove extremely helpful for a large section of the society.