



ST. XAVIER'S COLLEGE FOR WOMEN, ALUVA

Re-accredited by NAAC with A Grade, CGPA 3.33

ISO 9001:2015 Certified

AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM, KERALA

Under Graduate Programme Specific Outcome (PSO)

On completion of undergraduate programme, the student is expected to achieve the following programme specific outcomes:

BSc Mathematics

PSO1	Develop thorough knowledge on areas like Mathematical Logic, Geometry, Calculus, Trigonometry, Analysis, Graph Theory, Algebra, Differential Equations, Topology and Number theory.
PSO2	Outline the applications of Mathematics in real world through concepts in Statistics and Physical Sciences.
PSO3	Acquire ability to solve problems based on the foundation provided through Mathematics, Statistics and Physics.
PSO4	Develop analytical, logical, computational and communicative skills and implement them practically.
PSO5	Acquire strong foundation in basic concepts of important areas of Mathematics.

BSc Physics

PSO 1	Develop a firm foundation and deep understanding of the basic concepts, theories and techniques in almost all areas of Physics.
PSO 2	Acquire practical, analytical, mathematical skills and competencies to conduct scientific experiments; to develop an inquiring mind to arrive at solutions through investigation and reasoning.
PSO 3	Develop analytical and logical skills to interpret physical, mathematical and graphical data applied in multi-disciplinary approach for problem-solving using the firm foundation provided in allied and relevant subjects such as mathematics, computer applications, electronics, and chemistry.
PSO 4	Acquire skills to independently work on projects; seminars and assignments and to organize and participate in events such as quiz, debates, seminars and competitive exams.
PSO 5	Ignite passion and interest in specific areas of Physics with an aim to do further academic study and/or research after graduation.

BSc Chemistry

PSO 1	Understand, apply, analyse and evaluate major concepts in all disciplines of chemistry.
PSO 2	To develop verbal, mathematical and graphical interpretation skills of chemical information.
PSO 3	To inculcate scientific temperament in the students through theory, practical and projects and use it for the sustainable development outside the scientific community.
PSO 4	Provide an intellectually stimulating environment to develop skills as a graduate in Chemistry to the best of their potential
PSO 5	To understand the principle of Laboratory Experiments, to acquaint with laboratory safety measures & develop skill in proper handling of Chemicals, apparatus & Instruments

BSc Zoology

PSO 1	Develop an in-depth understanding and strong foundation of basic concepts, theories and techniques of Zoology.
PSO 2	Develop an inquisitive mind through field observation, investigation and experimentation
PSO 3	Demonstrate analytical reasoning and acquire practical skill to comprehend and interpret biological data.
PSO 4	Develop good communication skills to disseminate ideas and findings verbally, visually and by effective writing
PSO 5	Develop general and technical skills applicable to a wide range of careers in biological sciences

BSc Botany

PSO 1	Know the importance and scope of the discipline, so that the students develop an ability to work on their own and to make them fit for the society
PSO 2	Impart knowledge of science and to develop a scientific attitude to make students open minded, critical and curious
PSO 3	To develop practical skills for identification and illustration of biological specimens along with organization and interpretation of biological data
PSO 4	Create an awareness regarding conservation of nature and natural resources, so that the students can learn sustainable utilization and develop a positive attitude towards nature and its biodiversity
PSO 5	Develop an ability for the application of the acquired knowledge in the fields of life and apply ethical principles to biological science research and studies

BCom Finance & Taxation

PSO1	Acquire sound knowledge in commerce fundamentals and develop complementary skills in management and entrepreneurship.
-------------	---

PSO2	Application of acquired knowledge in addressing real life situations in their career and personal life.
PSO3	Evaluate and make decisions based on analyzing information, validity of ideas and given set of criteria.
PSO4	Utilize the methodology of learning in day today life especially acquired through seminars, assignments, peer learning and other innovative techniques.
PSO5	Adapt to changing business environment by proper exposure to latest developments in Commerce.

BA Economics

PSO 1	Understand the theoretical, conceptual and methodological foundations of Economics and their relation to real world situations.
PSO 2	Apply statistical, mathematical and econometric tools to understand economic problems and to evaluate the effectiveness of economic policies to solve them.
PSO 3	Build effective communication and presentation skills through academic and societal interactions to demonstrate empathetic social concern with an awareness of issues and participate in civic life.
PSO 4	Acquire skills for evaluating alternative approaches to development including the principles of sustainable development and analyze the features of Indian economy in a development perspective.
PSO5	Understand the basic foundations of public economics and the components of financial system.

BA English Language and Literature

PSO1	Develop precision in English Grammar, Phonetics, composition and the linguistic structure of language to apply them effectively in academic and real life situations
PSO2	Demonstrate ability and skill to understand, interpret and appraise literary pieces across the globe, original or in translation and fathom the varied theories in their functional stature
PSO3	Build skills to assimilate the gained knowledge to work independently on projects, seminars and assignments and to compose own literary or critical pieces
PSO4	Originate passion and interest in specific areas of English language and Literature with an aim to do further academic extension and make different career choices
PSO5	Infer Gender sensitization, environmental consciousness and Human Rights sensibility so as to engage constructively in global and regional scenarios

BA English Literature and Communication Studies Model III

PSO1	Understand the structure of language and develop the ability of the students to apply it in LSRW.
-------------	---

PSO2	Originate passion and interest in specific areas of English language and literature and understand its significance in the contemporary world.
PSO3	Understand the concept of media from print to online and explore the aspects of public relations, film to have a deep understanding about the subject.
PSO4	Carry out literary and media exercises, such as manuscripts, research papers, newspaper, radio, television, and film production, with the goal of pursuing further academic advancement and a variety of career options.
PSO5	Build skills to assimilate the gained knowledge to work independently on projects, seminars and assignments and to compose own literary or media content.

BA Malayalam Language and Literature

PSO1	Acquire knowledge about ancient –modern and postmodern Malayalam literature and evaluate the historical and cultural elements of Kerala
PSO2	Demonstrate the history and structure of language and develop language skills.
PSO3	Analyze the contemporary issues in the society with a critical aspect.
PSO4	explain the culture and aesthetics of languages and art forms.
PSO5	Build reading skill and writing skill

B Com Finance & Taxation S/F

PSO1	Acquire sound knowledge in commerce fundamentals and develop complementary skills in management and entrepreneurship.
PSO2	Application of acquired knowledge in addressing real life situations in their career and personal life.
PSO3	Evaluate and make decisions based on analyzing information, validity of ideas and given set of criteria.
PSO4	Utilize the methodology of learning in day today life especially acquired through seminars, assignments, peer learning and other innovative techniques.
PSO5	Adapt to changing business environment by proper exposure to latest developments in Commerce.

B Com Computer Applications S/F

PSO1	Acquire sound knowledge in commerce fundamentals and develop complementary skills in management and entrepreneurship.
PSO2	Application of acquired knowledge in addressing real life situations in their career and personal life.
PSO3	Evaluate and make decisions based on analyzing information, validity of ideas and given set of criteria.

PSO4	Utilize the methodology of learning in day today life especially acquired through seminars, assignments, peer learning and other innovative techniques.
PSO5	Adapt to changing business environment by proper exposure to latest developments in Commerce.

B Com Travel & Tourism S/F

PSO1	Acquire sound knowledge in commerce fundamentals and develop complementary skills in management and entrepreneurship.
PSO2	Application of acquired knowledge in addressing real life situations in their career and personal life.
PSO3	Evaluate and make decisions based on analyzing information, validity of ideas and given set of criteria.
PSO4	Utilize the methodology of learning in day today life especially acquired through seminars, assignments, peer learning and other innovative techniques.
PSO5	Adapt to changing business environment by proper exposure to latest developments in Commerce.

B. Com Co-operation S/F

PSO1	Acquire sound knowledge in commerce fundamentals and develop complementary skills in management and entrepreneurship.
PSO2	Application of acquired knowledge in addressing real life situations in their career and personal life.
PSO3	Evaluate and make decisions based on analyzing information, validity of ideas and given set of criteria.
PSO4	Utilize the methodology of learning in day today life especially acquired through seminars, assignments, peer learning and other innovative techniques.
PSO5	Adapt to changing business environment by proper exposure to latest developments in Commerce.

Post Graduate Programme Specific Outcome (PSO)

The Post graduate Department is committed to impart quality education both in theoretical as well as experimental Physics with special emphasis on 'learning by doing' to produce quality manpower for teaching and research. On completion of the M.Sc. Physics programme, the student is expected to achieve the following programme outcomes.

MSc Physics

PSO 1	Enable students to acquire a firm foundation and substantial knowledge in fundamental aspects of different areas in Physics and appreciate how diverse phenomena observed in nature follow from a small set of fundamental laws through logical and mathematical reasoning. Also, gain the ability to teach it at college as well as school level.
PSO 2	Acquire practical, analytical, mathematical skills and competencies to conduct basic as well as advanced scientific experiments; and develop analytical and logical skills to interpret physical, mathematical and graphical data and evaluate experimental results and draw logical conclusions through investigation and reasoning.
PSO 3	Inculcate scientific temperament such as concern for efficiency, accuracy, precision, effective communication, ethical responsibilities, initiative, innovation and inventiveness and will be able to apply theoretical and/or experimental methods, including the use of numerical methods and simulations
PSO 4	Acquire skills to model, analyse, and solve advanced problems in physics and acquire hands-on experience to independently work on supervised projects, and seminars and gain thorough knowledge in the subject to be able to teach at college as well as school level.
PSO 5	Ignite passion and interest in specific areas of Physics to pursue Research, career in academics and in industries in physical science and in allied fields and imbibe effective scientific and/or technical communication abilities among the students.

MSc Microbiology

PSO1	Achieve excellence in biological sciences with clear, comprehensive and advanced mastery in the field of Microbiology and enabling the students to study the role and interaction of microorganisms in the ecosystem and its usefulness as a 'model system' to study basic biology, genetics, metabolism and ecology.
PSO2	Interdisciplinary nature of the course offers substantial understanding of biological sciences, physical and mathematical sciences and to enhance critical thinking and problem-solving skills and competency to carry out innovative research projects
PSO3	To help students communicate effectively through seminars, assignments and inculcate research and writing skills in an effort to gain knowledge and advance their careers across a variety of disciplines.
PSO4	Describe the role and interaction of microorganisms in the ecosystem and explain the reason for ubiquitous distribution of microorganism in wide range of ecological habitat in nature
PSO5	Achieve sound knowledge and technical skills to analyse and interpret scientific data by performing various analytical laboratory techniques that will enable them to pursue and contribute in teaching and research

M.A. Malayalam

PSO 1	Ignite passion and interest in specific areas of Malayalam language and literature.
PSO 2	Illustrate the history and structure of language and develop language skills.
PSO 3	Analyze the contemporary issues in the society with a critical aspect.
PSO 4	Explain the culture and aesthetics of other languages
PSO5	Acquire Teaching skill and research skill.

M.com Finance and Taxation

PSO1	Inculcating managerial skills and theoretical knowledge for managing business units with special focus on functional areas of business and management.
PSO2	Imparting advanced accounting knowledge and skills and provide awareness regarding latest developments in the field of accounting.
PSO3	Enabling learners to acquire advanced theoretical knowledge on research methods and techniques and also developing capabilities in the application of research in solving business related problems.
PSO4	Acquisition of expertise in specialized fields like finance, taxation, marketing, management and information technology.
PSO5	Development of quantitative aptitude and analytical skills of the learner.
PSO6	Facilitating learner to pursue career in professional areas of commerce and management such as taxation, financial services, consultancy etc.