



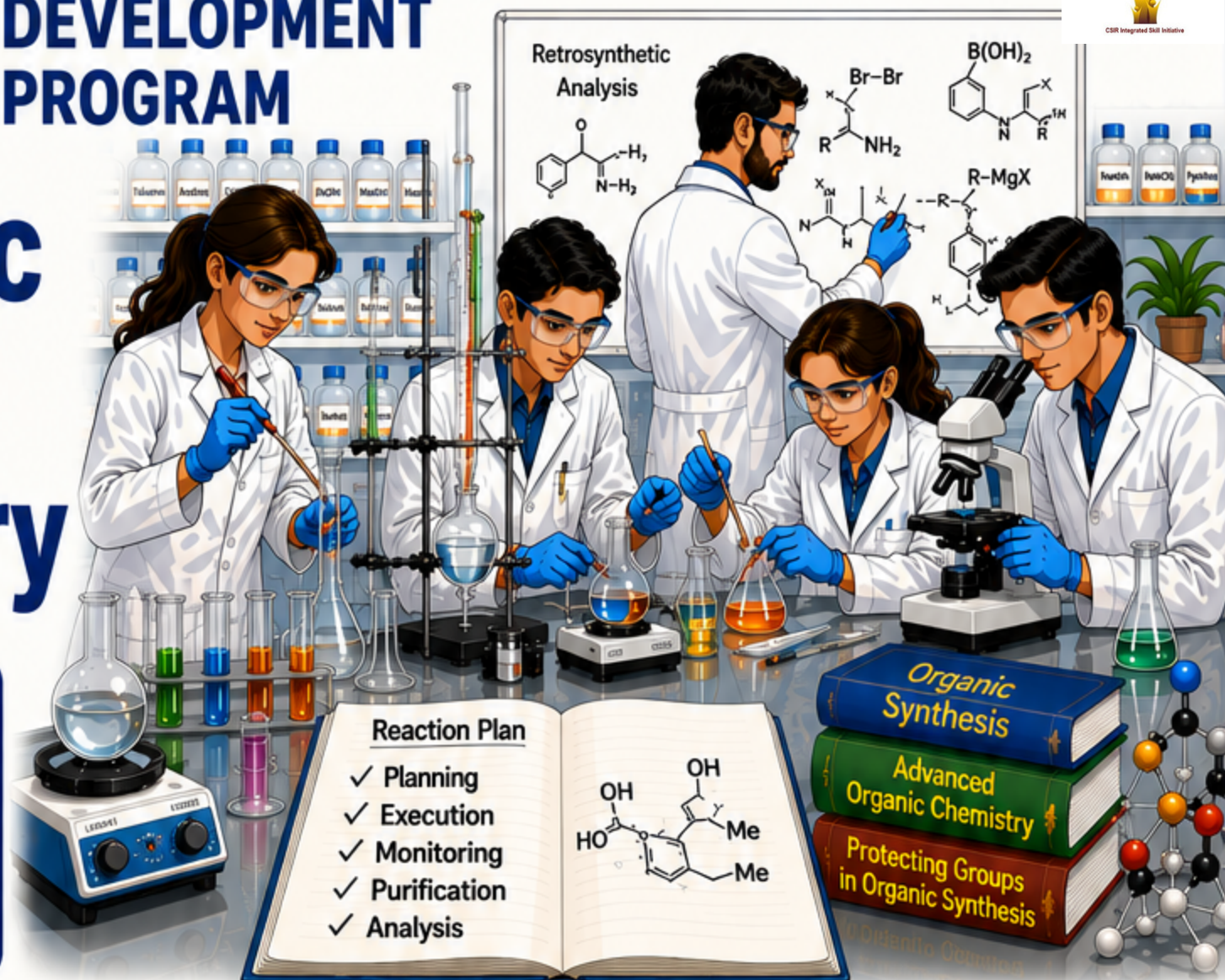
CSIR-NCL SKILL DEVELOPMENT PROGRAM



Synthetic Organic Chemistry

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WHY CHOOSE US

Here is the reason why

- More weightage on hands-on practice
- Interactive sessions
- Robust & sustainable training module
- Affordable fee structure
- Brief on career options
- Networking

<https://nclsdpc.ncl.res.in/>

ncl.sdpc.ncl@csir.res.in

CSIR-National Chemical Laboratory,
Dr. Homi Bhabha Road,
Pashan, Pune-411008

ABOUT COURSE

Organic synthesis is the toolbox for building molecules impacting every industry, such as pharmaceutical, food, agriculture, polymers and materials, dye, perfumes and cosmetics etc. Synthesizing known molecules via sustainable chemistry as well as new molecules with improved properties greatly impacting the modern society and economy. Practical knowledge on organic synthesis and handling of state of the art facilities is the pre-requirement to contribute to this field. This course provides a hands-on experience of how the planning, designing, execution, and analysis are done in sync to achieve synthetic goals. After completing the course, the candidate will be able to plan and execute the most commonly practiced and advanced organic transformations in lab scale under a safe environment independently.

COURSE CONTENT

Students will be working in some of the established groups for hands-on training for various organic transformation and execution of multistep synthesis. The training will be carried out following proper planning and safety requirement, setting up the reactions under direct guidance, reaction monitoring, product isolation and purification, and analysis of product(s) formed. The experiments and its analysis will be documented for reference.

As a prerequisite, in the first two weeks, the students will undergo hands-on training for laboratory safety, safe practices with laboratory chemicals, literature data mining, analytical data processing and proper record keeping.

COURSE DETAILS

Duration- 15 weeks

Dates- 21st September to 25th December 2026

No. of Seats- 20

Eligibility- M. Sc
(Org. Chem or Med. Chem)

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

COURSE INSTRUCTOR

Scientist's of Organic Chemistry
Division, CSIR NCL

COURSE FEES

Participants - 17,700 /-
(The fees stated include 18% GST)
Accommodation- 15 weeks + 2 days
with affordable charges

HOW TO APPLY

Application form is available at -
<http://www.nclindia.org/files/SDP/Default.aspx>

<https://nclsdpc.ncl.res.in/>