



# SURENDRANATH EVENING COLLEGE

[Established in 1961]

Affiliated to the University of Calcutta

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(NAAC Re-accredited in 2016)



Ref. No. : .....

## NOTICE

Date : 17.04.2025 .....

An Add-on/Certificate Course on “**Application of ChemDraw and Microsoft Excel in Chemistry**” will be organized by the Department of Chemistry in association with IOAC, Surendranath Evening College on and from 28.04.2025.

Those who are interested to join the course are requested to collect the registration forms from the department of Chemistry and do their registration as early as possible.

Prerequisites: Passed H.S. or equivalent with Science background in +2 Level.

*Manabendra Saha*  
17.04.2025  
Dr. Manabendra Saha  
HOD, Department of Chemistry

*Dr. Jafor Ali Akhan*  
17.04.25  
Dr. Jafor Ali Akhan  
Principal, SNEC

Principal  
Surendranath Evening College  
Kolkata - 700009



30 HOURS ADD ON/ CERTIFICATE COURSE  
ON

## **Application of ChemDraw and Microsoft Excel in Chemistry**

ORGANIZED BY  
DEPARTMENT OF CHEMISTRY  
IN COLLABORATION WITH IQAC  
SURENDRANATH EVENING COLLEGE

**Duration: 28/04/2025 to 16/05/2025**

**Time: 4 pm to 6 pm**

**Venue: Chemistry Gallery**

### **OBJECTIVES**

Learners will be enriched with basic and advanced applications of ChemDraw and Microsoft Excel. Both the softwares are relevant to chemistry and helps the chemists to draw molecular structures, predict the physiochemical properties of the drawn molecules. Thus the said two softwares will help the learners to write scientific literatures consisting of chemical formula and structures.

## COURSE DESIGN

SI No	Title	Content
1	Context	In order to meet the demand of Under Graduate level students of science background entering into the next phase of higher education and writing scientific literature and making them compatible in the job market
2	Prerequisite	Current undergraduate students from science stream
3	Course objective	this course provides good training for student interested in writing and publishing scientific literature
4	Career prospect	Enhancement of employability and development of basic skills for jobs in publishing house and free lancing.
5	Faculty requirement	Internal (Dept. of Chemistry)
6	Course fee	Nil
7	Intake Capacity	30
8	Contact hours	30 hrs
9	Class duration	28.04.2025 to 16.05.2025
10	Course Outcome	Opportunity to enter in publishing house

For Registration contact  
Dr. Manabendra Saha, Department of chemistry.  
Email: [manabendrasnec@gmail.com](mailto:manabendrasnec@gmail.com)

## COURSE CONTENT

Module-1: Chemdraw Applications	Module -2: Microsoft Excel Applications
Installation and applications and Usage of ChemDraw tools	Introduction to Microsoft Excel in Chemistry
Drawing of Chemical molecules and Conversion of the structures into IUPAC name and vice versa	Basic Excel Functions for Chemists
Determination of stereochemistry, molecular weight, chemical formulae, bond length and bond angles.	Data Analysis Tools in Chemistry and Data Visualization
Conversion of the 2D structures to 3D	Advanced Excel Tools in Chemistry
Export and import chemical molecules	Case Studies and Applications

### ASSESSMENT/EVALUATION STRATEGY

Continuous assessment	20
Practical and presentation	20
Attendance	10

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Total	50
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