Abstract

In this era of information technology, enterprise needs the automation of every business process to get the competitive advantage and multidimensional growth of the business. For this every enterprises need to observe the incoming and out going time of every employee and to stop the entry of unauthorized persons. For CICO many automated and manual systems are available like smart card, RFID, manual ID card, thumb impression techniques, etc. Every technique has its advantages and disadvantages. But the biggest problems with people/employee in this IT era is that employees have to carry a number of electronic devices (PDA, Mobile Phone, Smart card, Client for RFID, Library card, ATM Card, Credit Card etc) with them for different purposes. Carrying so many e-devices/e-cards is not comfortable for a person. To reduce the number of e-devices one has to carry, many IT/Electronic industries are working towards integration. As a result, mobile phone today can be used for MP3/MP4 player, FM
Check in Check out Using Blue Tooth Ad Hoc Network (CICO-BT)

radio, storing data, surfing Internet and much other application in business transactions etc.

The purpose of this paper is to integrate the authentication process at the time of entry and exit of employee using mobile phones with the support of Bluetooth (BT) Ad-Hoc network.

Today the cost of BT enabled mobile is not very high. The minimum cost of a BT and Kilobyte Virtual Machine (KVM) mobile is Rs.2500/- and an employee can easily afford it. An analysis report says that - 95% employees are having BT and KVM mobiles. It means mobile phone can be used as an ID card also for the purpose of authentication in CICO system.

Reference


- Jonathan Gennick, Carol McCullough-Dieter & Gerrit-Jan Linker, Oracle 8i DBA Bible. IDG Book India, 2002.
Check in Check out Using Blue Tooth Ad Hoc Network (CICO-BT)

Index Terms

Computer Science

Networks

Key words

CICO

BT

PDA

KVM

RFID

PDA