

## **IS5WHSC**

Compiled from various sources, including CIO, personal interaction with IT professionals and summarized by Vikram Atwal, Vyteq

- a) What are Smart Cards?
- a. Smart Cards, are chip based plastic cards, working on the principles of RFID, that have a memory chip and an antenna. They differ from proximity, RFID Tags and or magnetic cards, where by they have the ability to store user data as-well, as having their own unique identification number.
  - b. While Proximity cards, RFID Tags and magnetic cards only possess a unique identification number, hence they cannot store any user data.
  - c. There are few propriety technologies, on which Smart Cards chips are designed, out of which Phillips MiFare is the most prevalent, and secure, that can be used with many different types of readers.
- b) Where Smart Cards can be used?
- Smart can be used for various applications, such as:
- i. Attendance control
  - ii. Access Control
  - iii. Member Identification
  - iv. E-cash and or POS usage
  - v. Loyalty Program
  - vi. Guest
- For specific information on each type of application, please request details.
- c) What is required to run a Smart Card application?
- vii. A secure, and good quality Smart Card
  - viii. A Smart Card reader
  - ix. A PC or Server based Application
  - x. Bridge between Reader and Server
- d) Who can benefit from a smart card?
- A company, its vendors, employees, and clients all can benefit from a smart card system, provided the application is designed well and it interfaces, with the applications of all participants.
- e) Where can such systems be used?
- xi. Offices, factories for attendance, access control, canteen management, tracking etc.
  - xii. Malls, Movie Halls, amusement parks, etc. for loyalty and E-cash applications

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**IS-5W=HIT = Right Information – Right Person – Right Time**

- xiii. Clubs, Gyms, for member benefits, access control, E-cash and POS, and Loyalty programs.
- xiv. Hotels, again for loyalty program, e-cash, POS, access control, etc.
- xv. Housing complexes, for access control, resident identification, etc

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