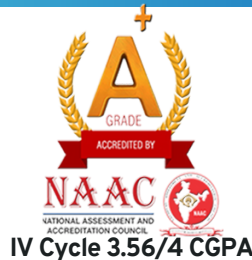


CH.S.D.ST.THERESA'S COLLEGE FOR WOMEN (AUTONOMOUS)

Affiliated to Adikavi Nannaya University, Rajamahendravaram



9001:2015
Certified



ARIIA

ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

BAND
PERFORMER



PROGRAM SPECIFIC OUTCOMES

“Thamasoma Jyothirgamaya”

COLLEGE OF EXCELLENCE | AUTONOMOUS SINCE 1987 | ISO CERTIFIED

Gavaravaram, Kattasubbarao
Thota, Sanivarapu peta road, Andhra Pradesh,
Eluru - 534003



CH.S.D.ST.THERESA'S COLLEGE FOR WOMEN

(AUTONOMOUS)

Affiliated to Adikavi Nannaya University, Rajamahendravram

Gavaravaram, Katta Subbaraothota, Sanivarapupeta Road, Eluru - 534003 A.P.

Ph: 08812 - 251210, 250380

chsdtheresa@gmail.com

Programme Specific Outcomes

B.A. – English

- **PSO 1:** Students will empower themselves with LSRW and critical thinking skills
- **PSO 2:** Students will develop sensitivity towards issues plaguing society and become catalysts for social change.
- **PSO 3:** Students can create their own works of literature in various genres
- **PSO 4:** Students will apply language skills for career growth

B.A- Economics

The curriculum for the B.A. Economics program is designed in such a way to:

- **PSO 1:** Grasp the fundamental concepts of an economy
- **PSO 2:** Analyze and cope up with contemporary issues of the world
- **PSO 3:** Come out with managerial skills
- **PSO 4:** Enhance economic well being and social justice
- **PSO 5:** Understand human behavior and act socially responsible

B.A. History

- **PSO 1:** Trace the Evolution of ideas
- **PSO 2:** Developing Historical Sense
- **PSO 3:** Developing Critical Thinking
- **PSO 4:** Leadership Skills
- **PSO 5:** Tourism Entrepreneurship
- **PSO 6:** Historical Cognizance
- **PSO 7:** Inclusiveness
- **PSO 8:** Patriotism / Nation – rebuilding
- **PSO 9:** Responsible Citizens

Programme Specific Outcomes

B.A. – English

- **PSO 1:** Students will empower themselves with LSRW and critical thinking skills
- **PSO 2:** Students will develop sensitivity towards issues plaguing society and become catalysts for social change.
- **PSO 3:** Students can create their own works of literature in various genres
- **PSO 4:** Students will apply language skills for career growth

B.A- Economics

The curriculum for the B.A. Economics program is designed in such a way to:

- **PSO 1:** Grasp the fundamental concepts of an economy
- **PSO 2:** Analyze and cope up with contemporary issues of the world
- **PSO 3:** Come out with managerial skills
- **PSO 4:** Enhance economic well being and social justice
- **PSO 5:** Understand human behavior and act socially responsible

B.A. History

- **PSO 1:** Trace the Evolution of ideas
- **PSO 2:** Developing Historical Sense
- **PSO 3:** Developing Critical Thinking
- **PSO 4:** Leadership Skills
- **PSO 5:** Tourism Entrepreneurship
- **PSO 6:** Historical Cognizance
- **PSO 7:** Inclusiveness
- **PSO 8:** Patriotism / Nation – rebuilding
- **PSO 9:** Responsible Citizens

B.A. –Social Work

- **PSO 1:** The Students will gain thorough knowledge and acquire professional skills in Social Work Methods like Social Case Work, Social Group Work, Community Organisation, Social Action and Social Work Research.
- **PSO 2:** The students will be able to appropriately apply the various social work methods in their respective field.
- **PSO 3:** The students will be able to understand the dynamics of the society and be a change agent in promoting positive changes in the society.
- **PSO 4:** The students will acquire the knowledge and skills in handling psycho social counselling in different settings
- **PSO 5:** The students will enhance their knowledge

B.Sc.Zoology

- **PSO 1:** Acquire knowledge and skill about the basics of animal sciences.
- **PSO 2:** Analyses the distribution animals and their relationship with the environment.
- **PSO 3:** Understand the internal structure of cell, its functions and metabolic functions of organisms.
- **PSO 4:** Realize the complex evolutionary processes and behavior of animals.
- **PSO 5:** Understand the physiological processes of animals and role of organ systems.
- **PSO 6:** Play integral role in environmental conservation and protection of endangered species.
- **PSO 7:** Apply the knowledge gained in sericulture, fish farming and vermicomposting preparation.
- **PSO 8:** Understands the concepts of genetics and its importance in human health.
- **PSO 9:** Apply ethical principles and commit to professional ethics.

B.Sc.Botany:

- **PSO1:** Collaborate effectively on team-oriented projects in the field of life sciences.
- **PSO2:** Communicate scientific information in a clear and concise manner both orally and in writing.
- **PSO3:** Explain Biodiversity, climate change and plant pathology.

- **PSO4:** Apply Biotechnology, Ecology, Genetics and Plant breeding techniques in plant sciences
- **PSO5:** Apply knowledge of Medicinal and Economic botany in day to day life.
- **PSO6:** Apply the knowledge to develop the sustainable and eco-friendly technology in Industrial Botany.

B.Sc.Mathematics

- **PSO 1:** To explain and appreciate Mathematical concepts and its principles.
- **PSO 2:** To demonstrate analytical skills and solve industrial problems.
- **PSO 3:** To design Mathematical Models for Real Life Situations.
- **PSO 4:** To think critically and offer Logical Solutions.
- **PSO 5:** To apply Astronomical knowledge such as Star tracking and Mapping.
- **PSO 6:** To appreciate the International Dimension of Mathematics and its Multicultural and Historical perspective.

B.Sc-Physics

- **PSO 1:** Day to day life activities and the principles behind the matter, material and their functional relationships. They will be exposed to recent developments in optics, electronics and mathematical physics
- **PSO 2:** Carry out experiments from properties of matter, mechanics, sound, optics, electronics and so on.
- **PSO 3:** Identify the essentials behind the formation of fringes and focusing.
- **PSO 4:** Compare theoretical results with experimentally obtained values
- **PSO 5:** Get motivated to give a seminar on recent developments in the broad fields of technological importance
- **PSO6:** Students are motivated to equip themselves for facing a competitive exams

B.Sc. Chemistry

- **PSO 1:**Apply the knowledge of theoretical and experimental aspects of chemistry to appreciate and apply in the fields such as energy, environment, materials, medicines, etc.,
- **PSO 2:**Solve problems in different branches of chemistry and acquire analytical skills with the concern for societal and environmental impacts.

- **PSO 3:** Apply the knowledge of chemistry to transform effectively as a committed chemist or administrator in multidisciplinary environments.
- **PSO 4:** Analyze, interpret and effectively apply the basic principles, definitions and mechanisms in the field of chemistry.
- **PSO 5:** Communicate effectively and share expertise in the field of chemistry for the development of society.

B.Sc - Nutrition & Dietetics

- **PSO1:** Develop knowledge on foods and its reactions useful in saving the nutrients.
- **PSO2:** They become good human beings to take care of elderly and other family members.
- **PSO3:** Completion of this course will be able to understand the concepts of Nutrition and will counsel the patients and People in various stages of life regarding importance of diet
- **PSO4:** Internship in hospital make them to be confident and strong in facing the real time situations.
- **PSO5:** The experience of practical's in various fields like Food Service Institutions and visits to Food Industries will equip them with knowledge on quality concepts of food production, and create lively hood for themselves and others.
- **PSO6:** Able to create a change in their own world and the society at large to make people develop right choice of eating foods.

BSc – Bio-Chemistry

- **PSO-1:** Provide students with learning experiences that help instill deep interests in learning biochemistry; develop broad and balanced knowledge and understanding of bimolecular, key biochemical concepts, principles and theories related to biochemistry; and equip students with appropriate tools of analysis and with theoretical, technical and analytical skills to tackle issues and problems in the field of biochemistry.
- **PSO-2:** Expose the students to a wide range of careers that combine biology, plants and medicine.
- **PSO-3:** Provide students with some work experience, for example a summer internship or a research project in a research laboratory to further boost the career prospects.
- **PSO-4:** Develop in students the ability to apply the knowledge and skills they have

acquired to the solution of specific theoretical and applied problems in biochemistry,

- **PSO-5:** Provide students with the knowledge and skill base that would enable them to undertake further studies in biochemistry and related areas or in multidisciplinary areas that involve biochemistry and help develop a range of generic skills that are relevant to wage employment, self-employment and entrepreneurship. While it is easy to set up a PCR reaction or even make a knock out mouse effectively since these are highly skill-based events, it is difficult to understand metabolism, gene regulation.

B.Sc - Food science and Nutrition

- **PSO 1:** To handle responsibilities in the areas of processing, packaging, quality control, research and development in food chemistry and food processing.
- **PSO 2:** To qualitatively and quantitatively evaluate the food components, food quality and food specifications using conventional laboratory skills and industry specific modern instruments.
- **PSO 3:** To integrate fundamental areas of Chemistry, Food Science, Nutrition, Biochemistry, Microbiology, Biotechnology, Nutraceuticals and sustainable food management systems in food production and manufacturing practices.
- **PSO 4:** To implement surveillance and monitoring techniques in food safety by using food laws and regulations.
- **PSO 5:** To develop technical and managerial skills to become an entrepreneur in food sectors and to create start-up ventures.

B.Sc. Computer Science

- **PSO 1:** Apply the acquired knowledge to identify the problem, analyze, design and develop the system as the solution to the problem.
- **PSO 2:** Inculcate skills to excel in Technology and its service used in Government and Private Sectors, Teaching and Research.
- **PSO 3:** To employ the new framework developments in their career or to be a successful entrepreneur or for higher studies.
- **PSO 4:** Update knowledge through innovation and the technology of recent trends
- **PSO 5:** Leads to the life with social concern and positive attitude.

B. Sc Statistics

- **PSO 1:** Form tables and frequency distribution for a given data set and analyze them using different formulas and diagrams
- **PSO 2:** Apply mathematical tools to the theory of statistics
- **PSO 3:** Evaluate probabilities for real-life situations and analyze discrete and continuous probability distributions and their applications.
- **PSO 4:** Calculate Index numbers to measure the state of the economy and analyze time-series data for business forecasting and planning.
- **PSO 5:** Analyze data using Excel, SPSS and R packages
- **PSO 6:** Organize a sample survey and estimate the characteristics of the population
- **PSO 7:** Construct a hypothesis and test it using parametric and non-parametric tools
- **PSO 8:** Choose the best estimator for an unknown parameter of a given distribution and give a point and interval estimates
- **PSO 9:** Design appropriate experiments for collecting relevant data in the fields of medical research, industrial quality control, agricultural studies, etc. and analyze the same. Construct regression models representing the relationship between a dependent variable and several independent variables.
- **PSO 10 :** Compute different measures for analyzing data in the fields of Bio-statistics, survival analysis and life insurance.
- **PSO 11:** Take up a career as a statistician in the government sector, quality control analyst in the manufacturing industry, a data analyst in firms dealing with business data analytics, etc.

B.Sc. Visual Communication

- **PSO 1:** To write scripts for screen; to write copy for advertisements, content for technical and digital platforms; to write for news and non-fiction platforms
- **PSO 2:** To shoot, edit photographs for commercial and news platforms.
- **PSO 3:** To visualize space, colour and other design elements in order to make sets, commercial artwork, advertising creatives and independent art.
- **PSO 4:** To illustrate, cartoon, and create caricatures for advertising, print publications and graphic novels.

- **PSO 5:** To coordinate and oversee programmes and events for television channels & production houses
- **PSO 6:** To produce and direct films in specialized capacities as editors, cinematographers, directors, and technical producers for fiction & non-fiction genres.

B.Com – Commerce

- **PSO 1:** Gain a strong foundation in different areas of Commerce.
- **PSO 2:** Obtain the skill of applying the knowledge in various spheres of Commerce.
- **PSO 3:** Develop an attitude for working effectively and efficiently in a business environment.
- **PSO 4:** Identify business opportunities and become an entrepreneur.

BBA

- **PSO 1:** To better understand the complex nature of business and its environment.
- **PSO 2:** To enable new thinking and to execute new ideas in the dynamic nature of business.
- **PSO 3:** Demonstrate the fundamentals in creating & managing innovation, new business development, and high-growth potential entities.
- **PSO 4:** Execute technical competence in domestic and global business through the study of major disciplines within the field of business.

M.A. Economics

The curriculum for the M.A. Economics program is designed in such a way to:

- **PSO 1:** Grasp application of fundamental concepts of an economics
- **PSO 2:** Analyze contemporary issues of the world
- **PSO 3:** Do research and suggest measures to practical problems of the society
- **PSO 4:** Enhance economic well being and social justice
- **PSO 5:** Contribute to society by creating a conducive environment for humanity

M.A-English

- **PSO 1:** Students will be able to critically appreciate and perspectives world literature across cultures and genders
- **PSO 2:** Students will enhance themselves with English teaching skills in both language and literature
- **PSO 3:** Students will receive hands-on experience in applied research methodology on a specific research problem in English
- **PSO 4:** Students will become catalysts for social change as they receive heightened awareness on pertinent issues like the environment, gender, discourse and the literature of the so-called marginalized.

M. Sc. Mathematics

- **PSO 1:** Enhance the ability of interpreting, analyzing and synchronizing mathematical concepts
- **PSO 2:** Acquire mathematical knowledge to solve problems, formulate algorithms and create mathematical models in real life
- **PSO 3:** Demonstrate the nature of mathematical reference to pure and applied
- **PSO 4:** Develop abstract mathematical thinking
- **PSO 5:** Intricate self-learning and stimulate the ideas of higher research ideas

M.Sc-Physics

- **PSO 1:** Analyze physical systems based on the principles of classical mechanics, quantum mechanics, statistical mechanics, electrodynamics, mathematical physics, electronics and microprocessors and microcontrollers.
- **PSO 2:** Carry out experiments in general physics, material science, nanoscience, nuclear physics and electronics.
- **PSO 3 :** Troubleshoot and solve issues that arise during the laboratory program.
- **PSO 4 :** Interpret the results of the experiments.
- **PSO 5 :** Perform self-study and give a seminar on science topics outside the syllabus.
- **PSO 6 :** Solve numerical problems to take competitive examinations.
- **PSO 7 :** Carry out research article survey, choose a research topic, plan, execute and report research projects.by hands on experience in conducting social research

M.Sc. Chemistry

- **PSO 1:**Apply the knowledge of chemistry to recognize experiment and expand from the fundamental level to applications in the field of research, industry, academics and medicine.
- **PSO 2:**Analyze the complex problems with advanced techniques and gain skills to apply it for industrial, medical, safety and academic developments.
- **PSO 3:**Appreciate and apply the skills developed in chemistry to develop as a trained chemist or an entrepreneur to apply it to make an impact on the society.
- **PSO 4:**Classify, interpret and effectively apply the fundamental principles and mechanisms involved in theoretical and experimental chemistry.
- **PSO 5:**Precisely correspond and share views on conceptual and applied chemistry for the improvement of academicians, professionals and the society on the whole.



PRINCIPAL
CH.S.O.ST. THERESA'S COLLEGE FOR WOMEN
ELURU-534003, ELURU DIST., A.P.