

Sandip Foundation's

# SANDIP INSTITUTE OF PHARMACEUTICAL SCIENCES

In Association with Reliable Shree Industrial Training Centre

Under  
**IQAC**  
SIPS



2022  
2023

## COURSES OFFERED

# PREFORMULATION STUDIES

ADD ON / VALUE ADDED CERTIFICATE COURSES

Duration of course

21st Jan 2023- 18th Feb 2023

Our Program structures offers students the flexibility to enhance their academic experience by enrolling in Two Courses per academic year, with option to take one course per semester. This approach allows students to delve deeper into their areas of interest, diversify their skill set and tailor their learning journey to align with their career aspirations

Campus: Mahiravani, Trimbak Road, Tal & Dist. Nashik-422213, Maharashtra, India.

# COURSE OBJECTIVES

## » Physical Properties Assessment

Evaluate the physical properties of drug substances, including solubility, stability, and particle size distribution, to inform formulation design.

## » Compatibility Studies

Conduct compatibility studies to assess the interactions between drug substances and excipients, ensuring formulation stability.

## » Polymorphism and Crystallinity Analysis

Analyze the polymorphic forms and crystallinity of drug substances, providing insights into their solid-state characteristics and potential effects on formulation.

## » Excipient Selection

Identify and select appropriate excipients based on their compatibility with the drug substance and their contribution to formulation goals.

# COURSE OUTCOMES

## » Informed Formulation Design

Utilize preformulation studies to make informed decisions in designing drug formulations, considering physical and chemical properties.

## » Stability Assessment

Assess the stability of drug substances and formulations, ensuring their suitability for further development and manufacturing.

## » Optimized Solid-State Characteristics

Optimize the solid-state characteristics of drug substances, minimizing potential issues related to polymorphism and crystallinity.

## » Well-Informed Excipient Selection

Select excipients judiciously, considering their compatibility with the drug substance and their contribution to the overall formulation.

### CHIEF PATRON

Hon'ble Dr. Sandip N. Jha  
Chairman  
Sandip Foundation

### PATRON

Prof. Pramod Karole  
Academic Facilitator  
Sandip Foundation

### CONVENER

Dr. Laxmikant B. Borse  
Principal  
SIPS, Nashik

### COORDINATOR

Dr. Ganesh Shevalkar

### REGISTRATION DETAILS

Dr. Swati G. Talele  
9850165808