

# Add-on Certificate course offered by The Department of Chemistry, Kulti College



Course Title: *“Multifaceted application of Chemistry in daily life: practical usage”*

Duration: 40h (4 classes per week)

\*Starting on: 03.12.24.

Course co-Ordinator:

Dr. Tista Sengupta (Assistant Prof. of Chemistry)

Jyoti Hazra (SACT-II)

Madhumita Mondal (SACT-II)

\*Last date of registration: 02.12.24.

Registration fees: NIL

Medium of Interaction: Bengali/English/Hindi

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Chemistry is the essence of everyday life. From common salt to cutting-edge technologies, from toothpaste to COVID-19 vaccine, application of chemistry is far and wide. This add-on course will confer few engaging topics of daily chemistry like drugs, cosmetics, daily commodities, forensic science and toxicology along with some hands on practical experiments.



## Brief outline of the course:

**Duration: 40 h (4 classes per week)**

- 1. Drug design and some common drugs: paracetamol, aspirin, ranitidine, vaccines and more.
- 2. Daily commodities and the chemistry behind: soaps, detergents, food preservatives, artificial sweeteners, food colours, paints etc.
- 3. Cosmetics and their chemistry: sunscreen, dyes, hair styling agents etc.
- 4. Forensic chemistry and toxicology.
- 5. Practical: Determination of hardness of water from different water samples of Kulti and Asansol area.

### Assessment/Examination:

- MCQ
- Poster presentation

### Certification:

After completion of all 40 classes and assessments a student will be awarded a certificate from Kulti College.