



**PP SAINS KIMIA
PROGRAMME EDUCATIONAL OBJECTIVES (PEO) &
PROGRAM LEARNING OUTCOME
B.App. Sc.(Hons.) (Analytical Chemistry)**

Programme Educational Objectives:

In line with the mission of the School of Chemical Sciences, Bachelor of Applied Science (Honours) (Analytical Chemistry) offers high quality science education with the aim to produce:

PEO 1 : Analytical chemist who is able to apply the basic principles and practical skills of analytical chemistry based on conventional and modern chemical techniques.

PEO 2 : Ethical, pure-hearted, resilient analytical chemist who voluntarily involve in the community.

PEO 3 : Analytical chemist who demonstrates leadership skills and communicates effectively in a team to solve chemistry-related problems.

PEO 4 : Analytical chemists who respond consistently to the latest analytical chemistry techniques and demonstrate management and entrepreneurial skills.

Program Learning Outcomes: Upon completion of this programme, students will be able to:

PLO 1	Knowledge (of the discipline)	Apply fundamental knowledge of chemistry to chemistry-related practices.
PLO 2	Practical Skills (of the discipline)	Perform safe handling of chemicals and proficient manipulation of laboratory apparatus and analytical instruments.
PLO 3	Cognitive Skills	Demonstrate critical thinking and provide practical solutions to chemistry-related issues by employing appropriate and relevant chemistry knowledge and skills.
PLO 4	Communication Skills	Demonstrate effective communication.
PLO 5	Interpersonal Skills	Lead and collaborate with diverse team members and demonstrate social responsibility for the well-being of society.
PLO 6	Ethics and Professionalism	Balance and uphold positive values, ethics and accountability in societal and professional engagement.
PLO 7	Personal Skills	Manage information and seek new knowledge and skills independently.
PLO 8	Entrepreneurial Skills	Display relevant and appropriate managerial and entrepreneurial skills.
PLO 9	Leadership, Autonomy and Responsibility	Demonstrate the ability to work effectively as a leader.
PLO 10	Digital Skills	Demonstrate the ability to use digital effectively.
PLO 11	Numeracy Skills	Demonstrate the ability to use numerical effectively