

Report on the First and Second Add-on Courses
organised by the
Department of Chemistry

OBJECTIVE

Our daily lives can't be thought without the footprint of Chemistry. Chemistry not only deals with the laboratory chemicals but also most of the domestic items those we use in our day to day life from getting up at dawn to retiring to bed at night have obviously a relation with chemistry. Literally, students learn chemistry through lectures in classes, reading books, doing laboratory experiments, but the use of chemicals and instruments, but they mostly remain unaware of the relevance in their daily life. We, the teachers of department of chemistry feel it extremely necessary that our students should be exposed to some simple but interesting procedures based on the theoretical knowledge for the preparation of number of domestic chemical items required for our daily use.

With the above objective, the Department of Chemistry organised two Add-on courses in the previous academic session (2023-2024).

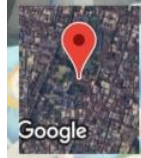
First Add-on Course

The department of chemistry organised an Add-on certificate course for the first time entitled “HANDS-ON IN-LABORATORY TRAINING FOR PREPARATION OF HOUSEHOLD CLEANING CHEMICALS” that started from 18.03.2023 and ended on 30.09.2023 through the certificate distribution ceremony. The course was designed for sem-4 and sem-6 Chemistry Honours Students. A total of 18-20 of students joined and successfully completed the course. The course coordinator was Dr. Anil Kr. Barik. Two faculty members Dr. Ankan Sanyal and Dr. Biswajit Pal discussed the theoretical basis of surfactants that play the vital role in cleaning products. The course time was on Saturday beyond the college hours, i.e. from 2.30 P.M. to 5.30 P.M., as well as sometimes on holidays. The total time period of the course was 32 hours. There were 10 modules in the course content, with each module of 3 hours duration. A total of 2 hours was allotted for overall theoretical classes. White Phenyl, Blue Harpic, Dishwash liquid soap, Car Shampoo, Floor Disinfectant liquid, Glass cleaner, Nail Paint remover etc. were the few among a number of household cleaning products prepared by the students.

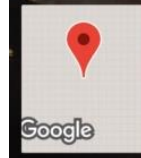
Upon completion of the course, each participant submitted a report on the experiments and collected the certificate at the valedictory session on 30.09.2023 at Sesquicentenary Hall at 2 P.M. It is to mention that some of the daily needed products prepared in this Add-on course were being used in the college premises for the purpose of cleaning of the campus environment.

Glimpses

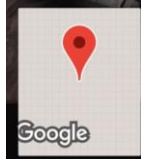




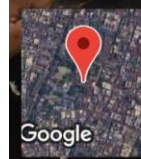
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Second Add-on Course

The Department of Chemistry introduced the second Add-on course “LABORATORY TRAINING FOR PREPARATION OF SKIN CARE PRODUCTS” spanning over a period of 02.12.23 to 20.04.24. The course duration was of 32 hours coordinated by Dr. Anil Kr. Barik, a faculty member of the department. The course content consisted of ten modules. Each module was of 3 hour duration with an extra two hours for theory discussion by Dr. Biswajit Pal of the same department. The course was designed for Sem-IV B. Sc. Students of our college. As a response, fourteen students of Chemistry branch along with three students from Microbiology department enrolled themselves in this programme. The classes were basically held on Saturdays, sometimes on weekdays beyond the college hours. The students enjoyed a lot in experiencing the hands-on training in the laboratory. They were the primary consumers of the products they prepared. Some of the products prepared in different modules were premium quality Hand wash, milky white Face wash, Beauty cream, Hair conditioner and many more. At the end of the course, every student submitted a hard copy of the write-up on the modules.

There was a joint closing ceremony on 20.04.24, where the participants of the Add-on course organised by the Department of Chemistry as well as Department of Physics were handed over the completion certificates.

Glimpses



