

MSW

Students on completion of MSW programme will be able to :

- PSO1. Understand the value base of the profession, its ethical standards, principles, and practice
- PSO2. Understand the forms and mechanisms of oppression and discrimination
- PSO3. Apply strategies of social change for social and economic justice
- PSO4. Use theoretical frameworks supported by empirical evidence to understand individual development and behavior across the life span and the interactions among individuals and between individuals, families, groups, organizations, and communities.
- PSO5. Apply the knowledge and skills of generalist social work practice with systems.
- PSO6. Apply critical thinking skills within the context of professional social work practice.
- PSO7. Analyze, formulate, and influence social policies
- PSO8. Evaluate research studies, apply research findings to practice, and evaluate their own practice interventions
- PSO9. Use communication skills differentially across client populations, colleagues, and communities
- PSO10. Use supervision and consultation appropriate to social work practice
- PSO11. Function within the structure of organizations and service delivery systems and seek necessary organizational change
- PSO12. Use opportunities for continuing professional education to enhance their professional development
- PSO13. Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- PSO14. Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- PSO15. Acquire knowledge, skills and attitude to become more suitable for employment in NGOs, government and industry.

M.Com

*Students on completion of **M.Com** programme will be able to :*

- PSO1. Acquire strong subject-matter expertise in finance, financial instruments and markets
- PSO2. Identify, analyze and solve business problems
- PSO3. Analyse commerce / business issues in the international context
- PSO4. Apply basic mathematical and statistical skills necessary for analysis of a range of problems in accounting, marketing, management and finance and use critical reasoning to evaluate information
- PSO5. Make use of quantitative skills necessary for analysis and critical reasoning
- PSO6. Express ideas clearly and logically in oral and written formats
- PSO7. Master a body of knowledge in one area of specialization within the discipline of Commerce
- PSO8. Communicate effectively and to understand inter-disciplinary expressions
- PSO9. Use opportunities for continuing professional education to enhance their professional development
- PSO10. Demonstrate skills for life-long learning
- PSO11. Develop advanced theoretical knowledge and research capabilities in the preparation for academic and research focused careers
- PSO12. Understand and use information technology tools, techniques and resources
- PSO13. Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- PSO14. Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- PSO15. Acquire knowledge, skills and attitude to become more suitable for self employment and the emerging employment market.

M.Sc. – Physics

*Students on completion of **M.Sc-Physics** programme will be able to :*

- PSO1. Demonstrate substantial knowledge in physics, basic knowledge in mathematics and knowledge in supported fields like computer science and show advanced knowledge in some areas in physics.

- PSO2. Apply advanced theoretical and/or experimental methods, including the use of numerical methods and simulations.
- PSO3. Disseminate subject matter and results to both specialists and a broader audience and know the historical development of physics, its possibilities and limitations, and understand the value of lifelong learning.
- PSO4. Understand the role of physics in society and has the background to consider ethical problems, gather, assess, and make use of new information.
- PSO5. Acquire an international perspective on specialized areas in physics.
- PSO6. Communicate effectively and to understand inter-disciplinary expressions and develop and renew scientific competence independently
- PSO7. Enter new problem areas that require an analytic and innovative approach and successfully carry out advanced tasks and projects, both independently and in collaboration with others, and also across disciplines.
- PSO8. Demonstrate background and experience required to model, analyse, and solve advanced problems in physics.
- PSO9. Impart intensive knowledge and training required for research and for professional application.
- PSO10. Prove research experience within a specific field of physics, through a supervised project.
- PSO11. Critically and independently assess and evaluate research methods and results.
- PSO12. Use opportunities for continuing professional education to enhance professional development
- PSO13. Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- PSO14. Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- PSO15. Acquire knowledge, skills and attitude to become more suitable for employment.

M.Sc. – Computer Science

Students on completion of M.Sc. – Computer Science programme will be able to :

- PSO1. Operate computer systems of different types independently.

- PSO2. Use different computer applications independently.
- PSO3. Implement business logic into algorithms and algorithms into code.
- PSO4. Write computer programs using programming languages and development environments and analyze requirements for the development of a software product.
- PSO5. Manage data using database management tools and organize files and backup / recover data using utilities.
- PSO6. Troubleshoot and manage computer hardware and software resources.
- PSO7. Use supervision and consultation appropriate to IT sector.
- PSO8. Use opportunities for continuing professional education to enhance their professional development.
- PSO9. Communicate effectively and to understand inter-disciplinary expressions
- PSO10. Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- PSO11. Acquire knowledge, skills and attitude to become more suitable for self employment and the emerging employment market.
- PSO12. Use opportunities for continuing professional education to enhance professional development.
- PSO13. Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- PSO14. Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- PSO15. Acquire knowledge, skills and attitude to become more suitable for employment.

M.Sc. – Mathematics

Students on completion of M.Sc. – Mathematics programme will be able to :

- PSO1. Demonstrate substantial knowledge in mathematics and knowledge in supported fields like computer science.
- PSO2. Know the historical development of mathematics, its application, and understand the value of lifelong learning, gather, assess, and make use of new information.

- PSO3. Acquire an international perspective on specialized areas in mathematics and show advanced knowledge in specialized areas in mathematics.
- PSO4. Demonstrate background and experience required to model, analyse, and solve advanced problems in mathematics.
- PSO5. Understand the role of mathematics in society encompassing diverse fields and enter new problem areas that require an analytic and innovative approach.
- PSO6. Disseminate subject matter and results to both specialists and a broader audience.
- PSO7. Successfully carry out advanced tasks and projects, both independently and in collaboration with others.
- PSO8. Impart intensive knowledge and training required for research and for professional application
- PSO9. Prove research experience within a specific field of mathematics, through a supervised project.
- PSO10. Critically and independently assess and evaluate research methods and results.
- PSO11. Communicate effectively and to understand inter-disciplinary expressions
- PSO12. Use opportunities for continuing professional education to enhance professional development
- PSO13. Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- PSO14. Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- PSO15. Acquire knowledge, skills and attitude to become more suitable for employment.

M.A. – Economics

*Students on completion of **M.A - Economics** programme will be able to :*

- PSO1. Understand fundamental economic principles and be able to apply these ideas to analyze public policies, business practices, and real-world events.

- PSO2. Understand at an advanced level about the complex economics mechanism that characterize modern society.
- PSO3. Analyse how markets for goods and services function and how income is generated and distributed.
- PSO4. Analyze a problem and draw correct inferences using qualitative and/or quantitative analysis.
- PSO5. Use microeconomic tools and concepts to address public policy issues such as competition, environmental protection, financial regulation, innovation and intellectual property, labor law, or taxation.
- PSO6. Give insight into energy economics, competition policy, industrial economics, financial markets, environmental and resource economics, development economics and international trade and globalization
- PSO7. Use of econometric- and mathematical methods
- PSO8. Apply mathematical methods, through modeling and large-scale data analysis.
- PSO9. Identify compile, interpret, and analyze quantitative economic data by expressing relationships between concepts through graphs, statistical or econometric analysis.
- PSO10. Understand basic econometric modeling techniques.
- PSO11. Develop and estimate economic models, test economic hypothesis, and perform basic forecasting tasks.
- PSO12. Undertake applied work and research projects in economics
- PSO13. Communicate effectively by presenting complex information in a clear and concise manner orally, on paper and using ICT.
- PSO14. Demonstrate information technology skills, especially in the areas of information retrieval, literature searching and library databases.
- PSO15. Acquire knowledge, skills and attitude to become more suitable for self employment and the emerging employment market.