

# **ST. THOMAS COLLEGE PALAI**

NAAC Accredited with 'A' Grade (3rd Cycle, CGPA 3.30) in 2015

College with Potential for Excellence (CPE-UGC)

(Affiliated To Mahatma Gandhi University, Kottayam)



## **PROGRAMME SPECIFIC OUTCOMES OF UNDERGRADUATE PROGRAMMES ( 2009 - 2016 admissions)**

**ARUNAPURAM P. O., KOTTAYAM, KERALA – 686 574**

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<b>BA English Language and Literature</b>	
PSO1.	To familiarize the students with select literary works across the globe, original or in translation.
PSO2.	To inculcate in the students active interest in English Language and Literature.
PSO3.	To enable the students to speak and write good English.
PSO4.	To encourage and inspire the students into creative writing.
PSO5.	To make the students competent for different careers, home and abroad.
<b>BA Malayalam</b>	
PSO1.	Analyse the social and aesthetic aspects of Malayalam language and literature
PSO2.	To achieve proficiency in language
PSO3.	To lay foundation for research.
<b>BA Economics</b>	
PSO1.	To build a strong foundation in Economics by understanding the basic concepts, principles and theories in Economics.
PSO2.	To understand competing economic paradigms and the historical development of the discipline.
PSO3.	To analyze historical and current events from an economic perspective.
PSO4.	To develop the ability to apply the principles of Economics in everyday life.
PSO5.	To create capacity to develop solutions to various economic problems.
PSO6.	To equip the students for employment and further study in economics.
<b>B A History (Archaeology and Museology)</b>	
PSO1.	Integral development of individuals through historical scholarship
PSO2.	To inculcate sense of history and heritage in the young minds and
PSO3.	Able to offer reasonable predictions of what will happen next
PSO4.	To understand why some rules exist in the modern world
PSO5.	Understand the world, cultures, changes and world events
PSO6.	Overall awareness about our own identities, gives us insight into present day problems and solutions, builds better citizenships
PSO7.	Student should understand academic honesty, the basic skills that historians use in research, research writing and historical analysis.
PSO8.	Articulate the diversity of human experience including ethnicity, race, language, sex, gender as well as political, economic, social and cultural structures over time
PSO9.	To develop historical analysis of documents and develop an ability to think critically and historically when discussing the past.
PSO10.	Distinguish between primary and secondary sources and identify and evaluate

	evidence.
PSO11.	It enables an outlook on past economic and cultural trends.
PSO12.	Students will develop a strong foundation on the basic understanding of Archaeology.
PSO13.	Students are familiarized with basic techniques and methods in archaeological exploration and excavation.
PSO14.	Student will also understand basis of Indian Epigraphy and Numismatics.
PSO15.	On successful completion of this course students also will have better understanding of museum documentation, exhibition and conservation.
<b>BA Political Science</b>	
PSO1.	To identify key questions, fundamental concepts, and theoretical frameworks critical to an understanding of the political theory
PSO2.	To analyse the fundamental concepts, characteristics, and theories central to comparative politics and international politics
PSO3.	To solve complex problems by demonstrating a mastery of substantive knowledge in the discipline's main subfields;
PSO4.	To follow scientific and humanistic methods to design and carry out politically-oriented research projects by utilizing sufficiently advanced social research methods;
PSO5.	To communicate effectively political knowledge to general audiences as well as colleagues in the field.
<b>BA English Language and Communication Studies</b>	
PSO1.	Would formulate strategies for effective communication
PSO2.	Would analyze and describe phonological, syntactic and socio linguistic aspects of English language
PSO3.	Develop new strategies in print broad cast and web news reports
PSO4.	New avenues of Public relations are opened
PSO5.	Would develop translation skills
PSO6.	Achieve the use of English in formal and informal contexts
PSO7.	Organize and deliver relevant applications of knowledge through effective written verbal & graphical/virtual communication
<b>BSc Mathematics</b>	
PSO1.	To provide logic framework in all areas of basic mathematics
PSO2.	To attain foundation in basic mathematics
PSO3.	To learn powerful tools for tackling topics in calculus
PSO4.	To learn powerful tools for talking topics in theory of equations
PSO5.	To learn powerful tools for talking topics in geometry
PSO6.	To get an introduction to almost all areas of Mathematics

<b>BSc Physics</b>	
PSO1.	Understand basic facts and concepts in Physics while retaining the exciting aspects of Physics so as to develop interest in the study of Physics as a discipline.
PSO2.	Develop the ability to apply the principles of Physics.
PSO3.	Appreciate the achievements in Physics and to know the role of Physics in nature and in society.
PSO4.	Transfer and apply the acquired concept and principles to study different branches of Physics.
PSO5.	Develop skills in the proper handling of instruments.
PSO6.	Develop strong student competencies in Physics and its applications in a technology-rich, interactive environment.
<b>BSc Chemistry</b>	
PSO1.	To understand and demonstrate basic concepts in Chemistry while retaining the exciting aspects of chemistry so as to develop interest in the study of chemistry as a discipline.
PSO2.	To solve the problem and also think methodically, independently and draw a logical conclusion.
PSO3.	To gain the knowledge of Chemistry through theory and practical.
PSO4.	To develop skills in the proper handling of apparatus and chemicals.
PSO5.	To understand the basic concepts, fundamental principles, and the theories in Chemistry and their relevancies in the day-to-day life.
PSO6.	To understand good laboratory practices and safety
PSO7.	To analyse the given scientific data critically and systematically and to draw the objective conclusions
PSO8.	To find out the green methods for chemical reaction for sustainable development
PSO9.	To realize how developments in chemistry helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments.
PSO10.	To develop various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively.
<b>BSc Botany</b>	
PSO1.	To lay a strong foundation to the study of Botany and to develop the basic skills to study Botany in detail.
PSO2.	To impart an insight into the diversity of the living world and the need to conserve it.
PSO3.	To make the students realize the applications of different fields of Botany commercially, ecologically and industrially.
PSO4.	To enable the students to appreciate the contributions of the scientific community and to develop a deep sense of research aptitude in them.

PSO5.	To enhance the skills of students in various techniques used in Botany for the collection, preservation, propagation, breeding etc.
PSO6.	To ensure that the students are equipped with expertise to make use of the opportunities and to tackle the challenges in the field of Botany.
PSO7.	To familiarize the students to the intricate nature of the internal organization of plant cells.
PSO8.	To enable the students to develop skills to make use of techniques in plant science.
<b>BSc Zoology</b>	
PSO1.	Impart basic knowledge of various branches of Zoology and General biology meant both for a graduate terminal course and for higher studies.
PSO2.	Inculcate interest in and love of nature with its myriad living creatures
PSO3.	Understand the unity of life with the rich diversity of organisms and their ecological and evolutionary significance
PSO4.	Acquire basic skills in the observation and study of nature, biological techniques, experimental skills and scientific investigation
PSO5.	Acquire basic knowledge and skills in certain applied branches to enable them for self employment
PSO6.	Impart awareness of the conservation of the biosphere
<b>BSc Recreation, Leisure and Sports Studies.</b>	
PSO1.	Value physical activity: Be energetic, enjoy helping others in learning motor and sport skills.
PSO2.	Be willing to serve as a role model for fitness and skill development for others.
PSO3.	To advocate for the utilization of the resources needed to promote and maintain healthy behavior.
PSO4.	State, compare, manipulate, design & deduce research enquiry in recreation, Leisure & sports.
PSO5.	To identify, summarize, plan and design physical activity, exercise, yoga, teaching and coaching programme as per needs of the society.
<b>B Com (Finance and Taxation)</b>	
PSO1.	To build a strong inclination towards lifelong learning and acquiring contemporary knowledge in different areas of Commerce and Business Studies.
PSO2.	Students have a plenty of choices to pursue professional as well as Masters Programmes such as CA, M.COM, MBA, CMA, ICWA, CS, MIB, MFA etc. after completing the B. Com Programme.
PSO3.	To equip students ready for employment in functional areas like accounting, auditing, taxation, banking, insurance and corporate law.
PSO4.	To attain eligibility for applying for examinations like KPSC, UPSC and other recruitment board examinations for which graduation is the basic qualification.

<b>B Com (Computer Applications)</b>	
PSO1.	Students are equipped with necessary knowledge, skills and other attributes to enable them for participating in the modern business environment.
PSO2.	Developing competency in students to pursue higher level programs, such as CA, CMA or other masters programs in Commerce.
PSO3.	Students shall enhance their practical knowledge and employability through real time projects.
PSO4.	Enhance students for building entrepreneurial skills and initiating start ups
<b>BCA</b>	
PSO1.	An ability to apply knowledge of computing and mathematics appropriate to the discipline.
PSO2.	An ability to identify, formulates, and develops solutions to computational challenges.
PSO3.	An ability to design, implements, and evaluate a computational system to meet desired needs within realistic constraints.
PSO4.	An ability to function effectively on teams to accomplish shared computing design, evaluation, or implementation goals.
PSO5.	An understanding of professional, ethical, legal, security, and social issues and responsibilities for the computing profession.
PSO6.	An ability to communicate and engage effectively with diverse stakeholders.
PSO7.	An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computational systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
PSO8.	An ability to use appropriate techniques, skills, and tools necessary for computing practice.
PSO9.	An ability to apply design and development principles in the construction of software systems of varying complexity.
<b>BVoc Sustainable Agriculture</b>	
PSO1.	To propagate the ideas, practices and policies that constitutes the concept of sustainable agriculture.
PSO2.	To provide a thorough view of the consequences of farming practices on both human communities and the environment.
PSO3.	To empower the students with an economically viable, socially supportive and ecologically sound education on agriculture.
PSO4.	To provide education that emphasizes topography, soil characteristics, climate, pests, local availability of inputs and the individual grower's goals.

## **BVoc Food Processing Technology**

PSO1.	To empower the students with the professional competence and expertise of food processing technology
PSO2.	To enable the students to understand food composition and its physicochemical, nutritional, microbiological and sensory aspects.
PSO3.	To familiarize the students about the processing and preservation techniques of food products
PSO4.	To emphasize the importance of food safety, food quality, food plant sanitation, food laws and regulations, food engineering and packaging in food industry

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