

हंसराज महाविद्यालय

दिल्ली विश्वविद्यालय

महात्मा हंसराज मार्ग,

मलकागंज, दिल्ली -110007

दूरभाष : 011-27667458, 27667747

ई-मेल : principal_hrc@yahoo.com

वेबसाइट : www.hansrajcollege.ac.in



HANSRAJ COLLEGE

UNIVERSITY OF DELHI

Mahatma Hansraj Marg

Malkaganj, Delhi – 110007

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NAAC ACCREDITED 'A++' GRADE COLLEGE

2025-2026

Name of the Event: Design and fabrication strategies for low level detection capabilities in thin-film-based H₂ gas sensing technology

Organised by: SC/ST Cell, Hansraj College

Date of the Event: 10th November 2025

Name of Convener(s): Dr. B.K. Negi

Student Coordinator: Dr. Sonu Kumar

Event Description:

The SC/ST Cell of Hansraj College, University of Delhi, organized an insightful guest lecture on Advanced Sensor Technologies, offering an enriching academic experience for students and faculty.

The session featured Dr. Satyendra Kumar Mourya, Assistant Professor, Department of Physics, BITS Pilani, who presented his pioneering research on hydrogen gas sensing technologies. He discussed the design and fabrication of thin-film-based sensors using ZnO nanostructures and PdPt catalytic layers, achieving high efficiency and sensitivity.

Dr. Mourya explained how nanoengineering, surface modification, and cold plasma techniques enhance material performance. His study demonstrated a sensor with 84% selectivity for hydrogen gas at just 100°C, featuring fast response and long-term durability.

The lecture familiarized students with advanced characterization tools such as XRD, FESEM, and XPS, and highlighted the role of quantum calculations in optimizing sensor performance.

The event was coordinated by Dr. Sonu Kumar and convened under the guidance of Dr. Bal Krishan Negi. The dedicated SC/ST Cell team ensured smooth execution. The lecture provided a thought-provoking and academically enriching experience for all attendees.

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Pictures:



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Attendance:

S.NO.	NAME	ATTENDANCE COURSE	10/11/2025 YEAR
1	Brijmohan	BA (H) SANSKRIT	3rd
2	Veditya	BA PROGRAM	2nd
3	Diyakshi	B COM. (H)	2nd
4	Prathamesh	BA PROGRAM	2nd
5	Krish Badodiya	BA ENGLISH (H)	1st
6	Gungun	BA PROGRAM	1st
7	Christina Rajhans	BHA SANSKRIT (H)	3rd
8	Priyanka	BHA SANSKRIT (H)	3rd
9	Raj	BHA SANSKRIT (H)	3rd
10	Himanshu	BSC ZOOLOGY	2nd
11	Saniya Tomar	BSC ZOOLOGY	2nd
12	Khushal	BSC ZOOLOGY	2nd
13	Dev Joon	BSC ZOOLOGY	2nd
14	Sejal Vijayverajaya	BSC CHEMISTRY	1st
15	HIMANSHI	BSC CHEMISTRY	2nd
16	Saksham Tiwari	BSC CHEMISTRY	1st
17	Rachit	BSC CHEMISTRY	1st
18	Vinayak Mourya	BSC CHEMISTRY	1st
19	Harshit Ranjan	BSC CHEMISTRY	1st
20	Mukund	BSC CHEMISTRY	1st
21	Khistij Ranjan	BSC CHEMISTRY	1st
22	Ankur	BSC CHEMISTRY	1st
23	Shubhanker	BSC CHEMISTRY	1st
24	Aryanman	BSC CHEMISTRY	1st
25	Amrit Raj	BSC CHEMISTRY	1st
26	Anirudh Sharma	BSC CHEMISTRY	2nd
27	Riya Singh	BSC CHEMISTRY	2nd
28	Jigyasa Saxsena	BSC CHEMISTRY	2nd
29	Aashu	BA PROGRAM	2nd
30	Rahul	BSC CHEMISTRY	1st
31	Tushar	BSC CHEMISTRY	1st
32	Mukoond Sharma	BSC CHEMISTRY	1st
33	Yuvraj Singh	BSC CHEMISTRY	1st
34	Shiva	BSC CHEMISTRY	1st
35	Prince	BSC CHEMISTRY	1st
36	Yashpal	BSC CHEMISTRY	1st
37	Sunil Soni	BSC CHEMISTRY	1st
38	Raunak Biswas	BSC CHEMISTRY	1st
39	Harsh Sarow	BSC CHEMISTRY	1st
40	Nitish Kumar	BSC CHEMISTRY	1st
41	Yuvraj Saini	BSC CHEMISTRY	1st
42	Shivam kumar	BSC CHEMISTRY	1st

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43 Ritik Kr	BSC CHEMISTRY	1st
44 Shivam Choubey	BSC CHEMISTRY	1st
45 Prashant kumar Sharma	BSC CHEMISTRY	1st
46 Alka Kumari	BA PROGRAM	2nd
47 Tanupriya	BSC CHEMISTRY	1st
48 Seerat	BSC CHEMISTRY	1st
49 Sakshi	BSC CHEMISTRY	1st
50 Shreya	BSC CHEMISTRY	1st
51 Ujjwal	BSC CHEMISTRY	1st
52 Shreya	BSC CHEMISTRY	1st
53 Iti	BSC CHEMISTRY	1st
54 Priya	BSC CHEMISTRY	1st
55 Palak	BSC CHEMISTRY	1st
56 Himanshi	BSC CHEMISTRY	1st
57 Sandeep kumar Meena	BA PROGRAM	1st
58 Anuj Kumar	B COM. (H)	2nd
59 Namrta Kumari	B COM. (H)	2nd
60 Deepika	B COM. (H)	2nd
61 Pushkar Prasad	BSC CHEMISTRY	1st
62 Prince Biswas	BSC CHEMISTRY	1st
63 Deenash Vats	BSC CHEMISTRY	1st
64 Gulshan Kumar	B COM. (H)	2nd
65 Harsh Raj	BA ENGLISH (H)	1st
66 Adrika	BA ENGLISH (H)	1st
67 Soumya	BA ENGLISH (H)	1st
68 Seema	BA ENGLISH (H)	1st
69 Akash	BA ENGLISH (H)	1st
70 Allen	BA ENGLISH (H)	1st
71 Rakshita	BA ENGLISH (H)	1st
72 Parth	BA ENGLISH (H)	1st
73 Parth Ranjan	BA ENGLISH (H)	1st
74 Anurag	BA ENGLISH (H)	1st
75 Aastha	BA ENGLISH (H)	1st