Abstract

With the advancement in wireless technology, many tools have been developed to control a device from a remote location. These tools eliminate the need of physical availability of a person for controlling the device manually. Generally GSM and GPS technology is used in these tools to locate and control a device. But the tools which use only these technologies for their operation are highly insecure and inefficient. This paper proposes an alternate approach for wireless control of a device by incorporating a fingerprint identification module along with GPS and GSM modules. The fingerprint module increases the authenticity of the device and enables multiple users to control the device. These modules are integrated to a simple Arduino microcontroller to demonstrate various functionalities. The proposed approach finds its application in the various fields like automobiles, agriculture, etc.

References

1. "Vehicle Location Finder Using Global Position System and Global System for Mobile", 
GSM/GPS based Device Switching with Fingerprint Module Integration using Arduino


Index Terms

Computer Science                   Pattern Recognition

Keywords

GSM, GPS, fingerprint identification module, Arduino microcontroller, LCD