PP SAINS KIMIA
PROGRAME EDUCATIONAL OBLECTIVES (PEO) &
PROGRAM LEARNING OUTCOME
B.App. Sc.(Hons.) (Industrial Chemistry)

Programme Educational Objectives (PEO):

In line with the mission of the School of Chemical Sciences, Bachelor of Applied Science (Honours) (Industrial Chemistry) offers high quality science education with the following aims:

PEO 1 : Industrial chemists who apply technical knowledge and skills in line with current industry needs and developments.

PEO 2 : Industrial chemists who are ethical in their behaviour and are responsible in improving the socio-economic well-being of society

PEO 3 : Industrial chemists who can act as leaders or team members in providing scientific solutions to problems faced by society and industry through effective communication.

PEO 4 : Industrial chemists who are constantly improving and adapting to current technology and demonstrating effective information resource management

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