

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): 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

Completed an **undergraduate** degree in Pharmacy/Organic Chemistry, or **Postgraduate** 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

15th May 2025

Start date and working Hours

25th May 2025 to 24th June 2025. 10:00 AM to 6:00 PM, Monday to Friday.

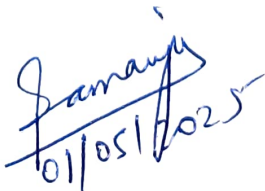
1. Application Process

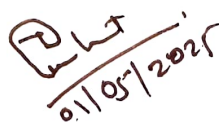
Interested students must email the following documents to otanwar@sgsits.ac.in with the subject line "SSR Student Internship":

- 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


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- 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.

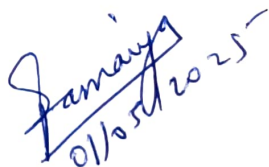
4. Reporting


- 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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