

Shri Govindram Seksaria Institute of Technology & Science, Indore

Department of Pharmacy

Revised Advertisement

Two-Month Student Internship Opportunity under ANRF (SERB)-DST Funded Project

Project Title: Optimization of Hybrid Trifluoromethyl-Quinolone Based DprE1 Inhibitors to Target Drug-Resistant Tuberculosis

Sanctioned By: ANRF (SERB)-DST (CRG/2023/004576)

Total Budget for SSR Activities (Student Internship): Rs. 5,000 per month for two months

Process and Guidelines

Objective

To mentor and train students by providing hands-on experience with tools and techniques in organic and medicinal chemistry and drug discovery, focusing on the development of novel therapeutic agents.

Eligibility

An **undergraduate** degree in Pharmacy/Organic Chemistry (or pursuing final year), or **Postgraduate** (or pursuing final year), degree in M. Pharm./M.S. (Pharm.)/M. Tech./M.Sc. with a specialization in Medicinal Chemistry, Pharmaceutical Chemistry, Natural Products Chemistry, Organic Chemistry or equivalent disciplines.

Duration

Two months

Application Deadline

31st May 2025

Timeline

June-July 2025.

1. Application Process

Interested students must email the following documents to otanwar@sgsits.ac.in with the subject line "SSR Student Internship":

- An updated CV with at least two referees.
- A statement of purpose outlining the student's interest and motivation for the project.

2. Selection Criteria

- Academic performance.
- Relevance of the student's background to the project objectives.
- Demonstrated interest in the project area.

3. Stipend Disbursement

- An assistantship of up to Rs. 5,000 per month, with a maximum of Rs. 10,000 for the two-month internship.
- Disbursement is contingent on attendance and satisfactory performance during the internship.

4. Reporting


- Interns must submit a final report summarizing their work, research outcomes, and learning experiences.
- A presentation to the project team may also be required.

5. Outcomes:

- After completing this internship, the student will acquire essential skills in medicinal chemistry, including:
 - Setting up and monitoring organic reactions (using TLC), including those that are temperature- and moisture-sensitive, as well as compound purification.
 - Analyzing and interpreting spectral data (IR, NMR, and mass spectrometry) from research papers in drug discovery.
 - Preparing effective presentations to communicate scientific findings.

Approved as above


26/05/25


28/05/2025