

**EDAYATHANGUDY G.S. PILLAY ARTS AND SCIENCE COLLEGE,
NAGAPATTNAM**

DEPARTMENT OF MATHEMATICS

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of Mathematics programme, the students will be able to:

PSO-1: Recognize and appreciate the connections between theory and applications

PSO-2: Investigate and solve unfamiliar math problems using analytical, numerical and computational methods

PSO-3: Identify problems, correlate and apply existing mathematical tools, figure out the approaches to arrive at solutions

PSO-4: Develop analytical and integrative problem-solving approaches

PSO-5: Communicate mathematics accurately, precisely and effectively

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DEPARTMENT OF COMMERCE

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of Commerce programme, the students will be able to:

PSO-1: Analyse the theoretical knowledge, Accounting knowledge and all legal aspects in different areas of commerce.

PSO-2: Find solutions to the problems related with commercial activities of organization in various business environments.

PSO-3: Measure social, political and environmental problems with the practical knowledge of business practices.

DEPARTMENT OF ENGLISH

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of English programme, the students will be able to:

PSO1: Enhance English language through Listening, Speaking, Reading and Writing skills

PSO2: Read and analyze the literary text in relation with historical, cultural, social and political perspectives

PSO3: Enrich their analytical thinking and appreciate literary context along with society

PSO4: Foster knowledge on literature through its theories

PSO5: Choose a topic, frame questions to valuable inquiry and draw conclusion in Research progress.

DEPARTMENT OF PHYSICS

PROGRAMME SPECIFIC OUTCOMES (PSOs) OF B.Sc. PHYSICS

At the end of the B.Sc. Physics programme, the students will be able to:

PSO-01: Express the historical development of Physics and explain the fundamentals and principles of a variety of realm in physics with its possibilities and limitations.

PSO-02: Identify, formulate and solve the complex problems in various realms of theoretical & experimental Physics.

PSO-03: Plan, execute and report the results of a complex extended experiment or investigation, using appropriate methods to analyze data and to evaluate the level of its uncertainty.

DEPARTMENT OF PHYSICS

PROGRAMME SPECIFIC OUTCOMES (PSOs) OF M.Sc. PHYSICS

At the end of the M.Sc. Physics programme, the students will be able to:

PSO-01: Model, analyze, and solve advanced Physics problems with mathematical and computer tools and to provide lucid summation of the scientific literature in a given topic of study.

PSO-02: Plan, execute and report the results of an extended experimental or theoretical physics with the assessment of the errors involved.

PSO-03: Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

PSO-04: Assess and evaluate research methods and results critically, renew scientific competence, carry out advanced tasks and projects, both independently and in collaboration with others, and also across disciplines.

PSO-05: Disseminate the scientific information in a clear and concise manner both in written or by orally in various circumstances.

DEPARTMENT OF CHEMISTRY

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the Chemistry programme, the students will be able to:

PSO - 1: Demonstrate the knowledge of the fundamentals and applications of chemical and scientific theories.

PSO - 2: Apply appropriate techniques for the qualitative and quantitative analysis of biomolecules in laboratories and in industries.

PSO - 3: Synthesize, separate and characterize the chemical compounds using various instrumentation techniques at laboratory.

DEPARTMENT OF BIO-CHEMISTRY

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the Bio-Chemistry programme, the students will be able to:

PSO - 1: Apply appropriate techniques for the qualitative and quantitative analysis of biomolecules in laboratories and in industries.

PSO - 2: Analyse structural and functional relationship of genes and proteins from bacteria to eukaryotes using genomic research methods.

PSO - 3: Synthesize, separate and characterize the biochemical compounds using clinical laboratory and instrumentation techniques.

DEPARTMENT OF BIO-TECHNOLOGY

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the Bio-Technology programme, the students will be able to:

PSO - 1: Demonstrate a wide knowledge in biotechnology and to engage themselves in lifelong learning.

PSO - 2: Provide an acceptable explanation for societal, safety and legal issues related to Bio-Technology.

PSO - 3: Identify, examine Bio-technology problems and can draw valid conclusions with biotechnological processes and tools.

PSO - 4: Plan, decide and apply suitable tools & techniques, execute experiments if any, obtain results, analyse the findings.

PSO - 5: Communicate the findings both in written or by orally before any audience.

DEPARTMENT OF COMPUTER SCIENCE

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the Computer Science programme, the students will be able to:

PSO1: Apply the knowledge of Computer Science to identify, analyze problems and to provide effective solution in the area of Computing.

PSO2: Develop skills to excel in the fields of Computer Science and its enabled services in various fields of Government and Private sectors.

PSO3: Employ modern computer languages and applications for their successful career, and to create platforms to become an entrepreneur.

PSO4: Instil ethical responsibilities, human and professional values and make their contribution to the society.

DEPARTMENT OF COMPUTER APPLICATIONS

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the Computer Applications programme, the students will be able to:

PSO1: Apply the knowledge of Computer Applications to identify, analyze problems and to provide effective solution in the area of Computing.

PSO2: Develop skills to excel in the fields of Computer Applications and its enabled services in various fields of Government and Private sectors.

PSO3: Employ modern computer languages and applications for their successful career, and to create platforms to become an entrepreneur.

PSO4: Instil ethical responsibilities, human and professional values and make their contribution to the society.

DEPARTMENT OF INFORMATION TECHNOLOGY

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the Information Technology programme, the students will be able to:

PSO1: Apply the knowledge of Information Technology to identify, analyze problems and to provide effective solution in the area of Computing.

PSO2: Develop skills to excel in the fields of Information Technology and its enabled services in various fields of Government and Private sectors.

PSO3: Employ modern computer languages and applications for their successful career, and to create platforms to become an entrepreneur.

PSO4: Instil ethical responsibilities, human and professional values and make their contribution to the society.

DEPARTMENT OF BUSINESS ADMINISTRATION

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the business administration programme, the students will be able to:

PSO-1: Analyse the theoretical knowledge with the practical aspects of organizational setting and techniques of management.

PSO-2: Find the solutions for the problems faced by the business sectors in the current scenario with the knowledge of the dynamic and complex working environments.

PSO-3: Determine the various PEST (Political, Economic, Social and technological) factors influencing changes in business environments.

PSO-4: Follow the international trade procedure and maintain documentation.

DEPARTMENT OF NUTRITION AND DIETETICS

PROGRAMME SPECIFIC OUTCOMES (PSOs)

At the end of the Nutrition & Dietetics programme, the students will be able to:

PSO - 1: Impart about the role of nutritive value of different foods.

PSO - 2: Implement wide knowledge about different food selection in various stages of life.

PSO - 3: Deliver nutritional strategy for the healthy community.

PSO - 4: Offer dietary counselling and nutrition education to the people.