



SARASWATI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Managed by Shree Saraswati Education Sansthan –Gujarat)

Recognized by the Government of Gujarat & Affiliated to Gujarat Technological University, Ahmedabad Approved by the All India Council of Technical Education (AICTE) & Pharmacy Council of India (PCI), New Delhi

Re-Accredited by: National Board of Accreditation – NBA (B. Pharm, 2024-2027)



DATE: 27/12/2024

NAME OF SPEAKER	Dr. Ashok B. Patel (Associate Professor,GCP,Gandhinagar)
TOPIC	Expression of Concentration and Concept of Preparation & Standardization of Solution
DATE	17/12/2025
TIME	12:30 pm to 02:00 pm
NO OF ATTENDEE	74

Report

A guest lecture on “Expression of Concentration and Concept of Preparation & Standardization of Solution” was organized by saraswati Institute of Pharmaceutical Sciences, to strengthen students understanding of fundamental concepts in analytical and solution chemistry. The lecture aimed to bridge theoretical knowledge with practical laboratory applications.

The speaker first explained the expression of concentration and its importance in chemistry. Different ways of expressing concentration were discussed, such as molarity, molality, normality, mole fraction and percentage concentration. These methods help in calculating the amount of solute present in a solution and are widely used in laboratory work. Next, the speaker discussed the preparation of solutions. The correct steps for preparing solutions of a known concentration were explained, including accurate weighing of chemicals, proper measurement of liquids and the use of laboratory glassware like volumetric flasks, pipettes and burettes.

The lecture then covered the standardization of solutions. Sir explained why standardization is necessary and described the use of primary and secondary standards. The process of standardization using titration and the importance of identifying the correct end point were also explained in a simple manner. The session was interactive and very useful in improving students’ understanding of solution preparation and analysis.

Prepared By:

Ms. Krutika A. Poshiya

Ms. Kruti Bhatt

Dr. Aman Parashar



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GPS Map Camera

Gandhinagar, Gujarat, India 

Nh-8 Dhanap, Near Anjali Inn Hotel, Gandhinagar, Gujarat
382321, India

Lat 23.272083° Long 72.757517°

Wednesday, 17/12/2025 01:55 PM GMT +05:30

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