

Current Trends in Information Technology

1. E-commerce:

Models of E-commerce, Application with respect to models, BPR & E-commerce, Creation of E-commerce sites (ethics) commercial/ edu / org sites.

2. Information system Security:

Threats and implications, security policy, Biometric, facial and smart cards, RFID, DSA, Firewalls:

Kinds of firewalls: packet filters, distributed firewalls

Building firewalls (only steps).

3. Knowledge management:

What is KM (Components and type of knowledge), knowledge building models, KM cycle and KM

architecture, KM tools, KM approaches- Mechanist, cultural/ be/ heuristic, systematic.

4. GIS:

What is GIS, Nature of geographic data, spatial objects and data models, getting map on computers, GIS standards, and Standardization process of GIS-development, implementation, and deployment phases.

5. BCP / BPO:

What is BPO/BCP, Why it is required, Guidelines, Merits/De-Merits, Lows of BPO -Non disclosure agreements, SLA (Service Level Agreements), Call center – brief perspective technology wise?

6. E- Banking:

ICIICI. Com, HDFC.com, Electronic Payments, Securities in E-banking

Services Provided

- ATM
- ECS (Electronic Clearing System) e.g. Telephone, Electricity bills (6 hrs.)

7. E- Speak:

E- learning- Models (WBT, CBT, distance learning), LMS & LCMS,

Video Conferencing, Chat, bulleting, building inline community,

Asynchronous/Synchronous Learning

E- Logistics – Maharashtra.gov.in, Logistics & Supplier Chain Management, Warehousing Management, Transportation Management, Information & Communication Technology, How set up layers (Extranet, Intranet, Internet), Dynamiclogistics.Com , Samsung.com

E-Governance - What is E- Governance, Models (G2B, G2C, C2G, G2G), Challenges to E-

Governance, Strategy and tactics for implementation of E- Governance.

8. IT Act 2000(14 countries included IT act):

Cyber law - Issue of Computer Access, Hacking & cracking, Types of Computer criminals & crimes, Software /Hardware Piracy

9. Mobile Computing:

Difference between desktop and mobile computing, Mobility, Components, WAP Architecture, Applications & Services, Security.

10. Embedded Systems:

Features & types of embedded systems, Components of Embedded system, Applications of Embedded system, Palm devices.

11. Data mining and data Ware housing:

Architecture, OLTP & OLAP

Reference Books

1. E-commerce by Milind Oka
2. Firewalls & Internet Security by William R. Cheswick, Steven M. Bellovin, Aviel D. Rubin

Pearson Education

1. The essential Guide to Knowledge Management by Amrit Tiwari
2. MIS by Javadekar
3. The GIS book 5th edition by George and Karte
4. Information Systems Today by Leonard Jessup, Joseph Valacich