

# Shri Govindram Seksaria Institute of Technology & Science, Indore

## Department of Pharmacy

### 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):** Up to Rs. 10,000

### 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

- Students currently pursuing or who have recently completed an undergraduate degree in Pharmacy, or M. Pharm./M.S. (Pharm.)/M. Tech. with a specialization in Medicinal Chemistry, Pharmaceutical Chemistry, Natural Products Chemistry, or equivalent disciplines.

#### Duration

Two months

#### Application Deadline

15th January 2025

#### Working Hours


10:00 AM to 6:00 PM, Monday to Friday

#### 1. Application Process

Interested students must email the following documents to [otanwar@sgsits.ac.in](mailto: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

  
9/11/2025

- 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.
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8/01/2015