

T.Y. B.B.A Computer Application
(Sem-VI) Course Code: CA-601

According to SPPU New Revised CBCS Syllabus w.e.f. 2021-22

A Text Book of

Recent Trends in IT




Innovation Throughout
VISION

Archana Taru
Bali Shankar Khurana
Hanifkha Pathan

According to New SPPU CBCS syllabus w.e.f.2021-2022

T.Y. BBA (CA)

(Under faculty of Commerce & Management)

Sem – VI

[Course Code CA– 601]

A Text Book of

Recent Trends in IT

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Syllabus (SPPU)w.e.f.2021-22
BBA(CA)

Unit No.	Topics	No. of Lectures
1.	Introduction to recent trends 1.1 Artificial Intelligence 1.2 Data Warehouse 1.3 Data Mining 1.4 Spark	02
2.	Artificial Intelligence 2.1 Introduction & Concept of AI 2.2 Applications of AI 2.3 Artificial Intelligence, Intelligent Systems, Knowledge –based Systems, AI Techniques 2.4 Early work in AI & related fields. 2.5 Defining AI problems as a State Space Search 2.6 Search and Control Strategies 2.7 Problem Characteristics 2.8 AI Problem: Water Jug Problem, Tower of Hanoi, Missionaries & Cannibal Problem	08
3.	AI Search Techniques 3.1 Blind Search Techniques: BFS, DFS, DLS, Iterative deepening Search, Bidirectional Search, and Uniform cost Search 3.2 Heuristic search techniques: Generate and test, Hill Climbing, Best First search, Constraint Satisfaction, Mean-End Analysis, A*, AO*	08
4.	Data Warehousing 4.1 Introduction to Data warehouse 4.2 Structure of Data Warehouse 4.3 Advantages & uses of Data Warehouse 4.4 Architecture of Data Warehouse 4.5 Multidimensional data model 4.6 OLAP Vs. OLTP 4.7 OLAP Operations 4.8 Types of OLAP Servers: ROLAP versus MOLAP versus HOLAP	08

T.Y. B.B.A.

(Computer Application)

(Sem-V)

- Cybersecurity
- Object Oriented Software Engineering
- Core Java
- MongoDB
- Python

(Sem-VI)

- Recent Trends in IT
- Software Testing
- Advanced Java
- Android Programming
- Dot Net Framework



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