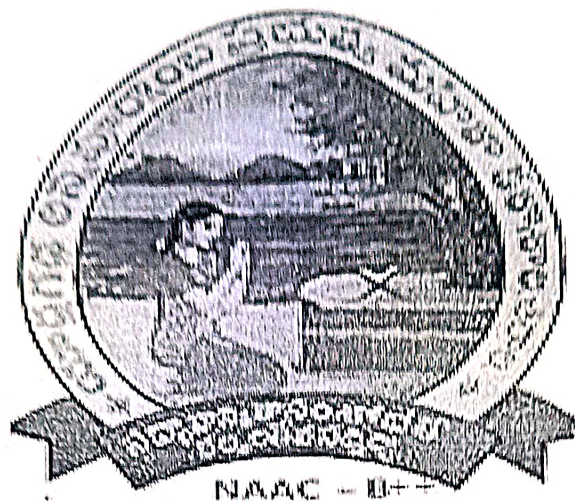


**Y.A. GOVERNMENT COLLEGE(W),
CHIRALA**

Affiliated to ANDHRA KESARI UNIVERSITY, ONGOLE

Accredited by NAAC with 'B++' Grade



**DEPARTMENT OF COMPUTER APPLICATIONS
CO-POS-PSOS DOCUMENT
(OUTCOMME BASED EDUCATION -OBE FRAME WORK)**

ACADEMIC YEAR – 2025-26

B.COM HONOURS (COMPUTER APPLICATIONS) W.E.F 2025-26

PROGRAM OUTCOMES (POs)

After completion of B. Com (Computer Applications) programme, students will be able to:

PO1 – Business Knowledge

Students will gain fundamental knowledge of commerce, accounting, finance and business management.

PO2 – Computer Application Skills

Students will acquire knowledge in computer applications such as programming, database management and office automation.

PO3 – Analytical and Problem-Solving Skills

Students will develop analytical thinking and problem-solving skills to handle business and technological problems.

PO4 – Communication Skills

Students will improve communication and presentation skills for professional and academic environments.

PO5 – Digital Literacy

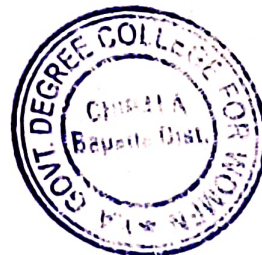
Students will effectively use modern digital tools, software and internet technologies in business operations.

PO6 – Ethical and Social Responsibility

Students will understand professional ethics, social responsibility and legal aspects related to business and technology.

PO7 – Employability and Entrepreneurship

Students will gain skills required for employment, higher education and entrepreneurship opportunities.



[Handwritten signature]
Principal 28/03/

Y.A. Govt. College for Women
CHIRALA, Bapatla Dist., (A.P.)

PROGRAM SPECIFIC OUTCOMES (PSOs)

After completion of B.Com (Computer Applications) programme, students will be able to:

PSO1 – Accounting and Business Applications

Apply accounting principles and business concepts using computerized accounting systems.

PSO2 – Web and E-Commerce Development

Design and develop basic websites and e-commerce applications using web technologies like HTML, CSS and JavaScript.

PSO3 – Database Management

Design, create and manage databases using DBMS concepts and SQL for business data processing.


PSO4 – Data Analysis and Visualization

Analyze business data using tools like Excel, Python and visualization software to support decision making.

PSO5 – Business Intelligence Tools

Use modern BI tools and dashboards to interpret business data and present meaningful insights.




Principal
Y.A. Govt. College for Women,
CHIRALA, Bapatla Dist., (A.P.)

COURSE OUTCOMES

SEMESTER-I

COURSE 2: Fundamentals of Information Technology & Office Automation

Course Outcomes:

Learners will be able to:

1. **Convert between binary, decimal, octal, and hexadecimal systems, and explain computer evolution and generations with examples.**
2. **Learners will demonstrate basic blocks of a computer and fundamental networking knowledge.**
3. **Create professional-level documents and design visually appealing presentations using word processing software and presentation software.**
4. **Manipulate data within spreadsheets, apply formulas, and generate accurate summaries and visualizations.**
5. **Apply data modelling techniques to analyze, organize, and represent data effectively in various scenarios.**

SEMESTER-II

COURSE 4: E-COMMERCE AND WEB APPLICATION DEVELOPMENT

Course Outcomes:

Learners will be able to:

1. **Describe e-commerce models, revenue strategies, and legal considerations including cyber laws and data privacy.**
2. **Implement basic web structures using HTML5 and apply web design principles suitable for digital commerce.**
3. **Create and style dynamic websites using CSS for layout, animation, and visual enhancements.**
4. **Write client-side scripts using JavaScript to enable interactivity, form validation, and event handling.**
5. **Build responsive e-commerce front-ends using the Bootstrap framework, incorporating reusable UI components and custom styling.**

SEMESTER-III

COURSE 7: DATABASE MANAGEMENT SYSTEM

Course Outcomes:

The Learners will be able to:

1. Differentiate between file systems and DBMS, and explain the evolution, architecture, and components of modern database systems.
2. Design conceptual data models using E-R and Extended E-R diagrams, including specialization, generalization, and aggregation.
3. Normalize relational schemas up to BCNF and apply relational algebra operations to query and manipulate data.
4. Write efficient SQL queries using DDL, DML, DCL, and TCL commands, and utilize functions, joins, and views for data analysis.
5. Develop PL/SQL blocks with control structures, procedures, and triggers, and manage transactions ensuring atomicity, consistency, isolation, and durability.

SEMESTER-IV

COURSE 10: DATA SCIENCE USING PYTHON

Course Outcomes:

1. Understand the role of data science, its components, and its relationship with AI and machine learning.
2. Apply Python programming constructs such as strings, lists, tuples, sets, and dictionaries to solve basic data problems.
3. Demonstrate the ability to perform data manipulation and cleaning using NumPy and Pandas.
4. Conduct exploratory data analysis and extract insights from datasets using Python-based tools.
5. Create and customize data visualizations using Matplotlib and Seaborn to communicate analytical findings.

SEMESTER-V

COURSE 12 B: BUSINESS INTELLIGENCE TOOLS AND DATA VISUALIZATION

Course Outcomes

By the end of this course, the student will be able to:

1. Describe the framework, scope, and applications of Business Intelligence.
2. Analyze business datasets using advanced Excel functions like pivot tables, Power Query, and dashboards.
3. Visualize data interactively using Tableau and build industry-grade dashboards.
4. Apply BI tools to different business domains (Finance, Marketing, HR, Operations).
5. Present analytical findings to stakeholders using compelling data storytelling techniques.

STUDENT DECLARATION

We the students of B. Com Honours Computer Applications hereby declare that we have understood the Program Outcomes (Pos) Program Specific Outcomes (PSOs) and Course Outcomes (Cos) for the academic year 2025-2026.

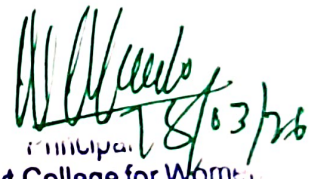
We are aware of the Academic Expectations, Learning Objectives and Skill Development goals of this programme.

We commit to actively participate in Academic, Laboratory and Project activities to achieve the standard outcomes.

S. No	Student Name	OAMDC No	Mobile No	Student Signature
01	VEERAMALLU ANUSHA	OAMDC2257493	9100280740	V. Anusha
02	SINGIRIMALLA DEEPIKA	OAMDC0027188	8712150407	S. Deepika
03	PANCHUMARTHI SWETHA KAMALA	OAMDC0028506	8142167232	P. Swetha kamala
04	KOMATLA SIREESHA	OAMDC0027663	9505829100	K. Sireesha
05	JENNIPOGU KRISHNAVENI	OAMDC2219790	8309904745	K. Krishnaveni
06	KANCHARLA TEJASWINI	OAMDC0026737	9390920831	K. Tejaswini
07	RENUMALA SINDHU	OAMDC2256803	9948122631	R. SINDHU
08	MUTHUKURI POOJITHA	OAMDC0027959	6305998676	M. Poojitha
09	MANEPALLI SRAVANTHI	OAMDC0026192	6300071027	M. Sravanthi
10	DAVALA AKSHA	OAMDC2248154	7416996074	D. Aksha
11	SHAIK NAZEEMA	OAMDC0043622	7816051301	Sk. Nazema
12	MANNAM ARUNA	OAMDC2224257	6302407064	M. Aruna
13	GOGULA VYSHNAVI	OAMDC0027018	9603787527	G. vyshnavi
14	GANGULA HARIKA	OAMDC0029894	7386382220	G. Harika
15	KUKKALA DIVYASRI	OAMDC0025906	6309117871	K. Divyasri
16	KUNCHALA JYOTHIKA	OAMDC2241435	9701067526	K. Jyothika
17	BIRUDU MADHURI	OAMDC0022241	9502823346	B. madhuri
18	GUDDANTI VIJAYA DURGA	OAMDC0026143	7386778574	G. Vijaya Durga
19	PALIBOINA BAPAMMA	OAMDC2247577	8886335450	P. Bapamma
20	MAJETI HARI CHANDANA	OAMDC0020043	9949395103	M. Hari Chandana
21	NAMAPLLI JAHNAVI	OAMDC0028765	6309905872	N. Jahnavi

22	PEDAPALA MOUNICA	OAMDC2228201	9063069556	P. Mounica
23	GELLA RAHELAMMA	OAMDC0048501	7036284651	G. Rahelamma
24	DEVARAMPATI KAVYA	OAMDC2186046	9398033353	D. KAVYA
25	KAVATI SWETHA	OAMDC0029718	7382266799	K. Swetha
26	JAGARLAMUDI LAVANYA	OAMDC2248489	9392335115	J. Lavanya
27	POLINENI PUJITHA	OAMDC2222107	9515185127	P. Pujitha
28	SHAIK KOWSAR	OAMDC2187775	9676910168	SK. KOWSAR
29	RAVULA YASODHA	OAMDC2254313	8688846042	R. Yasodha
30	MADDU INDU	OAMDC2192886	9652608307	M. Indu
31	KATTA CHANDRIKA	OAMDC0026523	9346268107	K. Chandrika
32	KUMMARIGUNTA SRAVANI	OAMDC0018001	8374294690	K. Sravani
33	GANGAVARAPU NAMITHA	OAMDC0048834	7995575750	G. Namitha
34	DETA HARINI	OAMDC2186871	6303019617	D. Harini
35	PATTABHI BALA GOVARDHINI	OAMDC0027377	9059346106	P. Bala Govardhini
36	YERICHARLA VIJAYA	OAMDC0027302	7396598239	Y. Vijaya
37	GOLI RENU VENKATA SRI SAI	OAMDC0028167	7601047722	G. Renu
38	MIKKILI NAGA RATHNA KUMARI	OAMDC2221217	7330711565	M. Ratna Kumari
39	THOTAKURA HASINI	OAMDC2250356	7396818656	T. Hasini




 Y.A. Govt. College for Women
 CHIRALA, Bapatla Dist., (A.P.)