



AUXILIUM COLLEGE (Autonomous)

(Accredited by NAAC with A+ Grade with a CGPA of 3.55 out of 4 in the 3rd cycle)
Gandhi Nagar, Vellore – 6.

UG PROGRAMME SPECIFIC OUTCOMES (DEPARTMENT LEVEL)

After completion of **B.A. Programme in ENGLISH**, students will be able to

- PSO1** - Remember the principles of Literature in general and English Literature in particular and understand its typological, critical, socio cultural aspects.
- PSO2** - Attain fluency, accuracy and a good command in the four skills (listening, speaking, reading and writing) of English Language.
- PSO3** - Apply the knowledge of form, structure, history and contextual cultural diversity and comprehend the applications of the English Language in practice.
- PSO4** - Appreciate life, think critically, and develop positive, interpersonal relationship with fellow humans.
- PSO5** - Discern avenues for higher learning, career options, and venture entrepreneurship.
- PSO6** - Formulate research questions and identify relevant approaches and sources to find answers/solutions for questions/problems related to Language, Communication, Art and Culture.

After Completion of the **B.A Programme in HISTORY**, the student will be able to

- PSO1**- Compare the events of History and apply its ideas, and principles to today's diverse culture and situations
- PSO2**- Widen their knowledge of History, Administration, Art, Architecture, political system, Religion, and culture and enhance their critical and creative skills to pursue career options to engage as educators and researchers in historical sites and Museums
- PSO3**- Develop a critical approach to the study of History and effectively communicate the values and ideas of the leaders to the Society and become the Agents of social change.
- PSO4**- Acquire the social values that indwell in History to become the leaders of politics and commit to work for social justice, peace, and sustainable development
- PSO5**- Prepare for various types of Competitive Examinations and acquire human values like equality, freedom, and Social Justice and contribute towards the needs of the society
- PSO6**- Develop an understanding of the past life of the people, their culture, their religion, and the social system to transform into responsible and honest citizens

After Completion of the **B.B.A Programme**, the student will be able to

- PSO1**- To attain knowledge and understand the managerial principles and concepts of the course adopted. To formulate, to apply the theoretical knowledge into practice by carrying the institutional training and projects, to adopted sense of creative thinking and learn problem solving skills to take up challenges faced in today's modern world.
- PSO2**- To communicate the general ideas, opportunities and opinions and to become empowered and motivated citizens of the country. To be stimulated towards the change and to be conscious for sustainable development of the society.
- PSO3**- To adapt towards the positive thinking capacity, to adapt the social values, to exercise leadership qualities and bringing out their capabilities through team work.
- PSO4**- To pursue higher knowledge, acquire quality professional education, and to develop entrepreneurial skills and contribute towards the needs of the society.

PSO5– Prepare the students to be persistent enough to pull out their own ideas and opinions and to become a strong pillar to the family and society highlighting their feminine power. Mould the students to face the challenges in the global business environment and the society.

PSO6– To bring up the economically challenged, socially backward young women to be competent with today’s expectation of the competitive world for their sustenance. To be passionate about multi-disciplinary approach for problem solving, critical analysis and decision making in their personal and professional life.

After Completion of the **B.C.A Programme, the student will be able to**

PSO1- Equip the students with requisite knowledge, skills and right attitude necessary to provide effective software development skills in a global environment and also focus on preparing students for roles pertaining to computer applications and IT industry.

PSO2- Acquire skills in computer and information technology and also be competent in the field of Commerce, Mathematics and Management.

PSO3- Introduce and update knowledge relevant to IT like networking, computer graphics, web development, trouble shooting, and hardware and software skills. Also to develop software solutions to problems across a broad range of application domains through analysis and design.

PSO4- Become proficient and ensure job in the key areas of computer science like Web designing and development, Mobile applications, Network and communication technologies, undertaking government organizations, faculty for computer science and applications in educating institutions.

PSO5- Ability to analyze social and environmental aspects with professional values, ethics and equity to transform the knowledge, skills and expertise to the community.

PSO6- Ability to work as a member or leader in diverse teams in multidisciplinary environment. And identify opportunities, entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.

After Completion of the **B.Com Programme, the student will be able to**

PSO1- SUBJECT PROFICIENCY: Succeed in obtaining employment appropriate to their interest in related fields and make a positive contribution in public practice, government, commerce and industry.

PSO2- PRACTICAL APPLICATION: Apply the practical knowledge gained over the years in the field of auditing, tax filing, share market and other finance related services

PSO3- PROFESSIONAL GROWTH: Develop in their professional career through lifelong learning and excel as the fellow associates in the field of company secretaryship, chartered accountancy and business administration.

PSO4- MANAGEMENT SKILLS: Exercise leadership qualities and moral values through ethical ways with the concern for the society and the environment with team spirit to adapt to change throughout their professional career.

PSO5- ADDRESSING THE NEEDS OF THE NATION: Cater to the needs of the industry/society so as to contribute for the development of the nation.

PSO6- HIGHER KNOWLEDGE: Pursue higher knowledge, qualify professionally, enhance entrepreneurial skills and contribute towards the needs of the society.

After Completion of the **B.Sc. BIOCHEMISTRY Programme, the student will be able to**

PSO1- Acquire knowledge about the principles and theories related to Biochemistry

PSO2- Attain skills to tackle issues and apply knowledge to find solutions for the problem

- PSO3-** Bring economically challenged, socially backward young women to be competent with today's modern world for their sustenance
- PSO4-** Create an awareness of resources and enhance eco - consciousness for sustainable development of society
- PSO5-** Function effectively as a member or leader in a team and demonstrate professional ethics, Community living and Nation building initiatives
- PSO6-** Build a critical thinking skill and use them to update scientific knowledge throughout life.

After Completion of the **B.Sc. CHEMISTRY Programme, the student will be able to**

- PSO1-** Demonstrate a firm foundation in fundamentals and gain an in depth knowledge in different fields of Chemistry such as Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry, Pharmaceutical Chemistry, Food Chemistry and Small Scale Chemistry.
- PSO2-** Apply laboratory skills, carry out experiments, record observations and inferences and analyze the results and follow the correct procedures and regulations for safe handling and usage of chemicals.
- PSO3-** Communicate effectively chemistry specific information, ideas and opinions and be able to comprehend and write reports effectively.
- PSO4-** Develop an interest in pursuing higher studies in Chemistry and related subjects which are relevant to employment and entrepreneurship.
- PSO5-** Demonstrate the knowledge of professional and ethical practices.
- PSO6-** Integrate the knowledge and skills developed in multidisciplinary environments and function effectively as an individual or a leader and contribute towards the needs of the society.

After Completion of the **B.Sc. COMPUTER SCIENCE Programme, the student will be able to**

- PSO1-** Ability to attain knowledge and understand the mathematical and logical concepts, algorithmic principles and computer fundamentals.
- PSO2-** Understand the basic concepts of system software, hardware and evolution of computer graphics.
- PSO3-** Demonstrate the knowledge on appropriate theory, practices and tools for the specification, design and implementation.
- PSO4-** Utilize the practical skill to examine, plan and engineer the applications of technology using computing tools and techniques.
- PSO5-** Apply the recent technology in multidisciplinary domains and evaluate the methods to implement it, to create high level design and implement robust software applications using latest technological skills.
- PSO6-** Be ethically and professionally responsible with the ability to relate IT applications to broader social context for the growth of the nation.

After Completion of the **B.Sc. MATHEMATICS Programme, the student will be able to**

- PSO1- Disciplinary knowledge:** Capability to demonstrate comprehensive knowledge of Mathematics and understand one or more disciplines which form a part of an undergraduate programme of study.
- PSO2- Communication skills:**
- i. Ability to communicate various concepts of mathematics effectively using examples and their geometrical visualizations.
 - ii. Ability to use mathematics as a precise language of communication in other branches of human knowledge and communicate long standing unsolved problems in mathematics.
 - iii. Ability to show the importance of mathematics as precursor to various scientific

developments since the beginning of the civilization.

iv. Ability to explain the development of mathematics in the civilizational context and its role as queen of all sciences.

PSO3- Critical thinking: Ability to employ critical thinking in understanding the concepts in every area of Mathematics.

PSO4- Analytical thinking: Ability to analyze the results and apply them in various problems appearing in different branches of mathematics.

PSO5- Problem solving: i. Capability to solve problems in computer graphics using concepts of linear algebra.

ii. Capability to solve various models such as growth and decay models, radioactive decay model, drug assimilation, LCR circuits and population models using techniques of differential equations.

iii. Ability to solve linear system of equations, linear programming problems and network flow problems.

iv. Ability to provide new solutions using the domain knowledge of mathematics.

PSO6- Digital literacy: i. Capability to understand and apply the programming concepts of C and C++ to mathematical investigations and problem solving.

ii. Capability to understand and apply the programming concepts of R to statistical investigations and problem solving.

After Completion of the B.Sc. MICROBIOLOGY Programme, the student will be able to

PSO1: Acquire an in depth knowledge on the fundamental concepts and scope of Microbiology and its related fields.

PSO2: Realize the application oriented aspects of Microbiology and assimilate the technical skills in basic, medical and applied microbiology.

PSO3: Develop and execute oral and writing skills necessary for effective communication of discipline specific information and experimental results.

PSO4: Understand and explain the diversity of microorganisms and its interaction with the environment for sustainable development.

PSO5: Efficiently work as a team involving multiple disciplines with social and ethical values.

PSO6: Attain higher knowledge by developing competency in the field of Microbiology assuring and enhancing entrepreneurial skills for the betterment of the society.

After Completion of the B.Sc. PHYSICS Programme, the student will be able to

PSO1: Students are expected to acquire knowledge in physics, including the major premises of Properties of matter and sound, Thermal Physics, Classical and quantum mechanics, electricity and Magnetism, electronics, optics, Relativity and modern physics.

PSO2: Students are also expected to develop skills in Physics for competitive Examinations.

PSO3: Analyze physical problems and develop correct solutions using natural laws.

PSO4: Students will develop the proficiency in the skill of data using a variety of laboratory instruments.

PSO5: Students will realize and develop an understanding of the impact of physics and science on society.

PSO6: Prepare the student to successfully compete for employment and to offer a wide range of applications.

After Completion of the B.Sc. VISUAL COMMUNICATION Programme, the student will be able to

PSO1: To Acquire Fundamental knowledge of Visual communication and the related study area.

- PSO2:** To become competent enough to undertake the professional job as per the demands and requirements of the media and Entertainment Industry.
- PSO3:** To become a socially responsible citizen with a global vision.
- PSO4:** To get equipped with ICT competencies including Digital literacy.
- PSO5:** To become ethically committed media professionals and entrepreneur by adhering to human values, Indian, and the Global culture.
- PSO6:** To make women professionals in media and attain professional portfolios to become entrepreneurs to increase employability.

After Completion of the B.Sc. ZOOLOGY Programme, the student will be able to

- PSO1:** Demonstrate comprehensive knowledge on the complexity of life process, their molecular, cellular and physiological process, their genetics, evolution, behaviour and their interrelationship with the environment.
- PSO2:** Undertake further studies in Zoology or Multidisciplinary areas.
- PSO3:** Develop skills that are relevant to wage employment, self-employment and entrepreneurship.
- PSO4:** Technically sound in applying the Information technology and will be Lifelong learners in updating to the current advancements in their respective fields.
- PSO5:** Exercise leadership qualities and moral values through ethical ways with the concern for the society.
- PSO6:** Utilize the opportunities to conceptualize, nurture and accomplish the dream to be entrepreneur/leaders.

After Completion of the B.Sc. PSYCHOLOGY Programme, the student will be able to

- PSO1: Disciplinary knowledge:** i. Define major concepts in psychology and explain the theoretical perspectives of the fields in Psychology.
ii. Capability of demonstrating comprehensive knowledge of Psychology and understanding of one or more disciplines which form a part of the undergraduate programme of study.
- PSO2: Problem solving:** Ability to handle various life situations confidently and competently.
- PSO3: Self-directed learning:** Ability to work independently and do in-depth study of various concepts of Psychology.
Learn independently through self-reflection and evaluation of one's strengths and weaknesses
- PSO4: Employability Skills:** Ability to gain employment and be successful in their chosen occupation which benefits the recipients, the workforce, the community and themselves.
- PSO5: Research-related skills:** i. Capability for inquiring about appropriate questions relating to the concepts in various fields of Psychology.
ii. To know about the advances in various branches of Psychology
- PSO6: Communication skills:** i. Developing an understanding of the growing discipline of psychology and developing necessary skills to be effective in her communicative skills.

After Completion of the B.Com (BANKING AND INSURANCE) Programme, the student will be able to

- PSO1:** To understand and apply the knowledge of Accounting & finance in the domain of Commerce, Banking and Insurance.
- PSO2:** Identify, analyse and synthesize problems related to the field of Banking and Insurance.
- PSO3:** To encourage teamwork and skills for effective Collaboration towards the changing needs of the environment.

PSO4: Engaging in Lifelong Learning, apply ethical principles and excel as a socially committed individual having empathy for the needs of the society.

PSO5: Enhance Eco-consciousness for sustainable development of the society through application of green Banking and Insurance services.

PSO6: Acquire competence to efficiently handle technology and communicate in the field of Banking and Insurance Sector through internship and project.

After Completion of the **B.B.A HOSPITAL ADMINISTRATION Programme, the student will be able to**

PSO1 - Possess the basic knowledge and skills in managerial domain and healthcare domain.

PSO2 - Demonstrate managerial knowledge and analytical skills in healthcare sector through reflective learning.

PSO3 - Apply appropriate quantitative and qualitative techniques in solving business problems.

PSO4 - Contribute to the sustainable development to the society through professional and entrepreneurial skills.

PSO5 - Attain practical experience through analyzing the past and existing trends.

PSO6 - Understand the ethical implications of decision-making and recognize ethical dilemmas in managerial and healthcare domain.

Programme Specific Outcomes (PSO) **Allied Course in BOTANY, the student will be able to**

PSO1: Understand the basics of Botany

PSO2: Gain knowledge of the diversity of the Plant kingdom

PSO3: Utilize the knowledge to understand the metabolism of Plants

PSO4: Apply the knowledge to develop a sustainable environment

PSO5: Acquire skills for self-employment as Agripreneurs

PSO6: Affirm the opportunities to become an entrepreneur

S. Parvathi

Controller of Examinations

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