



*Rayat Shikshan Sanstha's*

## **Mahatma Phule Mahavidyalaya, Pimpri, Pune**

*Reaccredited with 'A' Grade by NAAC/ DST-FIST funded /An ISO 9001:2015 Certified College*

*Affiliated to Savitribai Phule Pune University, Pune (PU/PN/ACS/053)*

### **Department of Chemistry**

#### **Program Outcomes**

#### **M.Sc.**

<b>Name of the program</b>	<b>Program Code</b>	<b>Program Outcome</b>
<b>Masters of Science</b>		<p><b>PO 1 Knowledge and Understanding:</b> Graduates of M.Sc. Organic Chemistry will have a comprehensive knowledge and understanding of the fundamental concepts, theories, and principles of organic chemistry, including reaction mechanisms, synthesis, and analysis of organic compounds.</p> <p><b>PO 2 Experimental Skills:</b> Graduates will be proficient in performing a variety of laboratory techniques and procedures, including synthesis, separation, purification, and characterization of organic compounds using spectroscopic and chromatographic methods.</p> <p><b>PO 3 Problem Solving:</b> Graduates will be able to apply their knowledge and analytical skills to identify, formulate and solve complex problems related to organic chemistry.</p> <p><b>PO 4 Research Aptitude:</b> Graduates will have the ability to conduct independent research, design experiments, analyze data, and draw meaningful conclusions, as well as the ability to critically evaluate scientific literature.</p>

		<p><b>PO 5    Communication Skills:</b> Graduates will be able to effectively communicate scientific ideas and results, both orally and in writing, to diverse audiences.</p> <p><b>PO 6    Ethical and Professional Values:</b> Graduates will demonstrate ethical and professional values, including academic integrity, social responsibility, and respect for diversity, in their research, teaching, and professional practice.</p> <p><b>PO 7    Lifelong Learning:</b> Graduates will have the ability to pursue lifelong learning and professional development, and adapt to changing trends and emerging technologies in the field of organic chemistry.</p>
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