

VPM's B.N. Bandodkar College of Science (Autonomous), Thane (W)

Department of Chemistry

Name of the activity	Certificate Course in Instrumentation and Preparation of Standard Solution
Objectives of the activity	1. To provide a wide spectrum of knowledge, skills in preparing a (maximum 40 words) standard solutions of different concentrations with minimum errors and maximum accuracy 2. To build up confidence and skills in them in handling any instrument used in various estimations 3. To review the basic principles of the analytical procedure and instruments commonly used in industries such as analytical terms and tools, calibration of glassware, theory of indicators etc.
Organizing Departments	Department of Chemistry
Date	14/12/2022 ,15/12/2022 and 17/12/2023
Venue	Department of chemistry Senior Chemistry Laboratory and Physical Chemistry Laboratory
Mode	Offline
Details of Research Person	1 Dr. A. S. Goswami-Giri (Head, Dept. of Chemistry, BNBCS) 2 Dr. A. N. Bhumkar (Asstt. Prof, Dept. of Chemistry, BNBCS) 3 Dr. P. S. Wagh (Asst, Prof, Dept. of Chemistry, BNBCS) 4 Dr. S. S. Kahandal (Assi. Prof, Dept. of Chemistry, BNBCS) 5 Dr. R.Y. Mandhare (Assi. Prof, Dept. of Chemistry, BNBCS) 6 Ms. A. R. Torkadi (Assi. Prof, Dept. of Chemistry, BNBCS) 7. Ms. Amruta Magare (Assi. Prof, Dept. of Chemistry, BNBCS) 8. Mr. Arun Govind 9. Mr. Satish Shinde

	Ms Akshata Singh
Key Recipients	Students and non-teaching staff
Remarkable Outcome	<ul style="list-style-type: none"> • Students plot accurate graphs with minimizing errors in the sampling testing. • They can evaluate of exact amount or strength of selected components present in unknown samples. • They can prepare various reagents with accurate results and can calculate the dilution factor • They can prepare buffers, solvents and handle instruments. • Students will acquire skills that they require while seeking jobs and sharpen their knowledge and need to understand • Concepts and issues at their workplace.
Details of Participants	<ul style="list-style-type: none"> • Bandodkar College Teaching and Non-teaching staff • Students from Chemistry Department
Total Number	60
	Teaching: 7 Non-teaching- 10 Students: 13
Additional information	Demonstrations of instruments/ techniques used in industries and R&D labs. This will help to bridge the gap between regular Academics and industries.
Name of the Incharge:	Dr. Anita Goswami_Giri

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