



ST. GREGORIOS COLLEGE KOTTARAKARA

## PROGRAM SPECIFIC OUTCOME



# UNDERGRADUATE PROGRAMMES

## BA/BSc/BCom

<b>BA English and communicative English</b>	
PSO1	To sensitize students to the language, forms and types of poetry, fiction, prose, film and drama
PSO2	To help them read, critically analyses and appreciate poetry, fiction, prose, film and drama.
PSO3	To sensitize students to the nuances of spoken and written forms of English
PSO4	To update and expand basic informatics skills and attitudes relevant to the emerging knowledge society
PSO5	To familiarize students with the concepts of copy- editing and impart to them basic copy-editing skills.
PSO6	To familiarize them with the diverse concerns addressed by feminism.
PSO7	To introduce the students to the richness of twentieth century Malayalam writing
PSO8	To introduce students to American literature, life and culture
<b>BA Political Science</b>	
PSO1	To understand the world, country, society and have awareness of ethical problems, social rights, values and responsibility to the self and to others.
PSO2	To understand and follow changes in patterns of political behavior, ideas and structures. Develop the ability to make logical inferences about social and political issues on the basis of comparative and historical knowledge.
PSO3	To take individual and team responsibility, function effectively and respectively as an individual and a member or a leader of a team; and have the skills to work effectively in multi-disciplinary teams.
PSO4	To know how to access and evaluate data from various sources of information.
<b>B.Sc Mathematics</b>	
PSO1	They will be able to explain the core ideas and techniques of Mathematics.
PSO2	They will be able to recognize the power of abstractness and generalization.
PSO3	They will be able to carry out research with independent judgement.
PSO4	They will be able to carry out objective analysis and prediction of quantitative information
PSO5	To acquire proficiency in solving scientific problems by using theory, numerical simulations and experiments. They will be able to develop new variants of the acquired methods if required.
PSO6	To contribute to new scientific research or new applications of research.
PSO7	To select, interpret and critically evaluate information from different sources- books, scientific reports, internet, journals etc.
<b>B.Sc Physics</b>	
PSO1	To understand the concepts and significance of the various physical phenomena.
PSO2	To acquire a wide range of problem-solving skills, both analytical and computational and to apply them.
PSO3	To motivate students to higher studies and research in different areas of basic and

	applied Physics.
PSO4.	To enhance the student's academic abilities, personal qualities and transferable skills to develop as responsible citizens.
PSO5	To apply the theories learnt and the skills acquired to solve real time problems.
<b>B.Sc Chemistry</b>	
PSO1	To provide the students an in-depth understanding of basic concepts of chemical sciences and enable them with tools needed for the practice of Chemistry, which remains a discipline with much stress on experimentation.
PSO2	To provide a detailed knowledge of the terms, concepts, methods, principles and experimental techniques of Chemistry.
PSO3	To understand the basic concepts, fundamental principles, and the theories in Chemistry and their relevancies in the day-to-day life.
PSO4	To analyses the given scientific data critically and systematically and to draw the objective conclusions.
PSO5	To find out the green methods for chemical reaction for sustainable development
PSO6	To develop skills in the proper handling of apparatus and chemicals.
<b>B.Sc Zoology</b>	
PSO1	To understand the nature and basic concepts of Cell Biology, Biochemistry, Taxonomy and Ecology.
PSO2	To analyze the relationships among animals, plants and microbes.
PSO3	To perform procedures as per laboratory standards in the areas of Biochemistry, Bioinformatics, Taxonomy, Economic Zoology and Ecology.
PSO4	To understand the applications of Biological Sciences in Apiculture, Aquaculture, Agriculture and Medicine.
<b>B.Sc Botany</b>	
PSO1	To develop ability for the application of the acquired knowledge to improve agriculture and other related fields to make the country self-reliant and sufficient.
PSO2	To understand and appreciate the role of biology in societal issues, such as the environment and biological resources, biodiversity, ethics and human health and diseases.
PSO3	To enrich the students with the latest developments in the field of Information technology. Biotechnology, Bioinformatics and other related fields of research and Development.
PSO4	To create enthusiasm to understand more about the beautiful planet Earth and to give awareness to the public the need to protect the all kinds of exploitation.
PSO5	To keep the scientific temper which the student acquired from school level and to develop a research culture.
<b>BCOM</b>	
PSO1	To develop a world in which persons are aware of and concerned about environment and the problems associated with it, and committed to work individually as well as collectively towards solutions of current problems and prevention of future problems.
PSO2	To Developing the analytic and evaluating skills when it comes to making business-related decisions.
PSO3	To help students to develop the computing skills needed to prevent attacks and protect people's data and privacy
PSO4	To acquaint students with the basic concepts, terms & provisions of Mercantile and Business Laws and to develop the awareness among the students regarding these laws affecting business, trade and commerce.
PSO5	To develop the ability to identify and evaluate accounting problems and arrive at reasoned conclusions.

PSO6	To provide a clear-cut idea about the functioning of Indian Financial Market in general and Capital market operations in particular.
<b>BCOM Computer Application</b>	
PSO1	Students also acquire skills to work as tax consultant, audit assistant and other financial supporting services. Students have choices to pursue professional courses such as CA, M.COM, MBA, CMA, ICWA, CS etc.
PSO2	Awareness of basics of computers.
PSO3	Get practical experience of web designing.
PSO4	Enable students to understand project formulation, Entrepreneurship development, awareness on various Entrepreneurship Development Programme, EDP schemes, knowledge of entrepreneurial skills and to make the students understand the approaches to attain the goals of the business.
PSO5	Students are able to play roles of businessmen, entrepreneur, managers, consultant, which will help learners to possess knowledge and other soft skills and to react aptly when confronted with critical decision making.

# POSTGRADUATE PROGRAMMES

## MSc/MCom

<b>MSc Mathematics</b>	
PSO1	To explain the core ideas and techniques of Mathematics.
PSO2	To recognize the power of abstractness and generalization.
PSO3	To carry out research with independent judgement.
PSO4	To set up mathematical models of real-world problems and obtain solutions through structured and analytic approaches.
PSO6	To carry out objective analysis and prediction of quantitative information.
PSO7	To communicate effectively about the subject using ICT.
PSO8	To work independently and collaborate effectively in team work.
<b>MSc Physics</b>	
PSO1.	Provide a complete theoretical understanding of the different areas of Physics together with the applied and current fields of research.
PSO2.	Achieve a mastery, competence and analytical skills in the subject at a higher level.
PSO3.	Learn to carry out experiments in basic as well as certain advanced areas of physics.
PSO4.	View Physics as a training ground for the mind developing logical reasoning that can be applied to diverse fields.
<b>MSc Chemistry</b>	
PSO1	To strengthen the theoretical as well as the practical knowledge of the student in various research areas in Chemistry.
PSO2	To equip the students to realize the importance of interdisciplinary science subjects and to explore the possibilities to collaborate them with Chemistry.
PSO3	To identify and understand the working of various sophisticated instruments.
PSO4	Learn professionalism, including the ability to work in teams and apply basic ethical principles.
PSO5	To get a clear knowledge of computational techniques, Soft wares, tools for Molecular modelling etc.
<b>MCom</b>	
PSO1	To develop application and analytical skill of the provisions of Income Tax Law for Income Tax planning and Management.
PSO2	To provide a comprehensive understanding on the principles of security analysis and develop the skill in portfolio management.
PSO3	To gain expert knowledge of the principles and law relating to Goods and Service Tax and Customs Act.
PSO4.	To understand the risk management process and its application.

PSO5	To inculcate the knowledge of business and the techniques of managing the business with special focus on marketing, Insurance and banking theory law and practices.
PSO6	To create awareness in application-oriented research through research for business decisions
PSO7	Develop an ability to apply knowledge acquired in problem solving.
PSO8	Ability to work in teams with enhanced interpersonal skills and communication.
PSO9	The students can work in different domains like Accounting, Taxation, HRM, Banking and Administration