

SIR C R REDDY COLLEGE FOR WOMEN
COMPUTER SCIENCE DEPARTMENT
B.Com course outcomes

Semester – I

Subject: Information Technology

Course Objectives

- To introduce the fundamental concepts of Computers, Hardware, Software and able to interact with documentation, Power point and Spreadsheet.
- Understand Get Quick Sum of Numbers and Filtering Data in MS Excel.
- Understand to Create slide presentations that include text, graphics, animation, and transitions.
- Understand how to access data using Reports, Forms, Queries.

Course Outcomes

- **CO1:** Describe the fundamental hardware components that make up a computer's hardware and the role of each of these components.
- **CO2:** Understand the difference between an operating system and an application program, and what each is used for in a computer.
- **CO3:** Use technology ethically, safely, securely, and legally.
- **CO4:** Describe Creating, Saving, Closing, Opening and editing of a Document and how to apply text formatting, footers, Header, Mail Merge, Macros of a document.
- **CO5:** Describe Spread Sheet-Workbook, Apply standard statistical inference procedures to draw conclusions from data.
- **CO6:** Describe to create slide presentations that include text, graphics, animation, and transitions.
- **CO7:** Retrieve information and create reports from databases.
- **CO8:** Analyse compression techniques and file formats to determine effective ways of securing, managing, and transferring data.

- **CO9:** Identify and analyse user needs and to take them into account in the selection, creation, integration, evaluation, and administration of computing based systems.
- **CO10:** Analyse a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- UNIT1: CO-1, 2 , 3
- UNIT2: CO-4
- UNIT3: CO-5
- UNIT4: CO-6
- UNIT5: CO-7,8 ,9, 10
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II Semester

E-Commerce and Web Designing

Course Objectives:

- Identify the key components of e-commerce business models and strategies applicable to e-commerce
- Describe how Internet and www features and services support e-commerce.
- Understand the issues involved in choosing the most appropriate hardware and software for an e-commerce site
- Explain the process that should be followed in building an e-commerce presence
- Understand the environment in which the online retail sector operates today.
- Understand the key factors affecting the online publishing industry and entertainment industry.
- Describe the major types of auctions, their benefits and costs, how they operate, when to use them, and the potential for auction abuse and fraud.
- Understand the concepts of html, Cascading style sheets and frames.

Course Outcomes:

At the end of the course, the students are expected to DEMONSTRATE the following cognitive abilities (thinking skill) and psychomotor skills.

CO-1 : Analyze the impact of E-commerce on business models and strategy.

CO-2 : Understand the foundations and importance of E-commerce.

CO-3 : Define Internet trading relationships including Business to Consumer, Business- to-Business, Intra-organizational.

CO-4 : Describe the infrastructure for E-commerce.

CO-5 : Assess electronic payment systems.

CO-6 : Discuss legal issues and privacy in E-Commerce.

CO-7 : Recognize and discuss global E-commerce issues.

CO-8 : Understand the principles of creating an effective web page, including an in-depth consideration of information architecture

CO-9 : Learn the language of the web: HTML and CSS.

CO-10: Exploring a web development framework as an implementation example and create dynamically generated website complete with user accounts, page level security, modular design using css

CO-11: Understand the concepts of Security for an e- commerce environment

Unit 1 : CO- 1,2,3,4

Unit 2 : CO - 5

Unit 3 : CO - 6,7

Unit 4 : CO - 8,9,10

Unit 5 : CO -11

SEMESTER –III

Subject:PROGRAMMING WITH C C++

Course Objectives:

1. This course aims to introduce the concepts like arrays, pointers etc.
2. To understand Object oriented concepts like data abstraction, encapsulation, etc.

Course Outcomes:

CO 1: Understand the concept of a program (i.e., a computer following a series of instructions)

CO 2: Understand the concept of a loop – that is, a series of statements which is written once but executed repeatedly- and how to use it in a programming language.

CO 3: Ability to use an array to store multiple pieces of homogeneous data, and use a structure to store multiple pieces of heterogeneous data.

CO 4: Demonstrate the applications of functions in C.

CO 5: Have a basic knowledge to perform operations on strings by using some functions.

CO 6: Demonstrate the concepts of object oriented programming.

CO 7: Illustrate the applications of c++ and gain knowledge about the structure of c++.

CO 8: Demonstrate the concepts of c++ like function overloading,operator overloading and inheritance.

CO 9: Illustrate the differences between constructors and destructors.

UNIT 1: CO -1

UNIT 2: CO- 2,3

UNIT 3: CO -4,5

UNIT 4: CO -6,7

UNIT 5: CO-8,9

SEMESTER –IV

DATA BASE MANAGEMENT SYSTEM

Course objectives:

- Understand database system concepts and design databases for different applications and to acquire the knowledge on DBMS.
- Implement and understand different types of DDL, DML and DCL statements.

Course Outcomes:

At the end of the course, the students is expected to DEMONSTRATE the following cognitive abilities (thinking skill) and psychomotor skills.

CO 1. Understand the role of a database management system in an organization.

CO 2. Understand basic database concepts, including the structure and operation of the relational data model.

CO 3. Understand and successfully apply logical database design principles, including ER diagrams and database normalization.

CO 4. Model an application's data requirements using conceptual modeling tools like ER diagrams and design database schemas based on the conceptual model.

CO 5. To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS.

CO 6. Understand the basics of SQL for retrieval and management of data

CO 7. Create and Manage Database using SQL command.

CO 8. Improve programming constructs such as functions, stored procedures and triggers can be shared by multiple form

CO 9. Perform PL/SQL programming using concept of Cursor Management, Error Handling, Packages.

Unit 1 : CO-1

Unit 2 : CO - 2

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Unit 3 : CO - 3,4,5

Unit 4 : CO - 6,7

Unit 5 : CO -8,9

V- Semester

E-Commerce Application Development

Course Objectives:

- Identify the key components of e-commerce business models.
- Understand key business concepts and strategies applicable to e-commerce
- Describe how Internet and web features and services support e-commerce.
- Understand the issues involved in choosing the most appropriate hardware and software for an e-commerce site
- Explain the process that should be followed in building an e-commerce presence
- Identify the concepts of Web and internet tools
- Understand the concepts of Cascading style sheets, frames, Java Script and PHP.
- Understanding the concepts of WordPress.

Course Outcomes:

At the end of the course, the students is expected to abilities

CO-1: Understand the evolutions and importance of E-commerce.

CO-2: Analyze the impact of E-commerce on business models and strategy.

CO-3: Understand the Concepts e-commerce business models

CO-4: Learn the concepts of Electronic Data Interchange Technology

CO-5: Assess electronic payment systems.

CO-6: Understand the principles of creating an effective web page, including an in-depth consideration of information architecture

CO-7: Learn the language of the web: HTML and CSS, Java Script and PHP

CO-8: Learn the concepts of WordPress and how to make different tools in WordPress.

Unit 1 : CO -1,2

Unit 2 : CO - 3

Unit 3 : CO - 4,5

Unit 4 : CO - 6,7

Unit 5 : CO – 8

Semester V

Subject: REAL TIME GOVERNANCE SYSTEM

Course Objectives:

- To introduce the fundamental concepts of E-Governance
- To explain the concept of leveraging ICT in the implementation of E-Governance.
- To explain how the implementation of E-Governance improves transparency, accountability, efficiency, and effectiveness of the governing process.
- To understand how the Citizen empowerment defines opportunities and accessibility provided to citizens through access to information.

Course Outcomes:

Upon successful completion of the course, a student will be able to:

- **C01:** Understand the terms regarding Governance, E-Governance and RTGS
 - **C02:** Understand the improved service delivery in the form of better access to information and quality services to citizens.
 - **C03:** Understand the enhanced transparency and accountability, efficiency, and effectiveness of the governing process.
 - **C04:** Learn about E-Governance Infrastructure
 - **C05:** Understand the E-Governance implementation in several countries
 - **C06:** Understand the E-Governance implementation in several Indian states
 - **C07:** Understand the applications of RTG in various sectors like Education, Health, Agriculture etc.
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- **Unit I:** CO1,2,3
 - **Unit II:** CO4
 - **Unit III:** CO5
 - **Unit IV:** CO6
 - **Unit V:** CO7