#### HANSRAJ COLLEGE



### **University Of Delhi**

### NAAC Grade A++ with CGPA 3.71





Event: Chemistry Labs visit by the students of Springdales School, Pusa Road, Delhi

Organizing Department: Chemistry Department, Hansraj College

Event Convenor: Dr. Satish Chand

Resource Person: Dr. Satish Chand & Prof. Renu Parashar

Date: 16.07.2025

**Time:** 09:30 am - 12:00 pm

No. of students: 27

With the permission of our dynamic Principal ma'am Prof. (Dr.) Rama and Vice-Principal ma'am Prof. Vijay Rani Rajpal, a Chemistry Labs visit was organized by the Chemistry Department, Hansraj College, for class XI & XII students of Springdales School, Pusa Road, Delhi, on 16<sup>th</sup> July, 2025. Total 27 students along with two teachers attended this visit. They visited Chemistry Lab1, 2, 3, 4, 5 & 6. During the lab visit, students were familiarized with the different types of instruments and their working. They were also demonstrated some interesting activities.

They were shown the following instruments and apparatus:

- 1. Vacuum pump and Vacuum filtration.
- 2. Electronic Melting point apparatus & Kjeldahl flask.
- 3. Distillation set-up & Refluxing set-up.
- 4. Centrifuge Machines (Handy, normal speed & high speed) & Centrifugation.
- 5. Orbital shaker
- 6. Colorimeter
- 7. Digital pH-meter-cum-potentiometer
- 8. Digital conductometer
- 9. UV-Visible spectrophotometer
- 10. Visible spectrophotometer
- 11. Hot air oven
- 12. Muffle furnace.
- 13. Fume-Cupboard / Chamber
- 14. UV-Chamber
- 15. Flame-photometer etc.

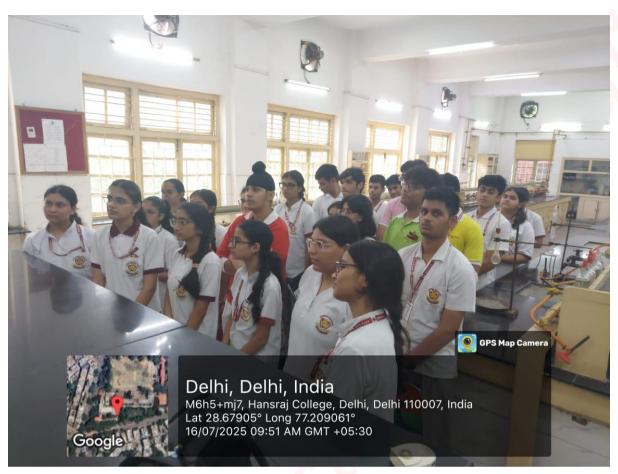
The following activities were demonstrated:

- 1. Chemistry of Indicators: Phenolphthalein. (Lab-5) (by Dr. Satish Chand)
- 2. Purification by distillation and determination of boiling point. (Lab-5) (by Dr. Satish Chand)

- 3. Differentiation between heating and refluxing. (Lab-5) (by Dr. Satish Chand)
- 4. Determination of Melting point using Kjeldahl method and Electronic Melting Point apparatus. (Lab-5) (by Dr. Satish Chand)
- 5. Working of UV-Visible Spectrophotometer. (Lab-6) (by Dr. Satish Chand)
- 6. Working of digital pH-Meter & Potentiometer. (Lab-3) (by Prof. Renu Parashar)
- 7. Differentiation between fluorescent compound and non-fluorescent compound using UV-Chamber. (Lab-3) (by Dr. Satish Chand)
- 8. How to check fake currency note using UV-Chamber. (Lab-3) (by Dr. Satish Chand)

## **Photographs of the Event:**











# **Attendance Sheets:**

s.N.	Name	Signature	Class (If Student)	Student/ Teacher
1)	Ayaan Agarwal	Again	XII-	stydent
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3)	Avni Sharma	Jour	XII	t <sub>I</sub>
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2)	Aakaisha Aarola	Ankaisha	XII	t <sub>1</sub>
3	Kaisa Kelyan	Sole	ZH-	h
14)	Anika Butani	Anina	XI	ħ
15)		highealth.	X	t <sub>1</sub>
16)	Kreteka Sharma	Kritika	XI	11
17)	Kanak Grupta	<u>Xanak</u>	XI	t <sub>1</sub>
8)	Saartha	boalde	XII	11
a)	Akshara Gupta	Abthara	XII	t <sub>1</sub>
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