GOVERNMENT DEGREE COLLEGE FOR WOMEN, MADANAPALLE

ANNAMAYYA DISTRICT, ANDHRA PRADESH-517325
AFFILIATED TO SRI VENKATESWARA UNIVERSITY, TIRUPATHI
NAAC ACCREDITED 'B' GRADE

DEPARTMENT OF COMPUTER APPLICATIONS

COURSE OUTCOMES

SL NO	SEMESTER	COURSE TITLE	OUTCOMES *Aftersuccessful completion of this course, students will be able to:*
1	I	**Information Technology**	*A. Remembers and states in a systematic way (Knowledge)* 1. Describe the fundamental hardware components that make up a computer's hardware and the role of each of these components 2. understand the difference between an operating system and an application program, and what each is used for in a computer 3. Use technology ethically, safely, securely, and legally 4. Use systems development, word-processing, spreadsheet, and presentation software

			to solve basic information systems problems B. *Explains (Understanding)* 5. Apply standard statistical inference procedures to draw conclusions from data 6. Retrieve information and create reports from databases 7. Interpret, produce, and present work-related documents and information effectively and accurately C. *Critically examines, using data and figures (Analysis and Evaluation)* 8. Analyse compression techniques and file formats to determine effective ways of securing, managing, and transferring data 9. Identify and analyse user needs and to take them into account in the selection, creation, integration,

			evaluation, and administration of computing based systems. 10. Analyse a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions. 11. Identify and analyse computer hardware, software D. Working in 'Outside Syllabus *Area' under a Co-curricular Activity*(Creativity) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline. E. Efficiently learn and use Microsoft Office applications. 1.
2	**II**	**E- Commerce & Web Designing**	*A.Remembers and states in a systematic way (Knowledge)*

			1. Understand the foundations and importance of E-commerce 2. Define Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational 3. Describe the infrastructure for E-commerce 4. Discuss legal issues and privacy in E-Commerce 5. Understand the principles of creating an effective web page, including an in-depth consideration of information architecture B. *Explains (Understanding)* 6. Recognize and discuss global E-commerce issues 7. Learn the language of the web: HTML and CSS.

			C. *Critically examines, using data and figures (Analysis and Evaluation)* 8. Analyze the impact of E-commerce on business models and strategy 9. Assess electronic payment systems 10. Exploring a web development framework as an implementation example and create dynamically generated web site complete with user accounts, page level security, modular design using css D. Working in 'Outside Syllabus *Area' under a Co-curricular Activity*(Creativity) Use the Systems Design Approach to implement websites with the following steps: • Define purpose of the site and subsections • Identify the audience • Design and/or collect site content

			• Design the website theme and navigational structure • Design & develop web pages including: CSS Style Rules, Typography, Hyperlinks, Lists, Tables, Frames, Forms, Images, Behaviours, CSS Layouts E. Build a site based on the design decisions and progressively incorporate tools and techniques covered
3	**III**	**Programming with C & C++**	*A.Remembers and states in a systematic way (Knowledge)* 1. Develop programming skills 2. Declaration of variables and constants use of operators and expressions 3. learn the syntax and semantics of programming language

			4. Be familiar with programming environment of C and C++ 5. Ability to work with textual information (characters and strings) & arrays *B. Explains (Understanding)* 6. Understanding a functional hierarchical code organization 7. Understanding a concept of object thinking within the framework of functional model 8. Write program on a computer, edit, compile, debug, correct, recompile and run it *C. Critically examines, using data and figures (Analysis and Evaluation)* 9. Choose the right data representation formats

			based on the requirements of the problem 10. Analyze how C++ improves C with object-oriented features 11. Evaluate comparisons and limitations of the various programming constructs and choose correctone for the task in hand. D. Working in 'Outside Syllabus *Area' under a Co-curricular Activity*(Creativity) Planning of structure and content, writing, updating and modifying computer programs for user solutions E. Exploring C programming and Design C++ classes for code reuse (Practical skills)
4	**IV**	**Object Oriented Programming with Java**	A. Understanding the meaning and necessity of audit in modern era B. Comprehend the role of auditor in avoiding the corporate frauds

			C. Identify the steps involved in performing audit process D. Determine the appropriate audit report for a given audit situation E. Apply auditing practices to different types of business entities F. Plan an audit by considering concepts of evidence, risk and materiality
5	**IV**	**Database Management System**	*A.Remembers and states in a systematic way (Knowledge)* 1. Understand the role of a database management system in an organization. 2. Understand basic database concepts, including the structure and operation of the relational data model. 3. Understand and successfully apply logical database design principles, including E-R diagrams and database normalization 4. Understand Functional Dependency and Functional Decomposition *B.Explains (Understanding)*

			5. To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS. 6. Perform PL/SQL programming using concept of Cursor Management, Error Handling, Packages *C.Critically examines, using data and figures (Analysis and Evaluation)* 7. Apply various Normalization techniques 8. Model an application's data requirements using conceptual modeling tools like ER diagrams and design database schemas based on the conceptual model D. Working in 'Outside Syllabus *Area' under a Co-curricular Activity*(Creativity) Design and implement a small database project E. Construct simple and moderately advanced database queries using Structured Query Language (SQL)(Practical skills)