Bharati College

 **(University of Delhi)**

Janak Puri, Delhi- 100058

[www.bharaticollege.du.ac.](http://www.bharaticollege.du.ac.)in

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) |