



INDIAN INSTITUTE OF MANAGEMENT & COMMERCE
DEGREE & P.G COLLEGE, An Autonomous College
Sponsored by VASAVI FOUNDATION & Affiliated to OSMANIA UNIVERSITY
RE-ACCREDITED BY NAAC WITH "A+" GRADE
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Fundamentals of Information Technology

Unit I: Foundations of Computing & Digital Business

1. Define information technology and explain its role in business transformation.
2. Describe the components of a computer system.
3. Explain the strategic role of IT in functional areas of business.
4. What are the ethical and social issues in digital business?
5. Explain various input and output devices with examples.
6. Write about emerging technologies such as AI, ML, IoT, and Blockchain.
7. Explain the role of IT in business decision-making.
8. Differentiate between hardware and software.

Unit II: Data, Storage & Logical Foundations

1. What is Number system? Explain different types of Number System with examples.
2. Explain the basic logic gates (AND, OR, NOT).
3. Discuss various types of computer storage devices.
4. Differentiate between RAM, ROM, SSD, and HDD.
5. What is cloud storage? Explain its advantages over local storage.
6. Explain the concept of file systems and organization.
7. Define database and explain its role in business.
8. Discuss how data supports decision-making.

Unit III: Software Applications for Business

1. Explain various types of operating systems with examples.
2. Discuss the functions of utility software.
3. What are the features and uses of word processing software?
4. Explain spreadsheet functions such as IF, VLOOKUP, and Pivot Tables.
5. Describe features of presentation software for business use.
6. What is ERP? Explain its basic modules and benefits.
7. Define CRM and explain its role in customer management.
8. What is SaaS? Explain its advantages in business.
9. Describe the importance of database management systems in business.

Unit IV: Networking & Internet in Business

1. Define computer network and explain its types (LAN, WAN, WLAN).
2. Describe different network topologies with diagrams.
3. Explain the roles of routers, switches, and modems.
4. What is client-server architecture? Explain with an example.
5. Explain the concept of IP, DNS, and URLs.
6. Describe how search engines and browsers work.
7. What is e-commerce? Discuss its models and benefits.
8. Explain the role of social media in business marketing.

Unit V: Cloud Computing & Cybersecurity

1. Define cloud computing and explain its key characteristics.
2. Discuss the advantages and challenges of cloud computing.
3. Explain different service models: SaaS, PaaS, and IaaS.
4. What are deployment models of cloud computing?
5. Explain common types of cyber threats.
6. Describe various cybersecurity measures for protection.
7. What is data backup and why is it important?
8. Explain safe browsing and password management practices.
9. Write short notes on cyber laws and data privacy.
10. Discuss the role of firewalls and antivirus software in cybersecurity.