

WIFIPI CAMPUS NEWS (LIVE)

Wireless campus News using Raspberry Pi and WiFi



A PROJECT REPORT

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ABSTRACT

WIFI Campus News Project is an innovative project to bring out a “News Channel” for the College Campus. It aims at bringing out notices of various file formats like pdf, audio, video, text and images on a HDMI TV and displays it as a Television News channel. The Raspberry Pi supports campus news display through HDMI TV in college campus with Wi-Fi connection.

The project has mainly one server desktop computer and remote client Raspberry Pi HDMI TV . The communication between servers to the client is through wireless internet Wi-Fi network. The server and clients are having unique IP addresses. The Raspbian operating system is installed for the remote Raspberry Pi and Ubuntu 12.04 is installed for server computer. The server has an application running to get the data and transmit the data whenever required. One more developed application is running online on the Raspberry Pi to receive the data and display the data at the client side HDMI TV.

Because of the relatively easy nature of completely starting over with a new operating system by using a new SD card, this project possess no worries about causing software problems due to development in Raspberry Pi technology.