



Navgan Shikshan Sanstha, Rajuri(N)
Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Commerce and
Science College, Beed

NAAC Re-accredited 'A' Grade (3.15 CGPA) & ISO 21001-2018

M.Sc. Ist year and IInd year Organic Chemistry

POs and Course Outcomes (COs)

Program Outcomes

Program Objectives:

M. Sc. in Chemistry program aims to provide the following objectives:

1. provide the Advanced Knowledge: The program aims to provide the core/basic concepts in chemistry, including Organic, inorganic, physical, and analytical chemistry, while also exploring interdisciplinary areas.
2. Provide the Research Skills: Students will get the research-oriented environment in the department and learns the laboratory techniques and methodologies required in the research.
3. Create Analytical Thinking: We will encourage the Students to create analytical thinking and encouraging to approach complex challenges with creativity and scientific reasoning.
4. Ability of Communication and Collaboration: In the program, students will work On their abilities to present and discuss scientific ideas clearly and work collaboratively With others

The program outcomes (PO's) are the statement of competencies/ abilities.

- **PO1** :- In-depth and detailed functional knowledge of the fundamental theoretical concepts and experimental methods of chemistry.
- **PO2** :- Apply/implement interface between, on the one hand, the history of chemistry and natural science and, on the other hand, issues pertaining to the areas of modern technology, health, and environment.
- **PO3**:- Skills in planning and conducting advanced chemical experiments and applying structural-chemical characterization techniques.
- **PO4**:-Skill in examining specific phenomena theoretically and/or experimentally.
- **PO**:- Generation of new scientific insights or to the innovation of new applications of chemical research.