

<b>PROGRAMME SPECIFIC OUTCOMES (PSOs)</b>	
<b>PSO 1</b>	Critically evaluate and apply the theories and techniques of Chemistry
<b>PSO 2</b>	Demonstrate subject-specific 'thinking' skills that are readily transferable to problem solving and decision making in a wider context
<b>PSO 3</b>	Enhance their lifelong learning, employing a range of practical and professional skills in Chemistry
<b>PSO 4</b>	Inculcate a scientific temper to find, evaluate, synthesize and use scientific information from a variety of sources
<b>PSO 5</b>	Articulate an awareness of the social and community contexts within their disciplinary field
<b>PSO 6</b>	Applies innovative scientific solutions to real-world environmental problems

<b>PROGRAMME OUTCOMES (POs)</b>	
<b>PO 1</b>	Demonstrate a comprehensive understanding of the fundamental concepts in chemistry, including organic, inorganic, physical, and analytical chemistry
<b>PO 2</b>	Perform laboratory techniques proficiently and safely, including the use of modern instrumentation and experimental methodologies.
<b>PO 3</b>	Apply critical thinking and analytical skills to solve complex chemical problems
<b>PO 4</b>	Analyse and interpret chemical data using quantitative and qualitative methods
<b>PO 5</b>	Communicate chemical knowledge effectively through written reports, oral presentations, and scientific publications
<b>PO 6</b>	Integrate knowledge from different scientific disciplines that interconnected nature of chemistry with other fields such as biology, physics etc.
<b>PO 8</b>	Evaluate the impact of chemical processes on the environment and society, promoting sustainable and responsible practices in chemistry
<b>PO 9</b>	Recognize the advancements in chemical sciences and related technologies

<b>COURSE OUTCOMES (COs)</b>	
<b>CO 1</b>	To understand the basic principles and instrumentation of chromatographic techniques for the separation of mixture of chemicals
<b>CO 2</b>	To understand the instrumentation and applications of important spectroscopic methods for chemical analysis.
<b>CO 3</b>	To understand the theory, bonding, structure and applications of coordination compounds
<b>CO 4</b>	To understand the theory, bonding, structure and synthetic applications of organometallic compounds
<b>CO 5</b>	To understand the importance of structure and bonding in solids
<b>CO 6</b>	To apply the knowledge of electrode kinetics in electrochemical processes and electro analytical techniques
<b>CO 7</b>	To apply the theory of multilayer adsorption of molecules on solid surfaces and its industrial applications

<b>COURSE OUTCOMES (COs)</b>	
<b>CO 1</b>	Remember the nomenclature, structure, methods of preparation, reactivity and common reactions of some organic compounds
<b>CO 2</b>	Understand various organic reaction mechanisms
<b>CO 3</b>	Understand the classification, isolation, purification and physiological activities of alkaloids and terpenes.
<b>CO 4</b>	Understand the classification, types and mechanisms of polymerisation,
<b>CO 5</b>	Elucidate the structure of simple organic compounds using spectral techniques.
<b>CO 6</b>	To apply the concepts of stereochemistry, conformations and asymmetric synthesis

<b>COURSE OUTCOMES (COs)</b>	
<b>CO1</b>	Understand the role of chemistry in science and scientific research with emphasis on analytical data evolution
<b>CO2</b>	Understand the theory of chemical bonding, molecular structure
<b>CO3</b>	Remember the extraordinary properties of nanomaterial and its applications
<b>CO4</b>	Apply the concepts of lab safety measurements and volumetric analysis
<b>CO5</b>	Apply the analytical skills in inorganic quantitative and qualitative analysis
<b>CO 6</b>	Understand the concept of atomic orbitals in chemical bonding (the mixing of wave functions of the two combining atoms).