



Mahatma Gandhi College, Iritty

Programme Specific Outcomes

Programme Specific Outcome of BSc Computer Science

Effective Citizenship:

1. Learn to participate in nation building by adhering to the principles of sovereignty of the nation, socialism, secularism, democracy and the values that guide a republic.
2. Develop and practice gender sensitive attitudes, environmental awareness, the ability to understand and resist various kinds of discriminations and empathetic social awareness about various kinds of marginalisation.
3. Internalise certain highlights of the nation's and region's history. Especially of the freedom movement, the renaissance within native societies and the project of modernisation of the postcolonial society.

Effective Communication:

1. Acquire the ability to speak, write, read and listen clearly in person and through electronic media in both English and in one Modern Indian Language
2. Learn to articulate analysis, synthesis, and evaluation of situations and themes in a well informed manner.
3. Generate hypothesis and articulate assent or dissent by employing both reason and creative thinking.

Critical Thinking:

1. Acquire the ability to apply the basic tenets of logic and science to thoughts, actions and interventions.
2. Develop the ability to chart out a progressive direction for actions and interventions by learning to recognize the presence of hegemonic ideology within certain dominant notions.
3. Develop self-critical abilities and also the ability to view positions, problems and social issues from plural perspectives.

Interdisciplinary:

1. Perceive knowledge as an organic comprehensive interrelated and integrated faculty of the human mind
2. Understand the issues of environmental contexts and sustainable development as a basic interdisciplinary concern of all disciplines.
3. Develop aesthetic, social, humanistic and artistic sensibilities for problem solving and evolving a comprehensive perspective.

Programme Specific Outcome of BSc Physics Programme

Understand and apply the principles of Classical mechanics, Quantum mechanics, Thermodynamics, Nuclear physics and Electrodynamics, Solid state physics, Optics, Photonics and Spectroscopy . Understand the principles of Electronics, design and test electronic circuits . Understand and apply the principles of Mathematical Physics and Computational Physics and do Error analysis in measurements. Develop practical skill in physics.

Programme Specific Outcome of Bachelor of Business Administration Programme

1. Gain knowledge and skills in the areas of Management principles and practices, finance, human resource management and marketing.
2. Acquire knowledge in accounting principles and practices and its application in real business settings.
3. Apply concepts, theories, tools and techniques of statistics, information techniques, economics and numerical skills for decision making
4. Build entrepreneurial spirit, develop research attitude and entrepreneurial competencies and managerial abilities.

Programme Specific Outcome of Commerce Programmes

After the successful completion of the B.Com and MCom Degree Programmes, the students shall be able to:

- 1: Understand the concepts and techniques of commerce and its application in business environment
- 2: Conceive the ideas on entrepreneurship and develop the skills for setting up and management of business organizations
- 3: Develop the skills and abilities to become competent and competitive in the business world
- 4: Develop the competency to take wise decisions at personal and professional level
- 5: Appraise the impact of other disciplines on the working of business.

Programme Specific Outcome of BSc Mathematics Programme

Understand the basic concepts and tools of Mathematical logic, Set theory, Number theory, Geometry, Calculus, Algebra, Abstract structures, Linear Algebra, Analysis, Laplace transforms, Fourier series, Graph theory, and Optimization and methods of proofs.

PSO 2: Model real world problems into Mathematical problems and find solutions and understand the application of Mathematics in other Sciences and Engineering.

Programme Specific Outcome of MSc Mathematics Programme

Understand the higher-level concepts of Number theory, Real and Complex Analysis, Functional Analysis, Graph Theory, Algebra and Differential Geometry.