KSN GOVERNMENT DEGREE COLLEGE FOR WOMEN,
ANANTHAPURAMU
B.A. (H E C A) PROGRAMME STRUCTURE

COMPUTER APPLICATION SYLLABUS
DEPARTMENT OF COMPUTER APPLICATION

Programme Specific Outcomes (PSO)

At the end of the program me students will be able to:

PO1: Learn the fundamental principles, basic concepts and scientific theorems relatedto the basic computer subjects and their relevance in their daily life.

PO2: Acquire the skills is handling the scientific equipment and performing theexperiments for the collection of scientific data.

PO3: Draw the logical and scientific conclusions from the experimental data and alsoto compare theoretically.

PO4: Develop the skills of observation, analyzation, explaining the facts through novelmethods for better understanding.

PO5: Learn and maintain ethical, moral and social values leading to highly culturedand civilized personality.

PO6: Improve communication skills, life skills to establish good relationship and toupgrade the standards of living.

PO7: Realize pursuit of knowledge as lifelong activity to develop positive attitude andsatisfaction which leads to successful life.

PO8: Motivate himself and also neighbors towards social service, environmentalprotection to maintain biodiversity/ecological balance.

PO9: Become role models to the younger generation in removing social evils andprotect our national integration.

Programme outcomes (Pos)

PO1. **Critical Thinking**:

PO 1 - The B.A. in computer application course is designed to provide overall and in-depth knowledge about computers to the students. It provides students with an opportunity to critically explore the ways in which world of communications operate in international and national contexts

PO2. **Effective Communication**:

PO2- pursue further studies to get specialization in Computer Science and Applications, Economics, ARTs, business administration

• To pursue the career in corporate sector can opt for MCA ,MSc.

PO3. **Social Interaction**:

PO 3 - To provide thorough understanding of nature, scope and application of computer and computer languages

• To develop interdisciplinary approach among the students PO.

PO4. **Specific officers**

After the completion of the course, a student is able

• To pursue further studies to get specialization in Computer Science and Applications, Economics, Mathematics, business administration

• To pursue the career in corporate sector can opt for MCA.

• To Work in the IT sector as programmer, system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.

.To work in public sector undertakings and Government organisations.

•For teaching in Schools and College

The syllabus and curriculum provides students with the means to investigate and learn a range of working involving activities from creative production and creation to promotion, marketing and networking.

PO5. **Ethics:**

PO 5 - The primary and foremost goal of the course is to train the students in such a way so that they can acquire knowledge, skills and leadership quality to contribute in different all Computer techniques .

PO6. **Environment and Sustainability**:

Provide comprehensive knowledge and skills so that student can work in the field computer Bases , as well as in to academics.

KSN GOVERNMENT DEGREE COLLEGE FOR WOMEN,
Department of Journalism

ComputerApplications	S1-641	B.A.(H E C A)
PAPER – I - Compter Fundamentals & Photoshop		
SEMESTER-I		No of Credits: 4

Learning Objectives:

a.Apply broadcast and entertainment management skills at the workplace.

b   dentifying viable films and Computer subjects ides and understanding rights acquisitions. To demonstrate the   mastery related to Higher Education ,Computer Related Jobs , Soft Skills ,Communication Skilss

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1:	To acquire the basic knowledge on computer hardware and software.	PO1,PO2,PO3
CO2	To learn the concepts and be able to work on adobe Photoshop applications.	PO1,PO6, PO7
CO3	To get the ability to create and edit photo albums	PO1,PO4, PO7

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Computer Application	CA S2-361	B.A.(HECA)
	PAPER II - Programming In C	
SEMESTER-II		**No of Credits: 4**

Learning Outcomes:

To impart knowledge about the structure, components and functions of a computer system.

1) To understand working of basic input and output devices.
2) To learn about the binary number representation along with its operations.
3) To give detailed knowledge of MS-Office.
4) To give an in-depth understanding of role of computers in business, education and society.

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1	To appreciate and understand the working of a digital computer	PO1,PO2,PO3,PO4
CO2	To analyse a given problem and develop an algorithm to solve the problem	PO2,PO3,PO4
CO3	To understand the 'C' language constructs in the right way	PO1,PO2,PO3
CO4	To apply the knowledge to Design, develop and test programs written in 'C'	PO1,PO2,PO3

Computer Application	CA S3-361	B.A.(HECA)
PAPER – III – Object Oriented programming using JAVA		
SEMESTER-III		

Learning outcome:

- To give an overview of benefits of Object Oriented Programming (OOP) approach over the Traditional Programming approach.
- To deliver comprehensive view of OOP concept.
- To impart detailed knowledge of a powerful object oriented programming language – JAVA

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO2	To Understand the concept and underlying principles of Object-Oriented Programming	PO1,PO3,PO3,PO5,PO7
CO3	To Understand how object-oriented concepts are incorporated into the Java programming language	PO1,PO3,PO4,PO5,PO6,PO7
CO4	to acquire and improve problem-solving and programming skills using OOP concept	PO1,PO3,PO3,PO4,PO5,PO7
CO5	To become familiar with the fundamentals and acquire programming skills in the Java language.	PO1,PO3,PO3,PO5,PO7

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Computer Application	CA S4-362	B.A.(HECA)
PAPER – IV - **Data Structures**		
SEMESTER-IV		No of Credits: 4

Learning outcome:

    a.   On completion of this course the students should be able to.

    b.   Understand the various aspects of Data Structure .

    c.   Critically engage with various Data Abstraction and Algorithms.

    d.   will be capable to participate in all computer related Languages

Utilize knowledge gained to appreciate understand and debate the social fabric of the country

COURSE OUTCOMES

    Upon successful completion of this course, students should have

CO1	To acquire the knowledge of arrays, records, linked structures, stacks, queues, trees, and graphs as represented in memory and its applications	PO1,PO2,PO5,PO6
CO2	To Write programs that use arrays, records, linked structures, stacks, queues, trees, and graphs	PO1,PO3,PO5,PO7
CO3	To discuss the computational efficiency of the principal algorithms for sorting, searching, and hashing.	PO1,PO3,PO4,PO5, PO6,PO7

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Computer Application	S5-361	B.A.(HECA)

PAPER – V – Database Management Systems

SEMESTER-V	No of Credits: 4

Learning Objectives:

To introduce the students to the database system.
- To learn how to design a database by using different models.
- To enable the students to understand the database handling during execution of the transactions.
- To understand the handling of database by concurrent users.
- To gain complete knowledge of SQL and PL/SQL.

Utilize knowledge gained to appreciate understand and debate the social fabric of the country□

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1	To gain knowledge on database structure and its design	PO1,PO2,PO5,PO6
CO2	To understand different data models used for database design	PO1,PO3,PO5,PO7
CO3	To understand database transactions and data recovery	PO1,PO3,PO4,PO5, PO6,PO7
CO4	To apply the knowledge of DML,DDL,DCL commands to manipulate data in the database	PO1,PO2,PO3, PO4,PO5,PO7

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Computer Application	S6-362	B.A.(HECA)
PAPER – VI – SOFTWARE ENGINEERING		
SEMESTER-V		No of Credits: 4

Learning Objectives:

- To understand the categories of Information System (IS) and its various operations support systems.
- To gain knowledge about various IS like Accounting System, Inventory Control System and Office Automation System.
- To explain various phases of software development life cycle (SDLC).
- To enable the students to understand managerial issues related to the information systems

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1	To design and develop Windows application using different technologies that use a variety of GUI controls and classes to fulfill specific user requirements.	PO1, PO5, PO6, PO7
CO2	To explain how event driven applications use threading to perform time-consuming operations.	PO3,PO5,PO6
CO3	To demonstrate how to use specific features of the GUI programming language to write objectoriented programs and handle run-time errors.	PO1,PO3,PO4,PO5
CO4	To explain in a public setting how user interfaces should be designed to accommodate human physiology and limitations.	PO1,PO3,PO5, PO7

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Computer Application	**S7-363**	**B.A.(HECA)**
PAPER – VII – Web Technologies		
SEMESTER-VI		**No of Credits: 4**

Learning Objectives:

- To understand the categories of World Wide Web.
- To gain knowledge about various Web Design To explain various phases of software development.
- To Understand HTML Programming.
- To gain knowledge about various Techniques in CSS

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1	To understand the web architecture and web services.	PO1, PO5, PO6, PO7
CO2	To practice latest web technologies and tools by conducting experiments.	PO3,PO5,PO6
CO3	To design static web pages using HTML and Style sheets.	PO1,PO3,PO4,PO5
CO4	To study the framework and building blocks of .NET Integrated Development Environment.	PO1,PO3,PO5, PO7

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Computer Application	CA C1-363	B.A.(HECA)
PAPER – VIII Cluster A1: PHP/MYSQL/WARDPRESS		
SEMESTER-VI		**No of Credits: 4**

Learning Objectives:

- To understand the categories of World Wide Web.
- To gain knowledge about various Web Design To explain various phases of software development.
- To Understand JavaScript Programming.
- To gain knowledge about various Techniques in CSS,PHP
- To gain knowledge about Methods in MYSQL

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1	To Design and develop Windows application using file concepts	PO1, PO5, PO6, PO7
CO2	To understand Data Environment and ActiveX Controls	PO3,PO5,PO6
CO3	To demonstrate how to use ActiveX EXE and ActiveX DLL	PO1,PO3,PO4,PO5
CO4	To apply the knowledge of Web Browsers and DHTML programming skills	PO1,PO3,PO5, PO7

KSN GOVERNMENT DEGREE COLLEGE FOR WOMEN,
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Computer Application	CA C3-363	B.A.(HECA)
PAPER – VIII Cluster A2: JQUERY/AJAX/JSON		
SEMESTER-VI		**No of Credits: 4**

Learning Objectives:

- To understand the categories of World Wide Web.
- To gain knowledge about various Web Design To explain various phases of software development.
- To Understand JavaScript Programming.
- To gain knowledge about various Techniques in CSS,
- To gain knowledge about Methods in Java Script

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1	To understand the web architecture and web services.	PO1, PO5, PO6, PO7
CO2	To practice latest web technologies and tools by conducting experiments.	PO3,PO5,PO6
CO3	To design interactive web pages using HTML,CSS, JavaScript and PHP.	PO1,PO3,PO4,PO5
CO4	To study the framework and building blocks of .NET Integrated Development Environment.	PO1,PO3,PO5, PO7

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Computer Application	CA C3-363	B.A.(HECA)
PAPER – VIII Cluster A3: PROJECT WORK		
SEMESTER-VI		No of Credits: 4

COURSE OUTCOMES

Upon successful completion of this course, students should have

CO1	To Improve software knowledge	PO1, PO5, PO6, PO7