

# MSc CHEMISTRY

## Programme Outcome

The students of M. Sc Chemistry at the time of graduation will have

- PO1- **Creative and Innovative Thinking**- The students have been inculcated the ability to come up with new ideas and novel approaches to the problems in chemistry.
- PO2- **Scientific Temperament** – Enhances scientific temper in students by employing rational and logical method of thinking.
- PO3- **Critical and Logical Reasoning**- The students are equipped to think critically by asking questions on the fundamental concepts in chemistry thereby make them able to conceptualize, analyze, question and evaluate concepts in chemistry.
- PO4- **Research Aptitude** – Equip students to inquire, search and investigate several problems in chemistry by means of scientific methods through project work.
- PO5- **Practical Skills**- Perform experiments and interprets the results of observation. It will help the students to be efficiently participate in academic as well as industrial organizations.
- PO6- **Environment and Sustainability**- To give the importance of green chemistry and educating them to utilize resources in a green method by limiting the use of organic solvents, hazardous chemicals etc.

## Program Specific Outcomes

- To give students a comprehensive understanding of the principles of Chemistry
- To gain the skill to design and carry out scientific experiments and interpret the data
- To understand the interdisciplinary nature of Chemistry and to be aware of the emerging fields in Chemistry
- To build a scientific temper and to learn the necessary skills to succeed in research or industrial field.
- To be able to define and resolve new problems in Chemistry and participate in the future development of Chemistry
- Use Information Communication Technology to gather knowledge at will.