



CSIR-Indian Institute of Chemical Technology
(Council of Scientific and Industrial Research, New Delhi)
Uppal Road, Tarnaka, Hyderabad-500 007

Advertisement No. 2/2018

**Invites applications for Certificate Course on Basic Cheminformatics
Under CSIR Integrated Skill Initiative**

Under CSIR-Integrated Skill Initiative, a Certificate Course on Basic Cheminformatics for B.Sc and B.Pharm. students is being offered under SKILL DEVELOPMENT Training at CSIR-IICT and online applications are invited from qualified and eligible candidates.

About the course

Cheminformatics is a rapidly evolving science that drives Chemical Science Research and addresses key issues in Chemistry using the power of Computation. Basic Cheminformatics Training covers 30 hours of (10 days) theoretical and practical aspects related to computational modeling of compounds, properties, activities and chemical reactions. Students will be introduced to chemical databases, open source software applications and data mining during the course.

The course outlines:

- *Theory*: Basic understanding of Chemical Space, Chemical properties, chemical reactions and chemical databases
- *Practical*: Manipulation of chemical structure, chemical reactions, chemical activity, prediction of drug likeliness and chemical properties, Chemical structure and substructure search

Course outcomes:

At the end of the course, a student will be able to:

- Investigate chemicals and materials that are not practical for laboratory analysis.
- Model individual molecules or behaviors of chemical compounds within the natural world.
- Work with databases to catalog, categorize, organize, and search the structures of chemicals.
- Complement laboratory experimentation with computational chemistry

- Develop information-storage solutions at the molecular level.

Intake of candidates: Maximum intake of the candidates is 30.

Course Fee: Rs. 10,000/- (Rupees Ten Thousand Only) + GST as applicable. Fee paid once, will not be refunded under any circumstances. The course fee does not include the hostel accommodation.

Certification: A certificate will be issued by CSIR-IICT, Hyderabad after successful completion of the course.

Selection process

The candidate selection will be based on GOI rules. The short-listed applicants will be called for an interview (No TA/DA will be paid). Prospective students for the Basic Cheminformatics Training will be expected to be enrolled in or completed a Bachelor's degree Chemistry/Pharmacy or Biological Sciences. A basic background in computer operation and internet is desirable. Out station students will be provided accommodation at CSIR-IICT on prior request and chargeable basis.

How to apply

The online application form is available on CSIR-IICT website (www.iictindia.org). For more details please contact at sdp@iict.res.in

Dates to remember

Last date for receiving applications:	November 17, 2018
Display of the short-listed candidates:	November 21, 2018
Date of interview:	November 30, 2018
Display of list of selected candidates:	December 4, 2018
Start date of program:	December 10, 2018