

PROGRAM SPECIFIC OUTCOMES

M.Sc. CHEMISTRY



DISCIPLINE SPECIFIC COMPETENCIES

- **Knowledge Outcomes:** Students will apply fundamental knowledge of basic principles and concepts in chemistry, including inorganic, organic, physical, and analytical chemistry.
- **Understanding Chemical Processes:** Students will comprehend the thermodynamics and kinetics of chemical processes, enabling them to analyze and interpret complex chemical data.

PROFESSIONAL SKILLS

- **Practical Skills:** Students will acquire hands-on experience in laboratory techniques, instrumentation, and data analysis, preparing them for careers in research, industry, and academia.
- **Prepare for careers or further studies:** in chemistry and related fields, such as research, industry, teaching, or environmental science.

PERSONAL SKILLS

- **Creative Thinking:** Students will think creatively to propose novel ideas and solutions to complex problems in chemistry
- **Building a Firm Foundation:** Students will develop conceptual, quantitative, and rational thinking skills, laying a strong foundation for advanced studies and research in chemistry.

CITIZENSHIP ATTRIBUTES

- **Embrace:** diversity, respect cultures, values, rights and views of individuals or groups
- **Create Awareness:** of the impact of chemistry on the environment, society and economic dimensions of national and international issues.



DEPARTMENT OF CHEMISTRY

GOVT.M.H.COLLEGE OF HOME SCIENCE AND SCIENCE FOR WOMEN, JABALPUR (M.P.)