

**A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A),
KAKINADA.**



PROGRAMME SPECIFIC OUTCOMES

2024-25


**A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A),
KAKINADA.
CIRCULAR**

Dated: 12-09-2024.

All the Staff and Students are informed that the Course Outcomes, Programme Outcomes and Programme Specific Outcomes for All Programmes for the Academic Year 2024-25 displayed in our College Website (asgdwcw.ac.in).

Forward this Circular to all Student Groups.

PRINCIPAL


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AUTONOMOUS
KAKINADA

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA
DEPARTMENT OF ZOOLOGY & AQUACULTURE

ZOOLOGY Programme Specific Outcomes (PSOs) (2024-2025)

PROGRAMME SPECIFIC OUTCOMES (PSO'S) OF CBZ/ ZOOLOGY MAJOR

The students who pursue B. Sc - Zoology Major, after completing their programme will be able to:

PSO1. Understand the basic knowledge of Zoology, which includes Morphology, Physiology, Genetics, Evolution, Taxonomy, Cell Biology, Embryology, Economic Zoology, Economic Botany, Biochemistry, Biotechnology, Immunology, Horticulture, Microbiology, etc.,

PSO 2. Value the significance of biodiversity in maintaining sustainable Ecosystems and the importance of Environmental Education.

PSO 3. Acquire skills in handling instruments of Autoclave, PCR, Sphygmomanometer, Calorimeter, Bacterial Incubator etc., to perform basic experiments.

PSO 4. Pursue higher education, Employability and become Entrepreneurs with the acquired knowledge.

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA
DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY
AQUACULTURE TECHNOLOGY

Programme Specific Outcomes (PSO's) (2024-2025)

PSO's of CZAqT


1. To develop theoretical and practical skills in Zoology, Chemistry and Aquaculture.
2. To understand the interdisciplinary areas in Chemistry and Zoology.
3. To provide opportunity in pursuing higher studies in all disciplines of life sciences and Chemistry.
4. To create Entrepreneurship / Self-employment opportunities in Aquaculture areas.
5. To apply various laboratory techniques learnt in Chemistry in Aquaculture laboratories in areas such as Quality assurance, Quality Control, and diagnostics.

A.S.D GOVT DEGREE COLLEGE FOR WOMEN (A)
(Re-Accredited by NAAC with 'B')
KAKINADA 533002 EASTGODAVARI, ANDHRA PRADESH

DEPARTMENT OF BOTANY 2024-2025

Programme Specific Outcomes of CBZ – 2024-2025

1. To develop skills in both theory and practical in Botany, Zoology and Chemistry.
2. To appreciate interdisciplinary aspects in Botany, Zoology and Chemistry
3. To facilitate the students to pursue higher studies in interdisciplinary areas such as Biochemistry, Bioinorganic Chemistry, Bioinformatics etc.,
4. To facilitate employment as lab analyst in Biological Laboratories.
To acquire knowledge and understanding in various instrumentation techniques such as Chromatography, PCR, HPLC which are applicable to all subject discipline


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A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited by NAAC with 'B+')


KAKINADA 533002 EASTGODAVARI, ANDHRA PRADESH

DEPARTMENT BOTANY & HORTICULTURE

Programme Specific Outcomes of CBHC – 2024-2025

PSO's of CBHC

1. To learn the chemical composition of Organic and Inorganic manures and pesticides and their application to crops.
2. To promote Organic Farming to reduce environmental pollution and to sustain the quality of environment
3. To motivate the students towards entrepreneurship and self-employment in Landscaping, Nurseries, Green House Management, Grafting Techniques etc.,
4. To pursue higher education in Horticulture, Chemistry, Botany and other interdisciplinary areas.


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A.S.D. Government Degree College for Women (Autonomous) Kakinada

❖ Program Specific outcomes:

Microbiology students who graduate with a Bachelor of Science with Microbiology will

1. To acquire knowledge in chemistry, Botany and Microbiology and their interrelationships
2. To understand concepts of microbial diseases in plants & animals, their treatment in order to enhance the crop yield and quality of life and sustainable world.
3. To apply the knowledge and understanding of the three subject disciplines in getting employment opportunities such as Quality control Analyst, Quality assurance chemist in microbiological Laboratories.
4. Be proficient on cloning vectors and rDNA technology and make use of the skills in the production of new drugs, food products, Vaccines, Genetically engineered products and Beverages etc.,
5. To pursue higher education and research in multidisciplinary areas like Food, Microbiology, Food Technology etc.,
6. Develop ideas on entrepreneurship in the areas of applied Microbiology like Agriculture & Environmental microbiology, Food & Industrial microbiology sector.

PSO's of MPC

1. Enable to acquire strong foundation in Algebra, Real Analysis, Calculas and LinearAlgebra.
2. Develop logical, analytical , critical thinking skills by solving maths problems whichassists to solve real life problems in related areas.
3. Develop the knowledge and skills in the areas of Mechanics,Thermal Physics, Optics,Electromagnetism, Quantum Physics, Solid state Physics for pursuing higher education and research.
4. Knowledge in energy and matter enables fabrication of new devices.
5. Attain sound knowledge and skill in Inorganic chemistry, Physical Chemistry, which leading to develop new technologies including catalysis, new advanced materials andenergy storage devices like lithium batteries etc.It leads better quality of life and sustainable world.
6. Develop knowledge on organic reactions and their mechanisms which in turn playsmajor role in the synthesis and development of new Chiral drugs/drugs which impact our quality of lives by addressing global society issue health.
7. Achieve the ability to analyse qualitatively, to estimate quantitatively, to synthesize,separate, and characterize compounds using experimental and instrumentation techniques.
8. Pursue higher studies and research in interdisciplinary areas.

PSO's of CBZ

1. To develop skills in both theory and practical in Botany, Zoology and Chemistry.
2. To appreciate interdisciplinary aspects in Botany, Zoology and Chemistry.
3. To facilitate the students to pursue higher studies in interdisciplinary areas such asBiochemistry, Bioinorganic Chemistry, Bioinformatics etc.,
4. To facilitate employment as lab analyst in Biological Laboratories.

5. To acquire knowledge and understanding in various instrumentation techniques such as Chromatography, PCR, HPLC which are applicable to all subject disciplines.
6. Attain sound knowledge and skill in Inorganic chemistry, Physical Chemistry, which leading to develop new technologies including catalysis, new advanced materials and energy storage devices like lithium batteries etc. It leads better quality of life and sustainable world.
7. Develop knowledge on organic reactions and their mechanisms which in turn plays major role in the synthesis and development of new Chiral drugs/drugs which impact our quality of lives by addressing global society issue health.
8. Achieve the ability to analyse qualitatively, to estimate quantitatively, to synthesize, separate, and characterize compounds using experimental and instrumentation techniques.
9. Pursue higher studies and research in interdisciplinary areas.

PSO's of CZAqt

1. To develop theoretical and practical skills in Zoology, Chemistry and Aquaculture.
2. To understand the interdisciplinary areas in Chemistry, Zoology and Chemistry.
3. To provide opportunity in pursuing higher studies in all disciplines of life sciences and Chemistry.
4. To create Entrepreneurship / Self-employment opportunities in Aquaculture areas.
5. To apply various laboratory techniques learnt in Chemistry in Aquaculture laboratories in areas such as Quality assurance, Quality Control and diagnostics.
6. Attain sound knowledge and skill in Inorganic chemistry, Physical Chemistry, which leading to develop new technologies including catalysis, new advanced materials and energy storage devices like lithium batteries etc. It leads better quality of life and sustainable world.

7. Develop knowledge on organic reactions and their mechanisms which in turn plays major role in the synthesis and development of new Chiral drugs/drugs which impact our quality of lives by addressing global society issue health.
8. Achieve the ability to analyse qualitatively, to estimate quantitatively, to synthesize, separate, and characterize compounds using experimental and instrumentation techniques.
9. Pursue higher studies and research in interdisciplinary areas.

PSO's of CBMB

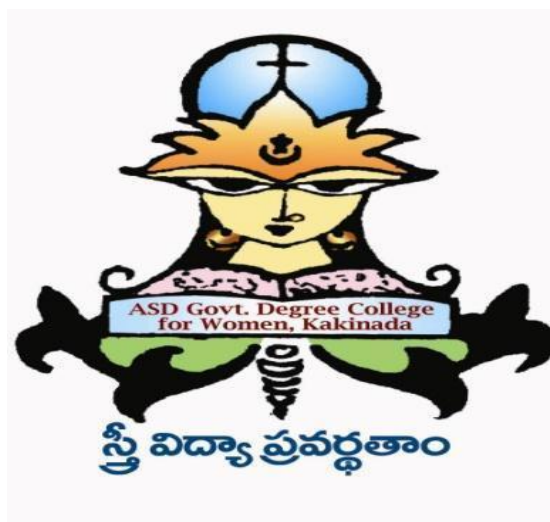
1. To acquire knowledge in chemistry, Botany and Microbiology and the inter relationships.
2. To understand various microbial diseases of plants and their treatment in order to enhance the crop yield.
3. To apply the knowledge and understanding of the three subject disciplines in getting employment opportunities such as Quality control Analyst, Quality assurance chemist in microbiological Laboratories.
4. To make use of the skills in the production of food products, Vaccines and Beverages etc.,
5. To pursue higher education in multidisciplinary areas like Food, Microbiology, Food Technology etc.,
6. Attain sound knowledge and skill in Inorganic chemistry, Physical Chemistry, which leading to develop new technologies including catalysis, new advanced materials and energy storage devices like lithium batteries etc. It leads better quality of life and sustainable world.
7. Develop knowledge on organic reactions and their mechanisms which in turn plays major role in the synthesis and development of new Chiral drugs/drugs which impact our quality of lives by addressing global society issue health.

8. Achieve the ability to analyse qualitatively, to estimate quantitatively, to synthesize, separate, and characterize compounds using experimental and instrumentation techniques.
9. Pursue higher studies and research in interdisciplinary areas.

PSO's of CBHT

1. To learn the chemical composition of Organic and Inorganic manures and pesticides and their application to crops
2. To promote Organic Farming to reduce environmental pollution and to sustain the quality of environment.
3. To motivate the students towards entrepreneurship and self-employment in Landscaping, Nurseries, Green House Management, Grafting Techniques etc.,
4. To pursue higher education in Horticulture, Chemistry, Botany and other interdisciplinary areas.
5. Attain sound knowledge and skill in Inorganic chemistry, Physical Chemistry, which leading to develop new technologies including catalysis, new advanced materials and energy storage devices like lithium batteries etc. It leads better quality of life and sustainable world.
6. Develop knowledge on organic reactions and their mechanisms which in turn plays major role in the synthesis and development of new Chiral drugs/drugs which impact our quality of lives by addressing global society issue health.
7. Achieve the ability to analyse qualitatively, to estimate quantitatively, to synthesize, separate, and characterize compounds using experimental and instrumentation techniques.
8. Pursue higher studies and research in interdisciplinary areas

**A.S.D. Government Degree College for Women (Autonomous)
Kakinada**



DEPARTMENT OF MATHEMATICS

2024-25

PROGRAMME SPECIFIC OUTCOMES

Programme Specific Outcomes of Mathematics Stream Courses

PROGRAMME	Program Specific Outcomes
MPC	PSO 1: To understand nature, scope, basic concepts and terminology of Mathematics, Physics and Chemistry
	PSO 2: To identify and understand the theoretical concepts of physical and chemical properties of materials and the role of mathematics in dealing with them in a quantitative way.
	PSO 3: To learn problem solving techniques related to Mathematics, Physics and Chemistry
	PSO 4: To gain insights procedures of safe handling of Chemicals and Equipments.
	PSO 5: To carry out hands on experiments and to analyze results.
MPCs	PSO 1: To understand nature, scope, basic concepts and terminology of Mathematics, Physics and Computer Science.
	PSO 2: To identify and understand the concepts of Mathematics, Physics and Computer Science and then relate them in numerical programming of physical system models.
	PSO 3: To learn problem solving techniques related to Mathematics, Physics and Computer Science.
	PSO 4: To gain skills required to develop programming techniques and implementation of numerical algorithms by using various programming languages.
MSCs	PSO 1: To understand nature, scope, basic concepts and terminology of Mathematics, Statistics and Computer Science.
	PSO 2: To identify and analyse the concepts of mathematics, statistics and computers science and then to find their applications in different areas like physical sciences, life sciences, various industries, etc.
	PSO 3: To solve various real life problems by developing mathematical model and applying various statistical tools with the help of computer programming knowledge.
	PSO 4: To develop thinking about research to solve critical problems.



**ANNAVARAM SATHYAVATHI DEVI GOVERNMENT DEGREE COLLEGE
FOR WOMEN**

(An Autonomous Institute accredited with NAC C with "B" Grade in Cycle III)
Church Square Park, Jagannaickpur, Kakinada, Andhra Pradesh

Department of physics

PSO's of MPC-AY 2024-2025

1. Enable to acquire strong foundation in Algebra, Real Analysis, Calculus and Linear Algebra.
2. Develop logical, analytical, critical thinking skills by solving maths problems which assists to solve real life problems in related areas.
3. Develop the knowledge and skills in the areas of Mechanics, Thermal Physics, Optics, Electromagnetism, Quantum Physics, Solid state Physics for pursuing higher education and research.
4. Knowledge in energy and matter enables fabrication of new devices.
5. Attain sound knowledge and skill in Inorganic chemistry, Physical Chemistry, which leading to develop new technologies including catalysis, new advanced materials and energy storage devices like lithium batteries etc. It leads better quality of life and sustainable world.
6. Develop knowledge on organic reactions and their mechanisms which in turn plays major role in the synthesis and development of new Chiral drugs/drugs which impact our quality of lives by addressing global society issue health.
7. Achieve the ability to analyse qualitatively, to estimate quantitatively, to synthesize, separate, and characterize compounds using experimental and instrumentation techniques.
8. Pursue higher studies and research in interdisciplinary areas.



**ANNAVARAM SATHYAVATHI DEVI GOVERNMENT DEGREE COLLEGE
FOR WOMEN**

(An Autonomous Institute accredited with NACC with "B" Grade in Cycle III)
Church Square Park, Jagannaickpur, Kakinada, Andhra Pradesh

Department of physics

PSO's of MPCs-AY 2024-2025

PSO1. To understand the importance of Mathematics in learning Physics and Computer Science and vice – versa.

PSO2 To understand the inter – relationship between mathematics and computer science with regard to algorithms, computations and excel calculations, data presentation and data analysis.

PSO3 To understand the inter – relationship between Physics and Computer Science in the design and architecture of computers.

PSO4 To apply the knowledge of Mathematics and Computer Science in solving problems in real life situations.

PSO5 To create employment opportunities in interdisciplinary areas such as data analyst, statistician, computer – assisted instrument operator etc.



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FOR WOMEN**

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Department of physics

PSO's of PHYSICS -Major-AY 2024-2025

A student completing this program will be able to:

PSO1: Graduates will acquire a comprehensive knowledge and sound understanding of fundamentals of Physics.

PSO2: Graduates will develop practical, analytical and mathematical skills in Physics. Which enabling them to take measurements in a physics laboratory and analyze the measurements to draw valid conclusions.

PSO3 Illustrate the principles of mechanics and properties of matter, electricity, magnetism, thermodynamics, optics, spectroscopy, and can Design, construct and analyze basic electronic and digital circuits. be able to apply this knowledge to analyze a variety of physical phenomena.

PSO4 Through experimental skills and independent work culture through a series of experiments that compliment theories and projects, they develop the capability of oral and written scientific communication and will prove that they can think critically..

PSO5: Graduates will acquire necessary skills to enable them to crack competitive examination for career progression or seeking employment. will be capable of oral and written scientific communication and will prove that they can think critically and work independently.

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN(A)
KAKINADA
DEPARTMENT OF COMPUTER SCIENCE
B.Sc.(Computer Science)
2024-2025

PROGRAMME SPECIFIC OUTCOMES

PSO1: To understand the principles and working of computer systems and be able to apply computational knowledge and project development skills to provide innovative solutions.

PSO2: To design and develop computer programs and understand the structure and development methodologies of software systems.

PSO3: To apply their skills in the field of algorithms, web design, and data analytics.

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Signature of the HOD
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Department of Home Science

Program Specific Outcomes

Towards the end of the program, students will be able to:

- Promote knowledge in Nutrition and Food Science ,develop leadership and critical thinking skills necessary for achievement of excellence in the profession of Food & Nutrition
- Demonstrate how the ecological and systems theory framework explains variations in individual and family development across the life span
- Strengthen knowledge on concepts related to the Textiles and Fashion, social and psychological aspects of textiles and apparel
- Develop knowledge on family dynamics, identify a variety of resources available to the families, describe the bidirectional relationship between resources and family functioning , effect of social institutions on family resources and resource management
- Gain knowledge in the areas of Extension and the transfer of knowledge to the target group

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF HISTORY

2024-25

PROGRAMME SPECIFIC OUTCOMES OF B.A STREAM COURSES (HEP)

Progr amme	PROGRAMME SPECIFIC OUTCOMES (HEP)
BA (HEP)	PSO 1: To provide Students the knowledge to understand, and Analyse various social issues and to formulate well organized discussions and arguments that state assumptions and hypothesis supported by evidence.
	PSO 2: To develop Critical Thinking skills among students so as to make them as good social scientists.
	PSO3: To promote values such as sustainable development, Optimum utilization of resources, patriotism, respecting the ideals of freedom struggle and responsible citizenship, political participation and socialization.
	PSO4: To provide life skills required for gainful employment by using domain knowledge such as Economic Service, Historians/ History writing and bureaucrats at various levels.
	PSO5: Enable students to acquire Skill needed to be dutiful and responsible citizen

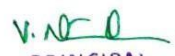
HISTORY (Honours)

Program Specific outcomes (PSOs)

1. Historical Knowledge and understanding
2. Critical Thinking& Analysis
3. Research and Methodology
4. Heritage& Cultural Awareness
5. Application of Historical Knowledge



Signature of Head of the Department


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Signature of the Principal

**ASD GOVERNMENT DEGREE COLLEGE FOR WOMEN
(AUTONOMOUS), KAKINADA**

DEPARTMENT OF ECONOMICS

B.A Single Major Economics (Honors)

Program Specific Outcomes

2025-2026

PSO1. Learn basic concepts, principles and theories in economics

PSO2. Analyze issues in current economy at different levels

PSO3. Acquire employability and research skills in the field of economics

PSO4. To equip with the knowledge of Indian economy and policy framework

PSO5. To create awareness of global economic trends



Signature of Head of the Department.


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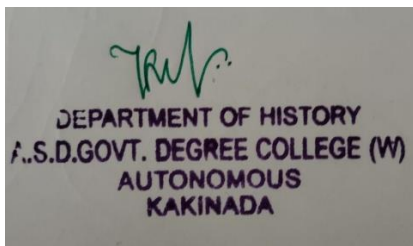
Signature of the Principal

**A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A),
KAKINADA**

DEPARTMENT OF POLITICAL SCIENCE

PROGRAMME SPECIFIC OUTCOMES: 2024 - 25

1. Understanding Political System
2. Policy Analysis and Evaluation
3. International Relations and Global Politics
4. Ethical and Civic Responsibility
5. Political Participation and Advocacy



**A.S.D GOVERNMENT DEGREE COLLEGE FOR WOMEN (A),
KAKINADA
DEPARTMENT OF COMMERCE**

2024-25

Programme Specific Outcomes B.Com General (Honors)

PSO 1: Students will learn the relevant financial accounting and managerial accounting skills required for a career in business, applying both quantitative and qualitative knowledge and Students will gain systematic and subject skill in various disciplines of commerce, including business accounting, economics, finance, and auditing.

PSO 2: Students will acquire the skills of effective communication, decision-making, and problem-solving in day-to-day business affairs.

PSO 3: Students will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA, and other courses.

PSO 4: Students will involve in various co-activities to demonstrate the relevancy of foundational and theoretical knowledge of their academic major and to gain practical exposure

PSO 5: Students can also acquire practical skills to work as tax consultants, audit assistants, and other financial supporting services and Students will be able to do higher education and advance in the field of commerce and finance.

Programme Specific Outcomes B.Com (Computer Applications) Honours

PSO 1: Apply principles of commerce integrated with computer applications to solve business problems. Utilize software tools to enhance business processes and decision-making.

PSO 2: Demonstrate proficiency in programming languages, database management, and software development relevant to commercial applications and Utilize databases and spreadsheets for business data analysis and decision support.

PSO 3: Understand and apply the concepts of e-commerce, digital marketing, and online business strategies and Implement and manage Enterprise Resource Planning (ERP) systems in business environments.

PSO 4: Students will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA, and other courses.

PSO 5: Students can also acquire practical skills to work as tax consultants, audit assistants, and other financial supporting services and Students will be able to do higher education and advance in the field of commerce and finance.

Programme Specific outcomes for B.Com (Banking, Insurance s Financial Services)

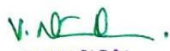
PSO-1: To have basic institutional and practical knowledge including up to date information in the field of Banking C Insurance and Financial sectors C get adequate exposure to operational environment in the field of banking, insurance and other related financial services.

PSO-2: obtain priority in getting employed in leading banking and insurance sector and inculcate ethical values, team work, leadership and managerial skills.

PSO-3: acquire knowledge and practical skills in different areas of communication, decision making, innovations and problem solving in day to day business activities to work as Financial analyst, consultant, audit assistant and other financial supporting services.

PSO-4: trained with acquiring entrepreneurship skills and competencies for handling various financial activities associated with banking, insurance and other allied sectors.

PSO-75 Prepare for advanced studies and professional certifications in banking, insurance, and financial services to enhance career prospects.


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A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN(A)
KAKINADA
DEPARTMENT OF COMPUTER SCIENCE
B.Com.(Computer Applications)
2024-2025

PROGRAMME SPECIFIC OUTCOMES

PSO 1: Apply principles of commerce integrated with computer applications to solve business problems.

Utilize software tools to enhance business processes and decision-making.

PSO 2: Demonstrate proficiency in programming languages, database management, and software development relevant to commercial applications and

PSO 3: Utilize databases and spreadsheets for business data analysis and decision support.

PSO 4: Understand and apply the concepts of e-commerce, digital marketing, and online business strategies and implement and manage Enterprise Resource Planning (ERP) systems in business environments.

PSO 5: Understand and adhere to legal and ethical standards in the use of information technology in business.

PSO 6: Students will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA, and other courses.

PSO 7: Students can also acquire practical skills to work as tax consultants, audit assistants, and other financial supporting services and Students will be able to do higher education and advance in the field of commerce and finance.

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