The voice controlled TV as we are designing is a system that can recognize voice commands and is independent of any speaker and can control a Television. There will be some keywords that are selected for the system to operate like TV ON and TV OFF etc. and when these commands are given to the system; the system commands the TV to do the same.

**Hardware:**
- System is controlled by voice command
- Voice commands are decoded and sent as a control character to the micro-controller through a USB to serial converter.
- Microcontroller: The Atmega microcontroller
- Relay for switching TV ON/OFF
- IR encoder for controlling TV volume and channels.
- USB 2 serial converter for communication with laptop.
- Battery: 9V 1A battery/9V 1A power supply

**Software:**
- Microsoft speech SDK is a speech-processing library provided by Microsoft and voice control has been done using this library.
- This library provides two API's.
  1. Speech Recognition.
  2. Text to speech Conversion.

**Features:**
- Talking is the easiest ways to communicate with various appliances.
- It can respond to everyone’s voice.