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REMOTE OPERATED DOMESTIC APPLIANCES CONTROL BY ANDROID

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ABSTRACT:- We know that most of home appliances can be controlled by switches. But by using many technologies we can automate home appliances. In This paper we are using DTMF for home automation system using microcontroller. Dual Tone Multi Frequency (DTMF) is a signaling system which use to identify the keys on a DTMF keypad. It is useful in telecommunication signaling over analog telephone lines. The voice frequency band is a between communication devices and telephone handsets. Home appliances control system can be accessed by a mobile handset to control and monitor home appliances. system allows for a user to remotely control the home appliances using a mobile handset, this system is a flexible which performs this service from anywhere and at anytime. The working principle of a typical mobile controlled home appliance if button is pressed from the mobile keypad, act immediately generates a tone of two frequencies. These tones are called column and row frequencies.

Keywords:-DTMF, Android



APPLICATION OF VEDIC MATHEMATICS IN DIGITAL SIGNAL PROCESSOR

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ABSTRACT:- Now a days the Technology is booming very fast day by day. For any DSP processor the most important thing is Speed. The speed of processor basically depends on the multiplier which is being used in Processor. Basic difference between the conventional and Vedic Multiplier is speed. In DSP the FFT(Fast Fourier Transform) and DFT(Discrete Fourier Transform) techniques are basically the multiplication processes. In this paper we discuss the application of Vedic Mathematics to enhance the speed of the DSP processor.

Keywords— DSP, Vedic Mathematics, Urdhava-Triyakbhm, Nikhilm.