



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

**SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)**

EVENT REPORT

NAME OF THE EVENT: Skill Enhancement in Instrumentation techniques			
DATE	DEPARTMENT	COMMITTEE/SOCIETY	COORDINATORS' NAME
15-02-2023	CHEMISTRY	The Chemical Society	Prof. Sharda Pasricha
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor; online/offline/hybrid
10:30am onwards	University Scientific and Instrumentation Centre (USIC), University of Delhi, North campus	24	Outdoor, Offline
FINANCIAL SUPPORT/ASSISTANCE (if any):	N.A.		

BRIEF INFORMATION ABOUT THE ACTIVITY



TOPIC/ SUBJECT OF THE ACTIVITY	“Skill Enhancement in Instrumentation techniques” at University Scientific and Instrumentation Centre (USIC), Science faculty, University of Delhi, North campus.
OBJECTIVES	The main objective behind organising this visit to University Scientific and Instrumentation Centre was to give student an insight into various instrumentation techniques like X- ray diffraction, electron microscope, SEM, TEM, UV-Visible, IR, NMR etc. for enhancing the instrumentation skills of the students.

METHODOLOGY	Face to face interaction with the students and question-answers with the institute professors and technical staff.
OUTCOMES	The students got an opportunity to see the working of different instrumentation techniques like SEM, TEM, X-ray diffraction, UV-Visible, IR, NMR etc. The students also got to learn the detailed working of these instrumentation techniques through experiential learning .

PROOFS AND DOCUMENTS ATTACHED

1 Notice & Letters ✓	2 Number of Participants & Name of participants ✓	3 Video clip -	4 Photos ✓	5 Feedback Form & analysis -
6 News clip with details -	7 Sample Copy of the Certificate -	8 Posters/ Invites ✓	9 Event report Attested by Event Coordinator & IQAC Coordinator ✓	10 Any other document

IQAC Document No: IQAC/SVC/2022-2023/CHEM/05	Criterion No: 2,3
Departmental file no: CHEMISTRY/2022-2023/CHEMSOC/05	IQAC file No: SVC/2022-23


NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Prof. Sharda Pasricha 	Prof. Sharda Pasricha 	Prof. Swarn Singh

REPORT

Rasagya, The Chemical Society of Sri Venkateswara college organized “**Skill Enhancement in Instrumentation techniques**” visit to University Scientific and Instrumentation Centre (USIC), Science faculty, University of Delhi, North campus. The visit was organised on 15 February, 2023 at 10:30am. The students assembled at the venue and then were divided into 3 teams for practical knowledge of different instrumentation techniques like SEM, TEM, X-ray diffraction, UV-Visible, IR, NMR, etc.

The first technique that was demonstrated was FE-SEM wherein students were shown magnified pictures of a sample that had come for testing. This was followed by LC-MS wherein they were explained the detailed working of Liquid chromatography and mass spectrophotometer. After that they were shown CHNS analyser. Using this technique, the percentage of different elements i.e. Carbon, Nitrogen, Hydrogen, sulphur and oxygen present in the sample can be determined. After that the X-Ray diffraction technique was demonstrated to students. FT-IR or Fourier Transform Infrared spectroscopy was also demonstrated after that using a sample that came for testing. Lastly, a practical demonstration of NMR using the samples present for testing was done and technical staff explained the working principle of the instrument in detail. The visit concluded with refreshments for the teachers and students.

Permission Letter:



Sri Venkateswara College
(University of Delhi)
NAAC (B) 10/17


PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.
2. Please ensure a pre booking of the venue before getting the permission letter signed.
3. A copy of this duly filled form signed by the TIC/ Convener and Principal shall be submitted to ICT, Caretaker and IQAC Coordinator, Dr. Arpita Kaul for commerce and NSS, NCC, Placement and Sports events, Dr. Jitesh Rana for humanities events, Dr. P. Jayaraj for sciences events.

EVENT DETAILS

1. Name of the Department/Society /Association: CHEMISTRY
2. Name of the TIC/Convener (if any): Prof./Dr./Mr./Ms. SHARDA PASRICHA
3. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or community outreach/ skill enhancement/others..... SKILL ENHANCEMENT.....
4. Participants: Student-centric /Faculty/Both Student-centric /Faculty/Both
5. Event Type: Offline/Online/Hybrid; Indoor/Outdoor Offline/Online/Hybrid; Indoor/Outdoor
6. Collaborating Agency /Organization: USIC, UNIVERSITY OF DELHI
7. Proposed Title of the Event: "SKILL ENHANCEMENT THROUGH DEVELOPMENT OF INSTRUMENTATION SKILLS"
8. Tentative List of Speakers with affiliations:
9. Date, Time from to : 15-02-23
10. Financial Assistance/ Funding received (if any)NIL.....
11. Proposed Budget (please attach details in a separate enclosure):
12. Faculty responsible for Geo Tagged Pictures DY. PRAGYA GAHLOT
13. Faculty responsible for Event Report DY. VINITA KAPOOR
14. ICT support required, if any (ICT Lab, Laptop, LCD projector) NO
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) NO
16. Room requirement (Seminar/ any other)NO.....

Name & Signature of TIC/Convener 

Signature of Principal 

Date: 13.02.23 Date: 13/2/23

Information Brochure/ Poster:



SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI
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**RASAGYA:
THE CHEMICAL SOCIETY**

organizes

Skill Enhancement in Instrumentation Techniques

at

University Scientific and Instrumentation Centre
Science Faculty, University of Delhi (North Campus)

February 15, 2023 | 10:30 A.M

PS: You have to reach the venue on your own.

Highlights

- Introduction to various scientific instruments used in the field of Chemistry
- Demonstration of instruments like UV-Visible, NMR, SEM, TEM etc



PROF. C. SHEELA REDDY
PRINCIPAL

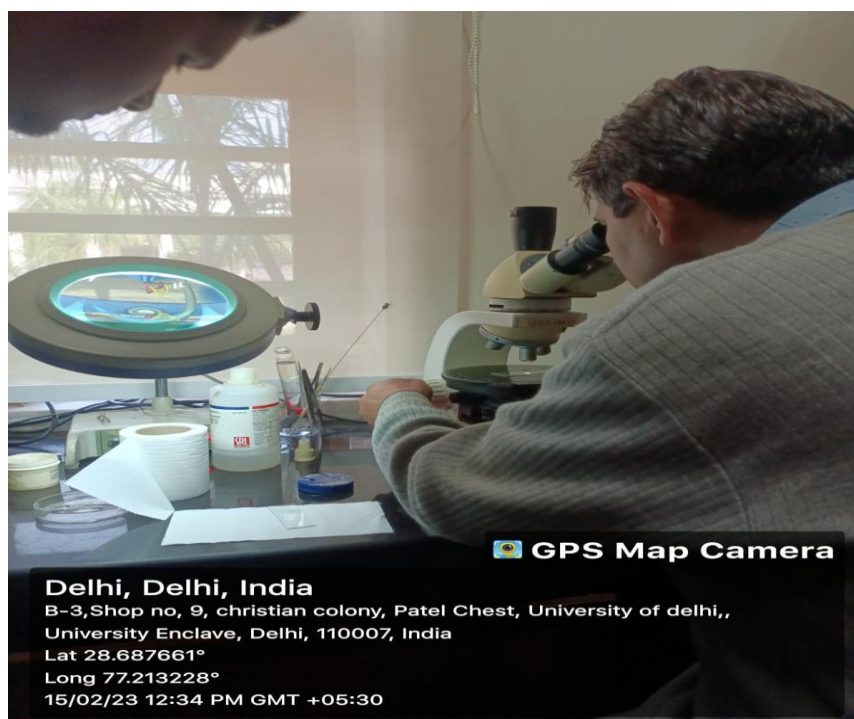
PROF. SHARDA PASRICHA
CONVENOR & TEACHER-IN-CHARGE

DR. PRAGYA GAHLOT
CO-CONVENOR

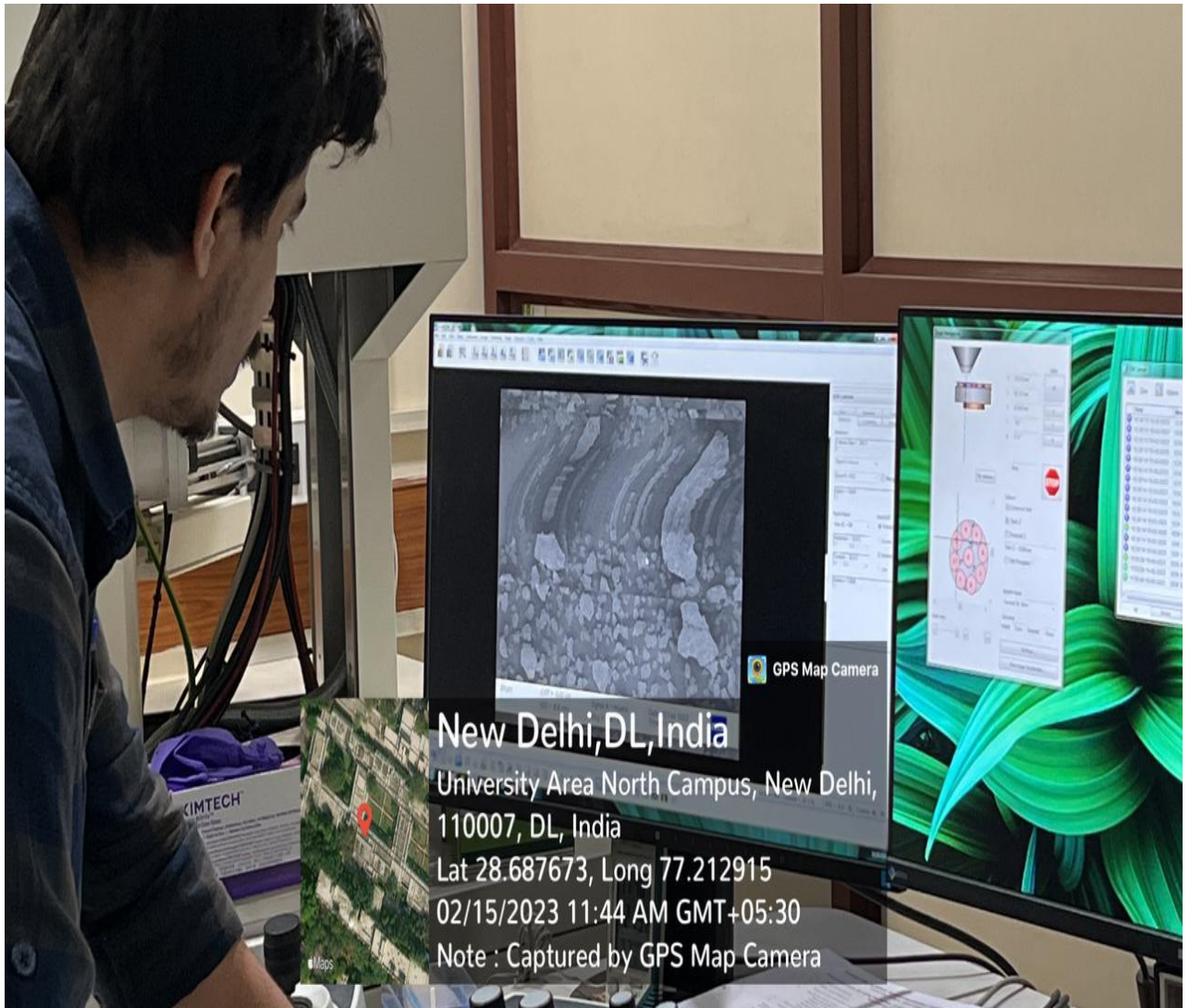
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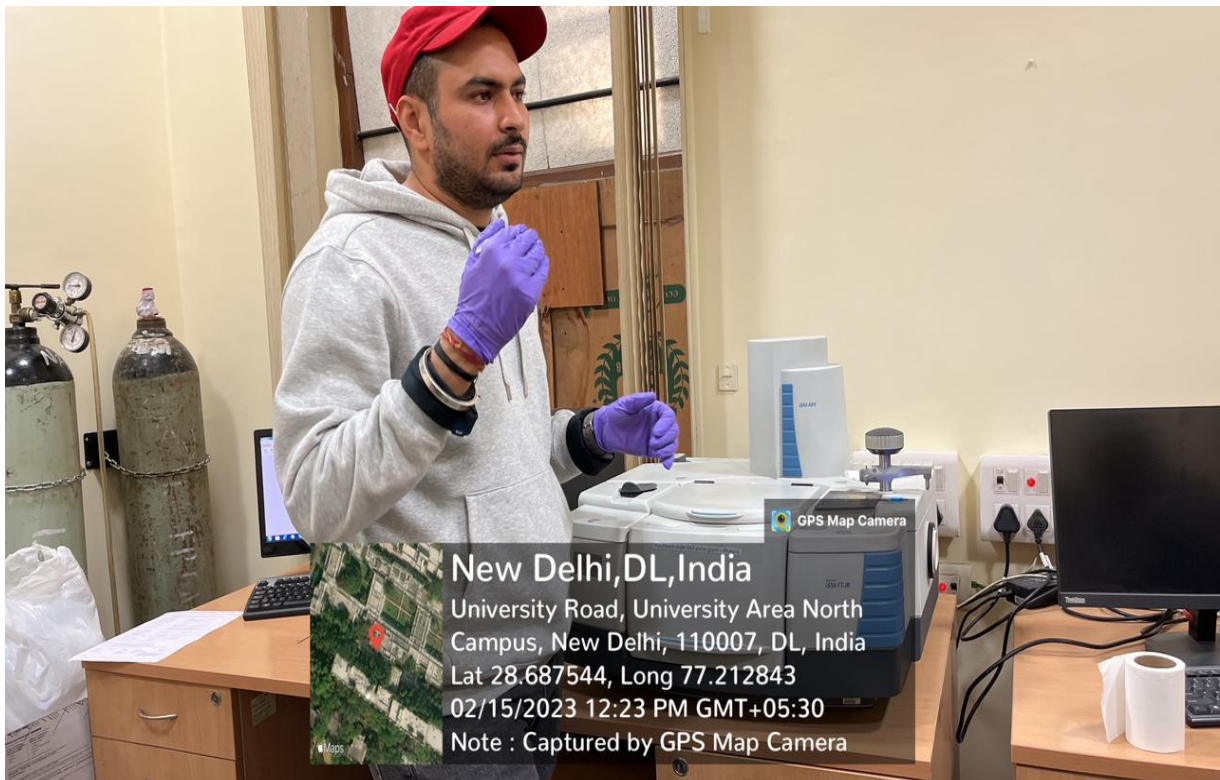
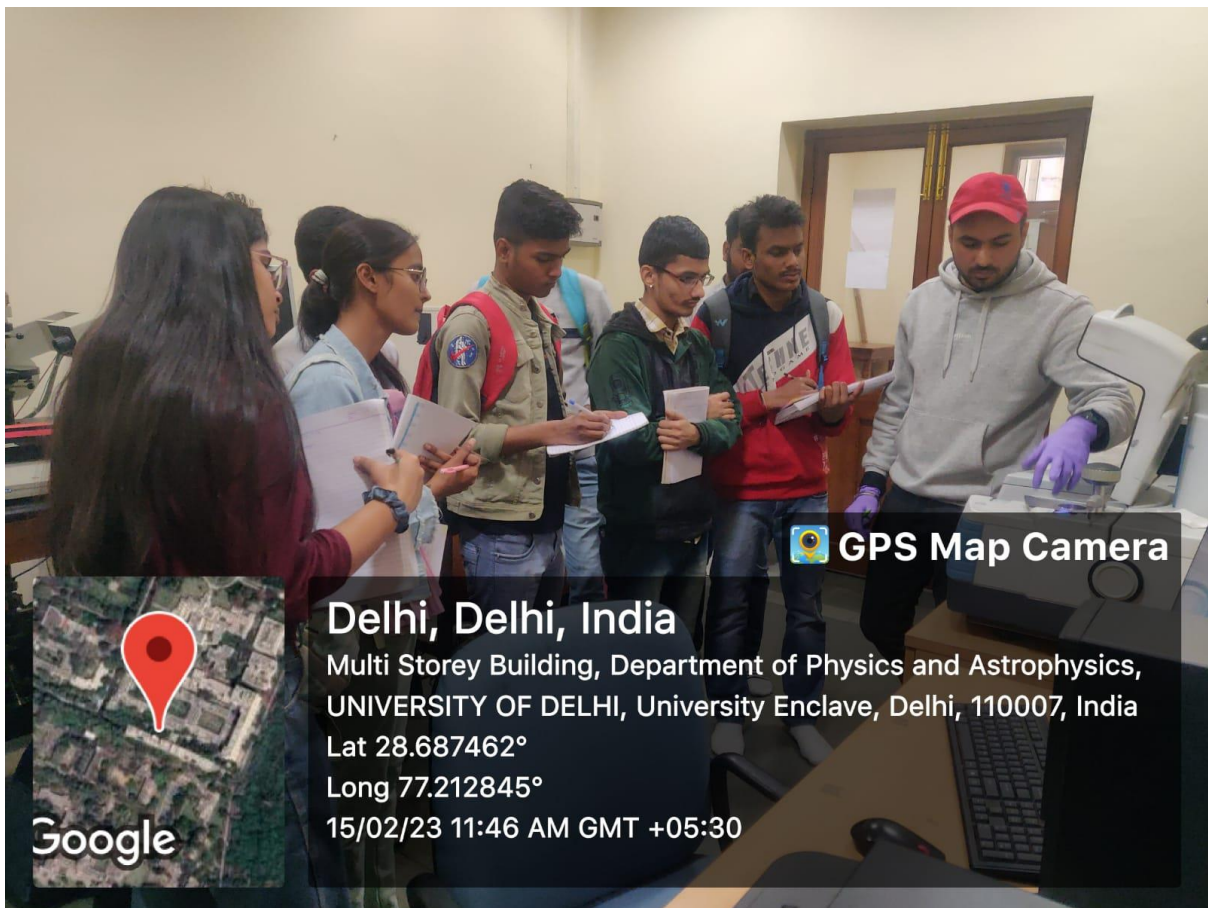
Nuclear Magnetic Resonance instrument (NMR)



Sample analysis using NMR



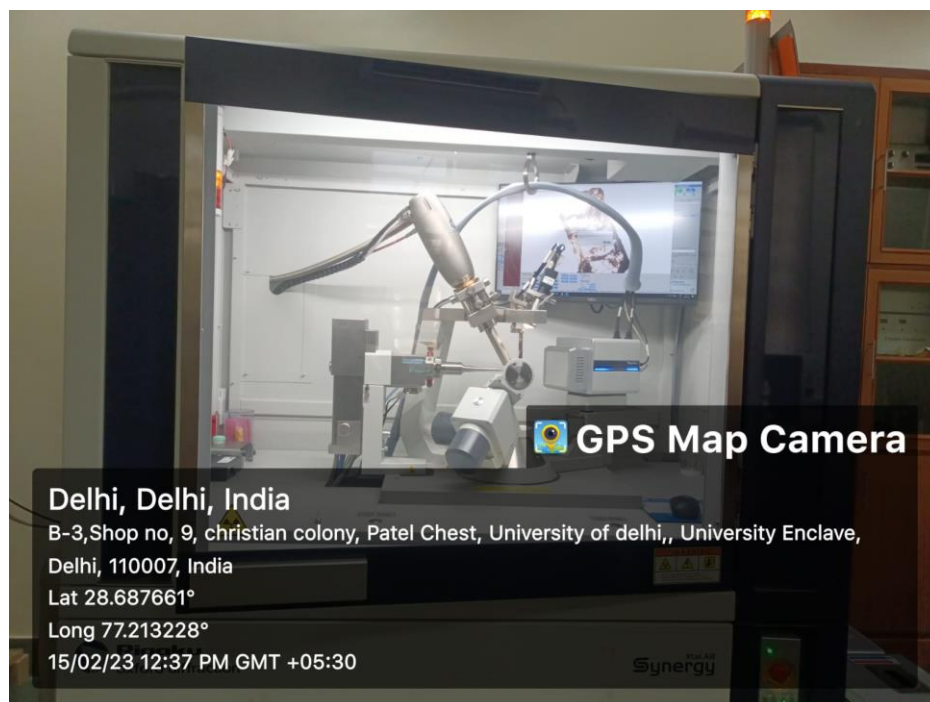
Magnified view of a sample using FE-SEM



Students being given detailed demonstration of FT-IR



Students being explained the FE-SEM technique



Instrument used for X-ray diffraction




Instrumentation for LC-MS



Group photograph of the Teachers and Attendees

Attendance Sheet (List of Student participants):



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ATTENDANCE SHEET

Name of the event: Skill Enhancement in Instrumentation Techniques

Date: 15 Feb 2023

Name of the Department/ Society: Rasagya: The Chemical Society

Event Coordinator: Prof. Sharda Pasricha

S. No.	Name	Roll no.	Signature
1	Amr Sunny	1520039	Amr Sunny
2	Arikta Baul	1520036	Arikta Baul
3	Divya	1520022	Divya
4	Mouli Srivastava	1520034	Mouli
5	Mansi	1520039	Mansi
6	Prapti	1520029	Prapti
7	Srujiti	1520009	Srujiti
8	Anish	1520032	Anish
9	Sunny	1520026	Sunny
10	Sweeta	1520002	Sweeta
11	Deepak	1520017	Deepak
12	Shikha	1520005	Shikha
13	Ankur	1520051	Ankur
14	Sahid	1520076	Sahid
15	Rahul	1520090	Rahul K.R.
16	Arjun	1520064	Arjun S.K.
17	Fardeen	1520014	Fardeen
18	Yash	1520080	Yash
19	Mayank	1520078	Mayank
20	Ankita	1520072	Ankita
21	Shweta Lamba	1520049	Shweta
22	Sagar	1520074	Sagar
23	Shivam	1520060	Shivam

S. No.	Name	Roll no.	Signature
24	Pallavee	1520071	Pallavee
25			
26			
27			
28			
29			
30			
31			

Completion certificate:



Tirumala Tirupati Devasthanams

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CERTIFICATE

This is to certify that an event "Skill Enhancement in Instrumentation Techniques" was successfully conducted on 15-02-2023 from 10:30 am -1:30 pm by Rasagya-The Chemical Society of SVC in the Offline mode in a visit to University Science and Instrumentation Centre (USIC), DU and its event report has been submitted to IQAC for records.

Event In-Charge

IQAC Coordinator

Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Dhula Kuan, New Delhi-110021

Principal

PRINCIPAL
Sri Venkateswara College
(University of Delhi)
Dhula Kuan, New Delhi-110021