



ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

Faculty of Bio Sciences

Program Outcomes

Bachelor of Science (B.Sc.)

Academic Competence

- PO1 Disciplinary knowledge and understanding of fundamentals and principles of Chemistry and allied subjects.
- PO2 To develop concepts of wide range of organic, inorganic, physical, analytical and spectroscopic techniques in chemistry.

Entrepreneurship Skills

- PO3 To develop basic professional skills in specific areas in Chemistry such as spectral analysis, inorganic and organic synthesis, estimation and characterization, physical practical data evaluation and formulation of result through proper calculations and hands on experience of usage of instruments like spectrophotometer, conductivity bridge, polarimeter, CRO and others.
- PO4 To promote team work and time management in organizing and working in a chemistry laboratory.
- PO5 To promote experiential learning by carrying out laboratory-oriented chemistry practicals such as synthesis of complexes, inorganic and organic mixture analysis, gravimetric analysis, spectroscopic techniques and others.

Institutional Social Responsibility

- PO6 To follow the 3 R's – Reduce, Recycle and Reuse and promote the 12 principles of Green Chemistry in the laboratory.
- PO7 To sensitize the use of biodegradable, cost efficient, environment friendly and green chemicals and procedures.
- PO8 To minimize the use of chemicals and reduce the environmental pollution caused by the department.

