

WIRELESS CELL PHONE DETECTION SYSTEM

ABSTRACT:

In tight security places it is mandatory for people to switch off their cell phones. Also, in examination halls it is needed that student should not keep their cell phones with them. This project is made with this aim to tackle this problem with the smallest and easiest possible manner.

When a cell phone is active, it radiates frequency in the range of 0.9 GHz to 3 GHz. When the Wireless Cell Phone Detection System project is kept near such an active cell phone device, it intercepts those signals. And when the interception occurs, the circuit indicates this event by a glowing LED. Due to the property of the cell phone frequencies can penetrate through layers of clothing material or even wooden blocks or thin metal blocks, the active cell phone devices can be tracked even if they are hidden by their users. In this way the secured area can be scanned for any hidden cell phone devices that have not been switched OFF. The wireless cell phone detection system works with the help of reception of cell phone's radiated high frequency signals. When the cell phone is active, it radiates these frequency signals. When the signal is rectified and amplifies with the help of an amplifier circuit. This amplified output is given to the LED so that it can lit up bright enough for the user to see the LED is ON. As soon as the cell phone signals go away, the LED will again go OFF indicating absence of any cell phone devices in its vicinity.

Submitted by:

P.Amulya-pendota.amulya987@gmail.com

E.Sai Sreeja-eetoorisreeja@gmail.com

P.Divya-hansi.deepu@gmail.com