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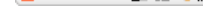
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Syllabus for Information Technology Trends(IT-Trends)(BCA-202) - BCA Jodhpur University

Posted Date: 11 May 2009

Author: [Siraj CM](#)

Rating: ★★☆☆

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INTRODUCTION TO VIRTUAL REALITY – Introduction, Brief History of virtual reality, Present uses of virtual reality.

Artificial Intelligence and Expert system- Concepts of AI & Expert Systems, Building of Expert system, Merits and Demerits of Expert system, Application of Expert system and AI. Decision Support System, Executive Information System.

Unit-II

DATAWAREHOUSE AND DATA MARTS – Introduction, Advantages of data warehouse, Data warehouse components, Summarized data, Current details, System of records, Integration and transformation programs, Achieves, Metadata, Structure of a data warehouse, Uses of a data warehouse, Standards reports and queries, Queries against summarized data, Data mining, Interface with other warehouse

DATAMINING – Introduction, Evolution of data mining, Data mining –verification vs. discovery, Advantages of data mining, Technologies used in detaining

Unit-III

Computer Viruses, Types of Viruses, Ways to catch Computer Virus, virus detections and preventions, Worms. Security in IT- Attacks, hackers, crackers, cryptology, encryption and decryption , firewall etc.

Wireless communication- GSM,WLL,VOIP, Bluetooth, virtual reality, Embedded system, WI-FI , WIFIBER, SYMFONY, infrared.

Unit-IV

Introduction to Data warehouse, Components of a Data Warehouse, Different methods of storing data in a Data warehouse. Advantages of Data warehouse.

Introduction of Data Mining.

DISTRIBUTED SYSTEMS – Introduction, Distributing the processing and storage Function, Advantage and Disadvantage of Distributed System.

E-Supply Chain Management.

Unit-V

Introduction, E-Supply-Chain components, E-Supply-Chain architecture, Major

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Trends in E-SCM, Some examples of using ESCM.

E-Customer Relationship Management (E-CRM) Customer Relationship management concepts, How technology can help in this. E-CRM solutions, advantages, E-CRM capabilities, Data Mining & E-CRM, Some examples of using E-CRM.

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