

## Certificate Course on X-ray Crystallography (small molecules )

**CODE: IICB-XRD-SM**

CSIR-IICB offers a training course in “X-ray crystallography” to generate to generate skilled human resources for chemical and life science sector, especially pharmaceutical industry. The course is specially targeted to candidates having chemical/pharmaceutical background with a basic knowledge in chemistry.

<b>Educational Qualifications</b>	: UG or PG (in any branch of Science/Technology/Pharmacy) (Pursuing/ Completed degree)
<b>Venue Of the course</b>	: CSIR-IICB
<b>Age Group</b>	: 18 and above
<b>Medium of Instruction</b>	: English
<b>Venue</b>	: CSIR-IICB, Jadavpur Campus
<b>Duration</b>	: 2 weeks((16 <sup>th</sup> February 2026-27 <sup>th</sup> February 2026)
<b>Course Fees</b>	: Rs 5000/- (Inclusive of GST)

### The course will cover-

- ✓ To train the participants on how to solve the molecular structure with X-ray diffraction
- ✓ Training Curriculum:
- ✓ A short introduction to the basics of X-ray crystallography and crystal structure determination
- ✓ Basic training in x-ray diffraction data collection of crystals
- ✓ Extensive training in molecular structure determination with the computer programs

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### Salient Features of the course:

- ☐ Equal priority to theory and practical sessions
- ☐ Tutorials will be provided by eminent scientists of organic and medicinal chemistry background
- ☐ Hands-on training on relevant instruments
- ☐ Professional skill development, case study, evaluation and certification
- ☐ Lectures, assisted with multimedia aids
- ☐ Case studies
- ☐ Group discussions/interactive sessions
- ☐ **Seats Available : 10 (Shortlisting will be based on first come-first serve policy and eligibility criteria of the course)**
- ☐ Due to limited availability of seats, early registration through online application is recommended .
- ☐ **Candidates can apply for multiple courses. In such cases, shortlisting will be based on fulfilment of eligibility conditions, availability of seat and number of single choice applicants for the course**
- ☐ Admission process is completely online including the payment of fees.
- ☐ Once a candidate is shortlisted for a particular course, any request for change of course will not be accepted .
- ☐ Candidates cannot take admission simultaneously in two different courses
- **Refunds to the enrolled candidates will be made by the institute in case of cancellation of the course due to low batch strength. Such candidates will be informed about withdrawal of course and refund of fees within stipulated time.**