Speech Recognition System (SRS)

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Abstract

Speech recognition is the process where a computer (a processor) identifies spoken commands and reacts upon them. Our voice recognition circuit receives our voice commands, recognizes these commands and then issues them. This feature makes it easy to control lots of household equipments by human voice. The main aim of this project is to contribute in facilitating the life of old and physically disabled people in performing actions that are necessary in their daily lives, like opening and closing the door, turning on and off the lights, heaters, air conditioners and so on. Our project is a prototype that symbolizes how this system works. We chose to have one output which represents a door that will be controlled by our voice commands. For future modifications more outputs can be added to the circuit and hence many devices can be controlled, which will save our time and effort.
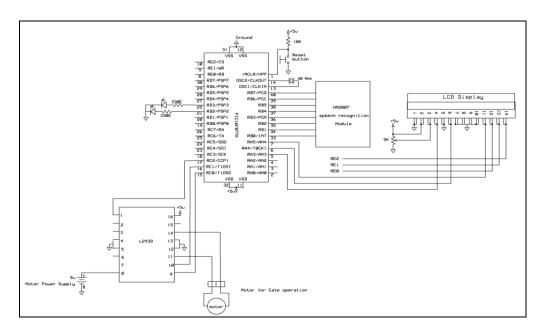
Figure 1 : Schematic of Zero Discharge Desalination System.