AN ACADEMIC VISIT TO THE INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE (IACS)



St. Paul's Cathedral Mission College

33/1 Raja Rammohan Roy Sarani, Kolkata-700 009 NAAC ACCREDITED AISHE ID C-11869





DEPARTMENT OF CHEMISTRY

ACADEMIC YEAR: 2024-2025

INTRODUCTORY REMARK

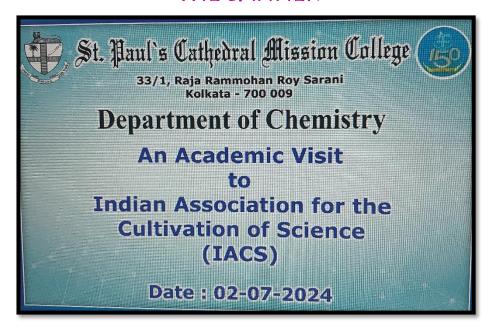
During the study of the Undergraduate Honours course in Chemistry, students gradually become familiar with the names and working principles of various instruments which are used for the characterization purposes. They also study the importance of regulation of reaction conditions for obtaining specific reaction products. Since the undergraduate colleges are not equipped with upgraded research laboratory and the sophisticated instruments, the students remain deprived of hands-on training relevant to research. This paucity eventually creates a sizeable gap in their proper understanding regarding the "synthesis" and "characterization" process of the chemical compounds.

Therefore, I think that, it is utmost necessary for the Honours students to visit the Research institutions in order to gain an idea of the state-of-the-art research laboratory and the sophisticated instruments that are used for various characterization purposes. In an attempt to provide that opportunity to our students, we were fortunate enough to visit one of the premier research institutes of India, Indian Association for the Cultivation of Science (IACS) on O2.07.24. The students were introduced with various highly advanced spectroscopic instruments. They also visited a few ultramodern research laboratories and the unique glass-blowing unit. Unequivocally, the students were much benefited and the outlook to cultivate their subject is expected to evolve to a different dimension. The satisfied faces of the young aspirants really made our visit worthwhile.

Finally, I cordially wish every success in their future endeavours.

Dr. Jaydip Gangopadhyay HOD of Chemistry St. Paul's Cathedral Mission College Kolkata 700009

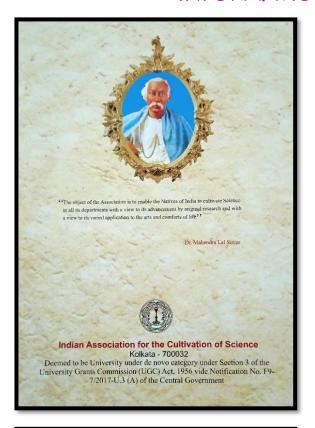
THE BANNER

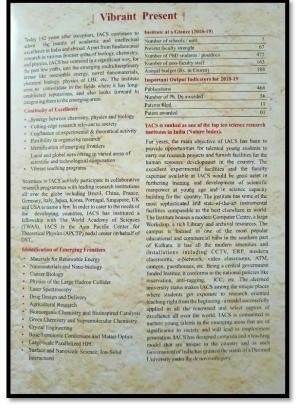


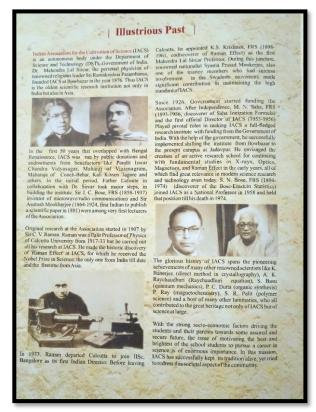


FACULTIES AND STUDENTS AT THE ENTRANCE OF THE COLLEGE WITH THE BANNER

INFORMATION BROCHURE OF IACS









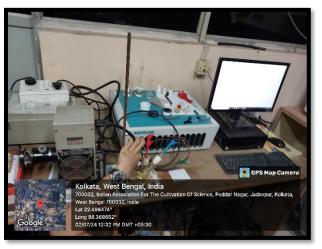
SOME GLIMPSES OF THE VISIT



INSIDE THE C.V. RAMAN LECTURE HALL

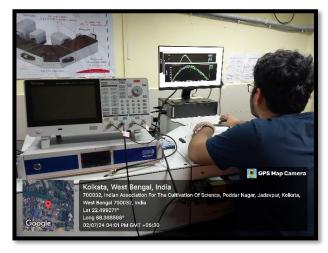






INSIDE A LAB OF IACS

ELECTROCHEMICAL SETUP OF CYCLIC VOLTAMMETRY



ARBITRARY FUNCTION GENERATOR OF PHOTOLUMINISCENCE SPECTROMETER





INSTRUMENTATION OF MÖSSBAUER SPECTROSCOPY INSIDE A RESEARCH LAB OF IACS



IN THE GLASSBLOWING SECTION





REFRESHMENT





VIDEO SESSION OF RAMAN EFFECT





IN THE LIBRARY OF IACS

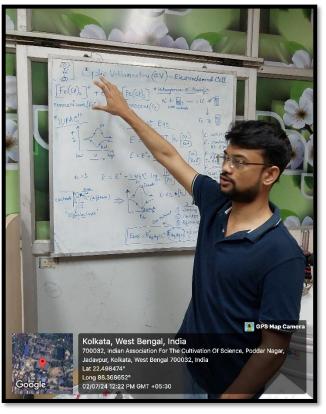




THE BUST OF PROF. C. V. RAMAN

UV-VIS SPECTROMETER





400 MHz NMR SETUP

A PhD SCHOLAR EXPLAINING THE BASICS OF CYCLIC VOLTAMMETRY



SINGLE CRYSTAL XRD











ARCHIVE SECTION OF IACS