

ICT Applications in Library Services

Unit 4 Smart Card–Applications of Smart Card

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▶ Applications of Smart Card

▶ Telecommunications-

- ▶ The most prominent use of the smart card technology is in the development of SIM card or subscriber identity module.
- ▶ A SIM card provides unique identification to each subscriber and provides network access to each subscriber and manages its authentication.



▶ Domestic-

- ▶ The most frequently used smart card in domestic field is the DTH smart card.
 - ▶ This card provides authorized access to the information coming from the satellites.
 - ▶ In simple words the card with which we can get access to the direct to home TV service is nothing but a smart card.
 - ▶ The information is encrypted and decrypted within a smart card.
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▶ *E-commerce and Retail-*

- ▶ Smart card can be used to store information like a person's account details, the transaction details and can be used in purchasing goods online by acting as a credit card.
- ▶ Some retailers can also use smart cards to store points for a particular customer and provide necessary incentives to repeated customers.



▶ *Banking Application-*

- ▶ The most prominent use of smart card in banking application is the replacement of the traditional magnetic stripe based credit or debit card.
- ▶ Example- master card and VISA.

▶ *Government Application-*

- ▶ Smart cards are being used by government to issue identity cards to individual, which contains all the details of the individual.
- ▶ Example- Aadhar card.

▶ *Secured physical access–*

- ▶ Smart cards can be used by organizations or differed public areas to provide authorized access to the employees (members of the organization) or other persons to the secured areas.
 - ▶ The smart cards generally contain identity details of the individual which is scanned and checked.
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▶ *Commercial Applications*

- ▶ Banking/ payment
- ▶ Identification
- ▶ Ticketing
- ▶ Parking and toll collection
- ▶ Universities use smart card for ID purposes and at the library, vending machine, copy machines and other services on campus.



THANKS

