

SKR Government Degree College (W),RAJAMAHENDRAVARAM Department of Chemistry 2020-2021		
Programme & Course outcomes		
Programme	Course	Programme outcomes
BSC	MPC& CBZ	<p>1. Understand the environment functions and how it is affected by human activities.</p> <p>2. Acquire chemical knowledge to ensure sustainable use of the world's resources and ecosystems services.</p> <p>3. Engage in simple and advanced analytical tools used to measure the different types of pollution.</p> <p>4. Explain the energy crisis and different aspects of sustainability.</p> <p>5. Gain the knowledge of chemistry through theory and practical's</p> <p>6. identify chemical formula and solve numerical problems</p> <p>7. understand good laboratory practices and safety</p> <p>8. make aware and handle the sophisticated instruments or equipments</p>
SEM	Name of the course	Course out comes
sem-1	Inorganic and Physical Chemistry	<p>Understand the basic concepts of p-block elements</p> <ul style="list-style-type: none"> · Explain the difference between solid, liquid and gases in terms of intermolecular interactions. · Apply the concepts of gas equations, pH and electrolytes while studying other chemistry courses.
Sem-4	Inorganic, Organic and Physical Chemistry	<p>To learn about the laws of absorption of light energy by molecules and subsequent photochemical reactions.</p> <ul style="list-style-type: none"> · To understand the concept of quantum efficiency and mechanisms of photochemical reactions
SEM-5	Inorganic & Physical Chemistry	<p>Understand concepts of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation values</p> <ul style="list-style-type: none"> · Application Of Quantization To Spectroscopy. · Various types of spectra and their use in structure determination.
Sem-6	Inorganic & Physical Chemistry	<p>Understand concepts</p> <p>Of boundary conditions and quantization, probability distribution, most probable values, uncertainty and expectation values</p> <p>2. Application of quantization to spectroscopy.</p> <p>3. Various types of spectra and the ir use in structure determination</p>

cluster-A1	Polymer chemistry	<p>To understand the importance of the chemical approach to polymers and the subject provides an introduction to polymer science with respect to synthesis, polymerization kinetics and network formation/gelation of macromolecules formed by step-growth and chain-growth polymerization.</p> <ul style="list-style-type: none"> • To Study the, methods of measuring the molecular weight, polymerization kinetics and Copolymerization and polymer processing technologies. • To understand about radical and ionic polymerization and techniques of polymer analysis • To study mechanical properties and applications of polymers
cluster-A2	Instrumental methods of Chemistry	<p>To introduce the student to principles and theory of instrument analysis.</p> <ul style="list-style-type: none"> · To teach the student the correct operation of chemical instruments. · To introduce the student to the techniques of troubleshooting instruments in the chemical laboratory. · To emphasize the safe use of chemical instrumentation. · To teach the student to solve problems related to the use of chemical instruments.
cluster-A3	Analysis of Drugs, Foods, Diary Products and Bio chemical analysis	<p>Students in this course will learn about microbes in food, spoilage of food and preservation techniques of food.</p> <p>Milk and milk products and nutritional importance of milk, processing of milk.</p>