

B.Sc. (Economics, Mathematics & Data Analytics)

Programme Educational Objectives (PEOs)

Broad statements describing what graduates achieve within 3–5 years. Recommended: 3–5 PEOs.

PEO No.	Statement — what graduates will achieve / be, 3–5 years after graduation
PEO1	Develop professional competence to become successful managers and entrepreneurs in academia, industry or government.
PEO2	Adapt to a rapidly changing environment with newly learnt and applied skills and competencies, become socially responsible and value-driven citizens, committed to sustainable development
PEO3	Act with conscience of global, ethical, societal, ecological and commercial awareness with sustainable values as is expected of practicing management professionals contributing to the country
PEO4	Able to continue their professional development by obtaining advanced degrees in Management or other professional fields

Programme Outcomes (POs)

Competencies demonstrated at the point of graduation. Use Bloom's action verbs. Domain: K = Knowledge S = Skills A = Attitude/Value. Recommended: 8–12 POs.

PO Code	Statement — graduates will be able to...	Bloom's Level (K1–K6)	Domain (K / S / A)
PO 1	Disciplinary and Inter-disciplinary Knowledge: Demonstrate the understanding of relevant business, management, and organization knowledge, both academic and professional, in line with industry standards.	2	K
PO 2	Decision Making Skill: Apply underlying concepts, principles, and techniques of analysis, both within and outside the discipline to generate all possible solutions and pick one that shows understanding of the problem and the outcomes.	4	K + S
PO 3	Integrated Problem-Solving and Research: Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems by analyzing key managerial issues in a particular industry or company and propose appropriate managerial solutions to the situation.	4	K + S
PO 4	Critical Thinking Skill: Evaluate evidence, arguments, claims, and beliefs by using appropriate reasoning for the situation and analyze how parts of a whole interact to produce overall outcomes in complex systems.	5	K + A
PO 5	Creative Thinking Skill: Develop, implement, and communicate new and worthwhile ideas	6	S + A

PO Code	Statement — graduates will be able to...	Bloom's Level (K1–K6)	Domain (K / S / A)
	using both incremental and radical concepts to make a real and useful contribution to their work.		
PO 6	Usage of Modern Technology and Tools: Use tools and technologies of digital nature, communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy.	3	S
PO 7	Leadership and Team Work: Develop a vision, translate that vision into shared goals, and effectively work with others to achieve these goals.	6	S + A
PO 8	Ethical Conduct: Act responsibly and sustainably at local, national, and global levels.	3	A
PO 9	Collaboration: Work collaboratively and respectfully as members and leaders of diverse teams.	3	S + A
PO 10	Self-Directed and Life-Long Learning: Create goals and monitor progress toward them by developing an awareness of the personal, environmental, and task-specific factors that affect the attainment of the goals.	6	K + A

Programme Specific Outcomes (PSOs)

Outcomes unique to this programme / discipline. Recommended: 2–4 PSOs.

PSO Code	Statement — specific to this programme's domain or specialisation
PSO 11	Analytical, Technological, and Quantitative Competence: Graduates will demonstrate the ability to apply economic theories, mathematical models, and statistical techniques, along with proficiency in modern data analytics tools to analyze and solve real-world economic, financial, and business problems through data-driven decision-making.
PSO 12	Interdisciplinary Problem-Solving and Research for Societal Impact: Graduates will integrate knowledge from economics, mathematics, and data analytics to conduct interdisciplinary research, formulate strategic insights, and propose innovative, sustainable solutions to complex challenges in public policy, finance, environmental studies, and global economic systems.