



SURENDRANATH EVENING COLLEGE

[Established in 1961]

Affiliated to the University of Calcutta

24/2, MAHATMA GANDHI ROAD, KOLKATA - 700 009
Phone : 033 2985-9011, E-mail : snevening@ymail.com

Website : www.surentranatheveningcollege.com

(NAAC Re-accredited in 2016)



Ref. No. :

NOTICE

Date :
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 IQAC, Surentranath 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
Surentranath 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

Sl 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

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

Total	50
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