Bharati College

**(University of Delhi)**

Janak Puri, Delhi- 100058

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Lesson Plan (CORE, Semester IV, Jan to May 2023)

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| **Name of Teacher** | Ms. Sunita | | **Department** | | Commerce |
| **Course** | B.COM(H) | | **Semester** | | IV |
| **Paper** | BCH 4.3: COMPUTER APPLICATIONS IN BUSINESS  (2 lectures Theory Only) | | **Academic Year** | | 2022-23 |
| **Learning Objectives** | | | | | |
| To provide computer skills and knowledge for commerce students and to enhance the student understands of usefulness of information technology tools for business operations. | | | | | |
| **Learning Outcomes** | | | | | |
| 1: understand the various concepts and terminologies used in computer networks and internet and be aware of the recent developments in the fast-changing digital business world.  2: handle document creation for communication.  3: acquire skills to create and make good presentations  4: make various computations in the area of accounting and finance and represent the business data using suitable charts. S/He should be able to manipulate and analyze the business data for better understanding of the business environment and decision making.  5: understand and apply the various database concepts and tools in the related business areas with the help of suggested popular software. | | | | | |
| **Lesson Plan** | | | | | |
| **Week No.** | | **Theme/Curriculum** | | **Any Additional Information** | |
| Week 1 | | Computing: Concept of computing, Data and information; Computing Interfaces: GUI, CLI, Touch Interface, NLI; data processing; applications of computers in business. | |  | |
| Week 2 and Week 3 | | Computer Networks: Meaning of computer network; objectives/ needs for networking; Applications of networking; Basic Network Terminology; | |  | |
| Week 4 & 5 | | Types of Networks; Network Topologies; Distributed Computing: Client Server Computing, Peer- to- peer Computing; Wireless Networking; Securing Networks: firewall. | |  | |
| Week 6 | | Basic Internet Terminology: I.P. Address, Modem, Bandwidth, Routers, Gateways, Internet Service Provider (ISP), World Wide Web (www), Browser. | |  | |
| Week 7 & 8 | | Search Engines, Proxy Server, Intranet and Extranet; Basic Internet Services; Internet Protocols: TCP/IP, FTP, HTTP(s), Uses of Internet to Society; Cyber Security: Cryptography, digital signature. | |  | |
| Week 9 | | Recent trends in computing: Tools of business collaboration: emails, wikis, file sharing, screen sharing, web presenting, work scheduling; Cloud computing: meaning, types of cloud services: IaaS, PaaS, SaaS; Grid Computing; | |  | |
| Week 10 & 11 | | Virtualization; Green Computing; E-Commerce: meaning, business models , Electronic Data Interchange (EDI), Payment Gateways; Internet of Things (IoT) | |  | |
| Week 12 & 13 | | Theoretical background of Database Designs for Accounting and Business Applications: Database, Database Management System, Database System; Comparison of Database System with Traditional File System. | |  | |
| **References**  • Elmasari, Ranez and Shamkant B. Navathe, *Fundamentals of Database Systems*, Pearson Education  • Jain Hem Chand and Tiwari H. N. (2019), Computer Applications in Business, Taxmann  • Madan Sushila, Computer Applications in Business, Scholar Tech Press.  • Mathur Shruti and Jain Pooja, Computer Applications in Business, Galgotia Publishing Company  • Sharma S.K. and Bansal Mansi, Computer Applications in Business, Taxmann  • Wayne Winston, Data Analysis & Business Modeling, PHI.  **Additional Resources**  1. | | | | | |
| **Online Resources (If Any)** | |  | | | |
| **Assignment and Class Test Schedule for Semester** | | Link the assignment and Test (optional) | | | |