

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



HANS RAJ COLLEGE

UNIVERSITY OF DELHI

Mahatma Hansraj Marg

Malkaganj, Delhi – 110007

Tel.: 011-27667458, 27667747

E-mail: principal_hrc@yahoo.com

Website: www.hansrajcollege.ac.in

NAAC ACCREDITED 'A++' GRADE COLLEGE

Name of the Event: Invited Lecture on Plasma Science and Technology: An Introduction

Date of the Event: 17th February, 2024

Department of Physics and Electronics, Hansraj College in association with Viksit Bharat Ambassador Club, Hansraj College, organized an enlightening talk titled "Plasma Science and Technology: An Introduction". Prof. D. N. Gupta from the Department of Physics & Astrophysics, University of Delhi, delivered this talk to provide participants with a comprehensive understanding of plasma, its properties, applications, and significance in various fields of science and technology. Prof. Gupta provided a clear comparison between plasma and gas, focusing on their conductivity, species, distribution, and interaction. He delved into various properties of both hot and cold plasma, offering detailed insights. Moreover, he shed light on the diverse applications of plasma, such as plasma globes, and its relevance in medical and communication technologies. However, Prof. Gupta also highlighted some of the disadvantages associated with plasma. The session was interactive, with participants actively engaged throughout the lecture. Prof. Gupta patiently addressed queries from the audience towards the end of the session, fostering a fruitful exchange of ideas.

Department of Physics and Electronics
Hansraj College, University of Delhi
Organizes
Invited Lecture
on
Plasma Science and Technology: An Introduction

Prof. D. N. Gupta
Department of Physics & Astrophysics, DU

Saturday || 17 Feb 2024 || 11:00 AM
Zoom Link: <https://us06web.zoom.us/j/88167277882>

Convener(s) Dr. Yogesh Kumar, HRC, DU Ms. Chanchal Yadav, HRC, DU	Co-Convener(s) Dr. Davuluri Srikala, HRC, DU Dr. Rangoli Bhatnagar, HRC, DU	Principal Prof. (Dr.) Rama HRC, DU
Coordinator(s) Dr. Nishant Shankhwar, HRC, DU Dr. Ganesh Lal, HRC, DU	IQAC Director Dr. Alka Kacker HRC, DU	Vice-Principal Dr. Vijay Rani Rajpal HRC, DU

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



HANS RAJ COLLEGE

UNIVERSITY OF DELHI

Mahatma Hansraj Marg

Malkaganj, Delhi – 110007

Tel.: 011-27667458, 27667747

E-mail: principal_hrc@yahoo.com

Website: www.hansrajcollege.ac.in

NAAC ACCREDITED 'A++' GRADE COLLEGE

The screenshot shows a Zoom meeting in progress. The main window displays a grid of six participants: Dr. Rangoli Bhatnagar (top center), Yogesh Kumar, Chanchal Yadav, Nishant Shankhwar, DN Gupta, and Srikala Deviuluri. A chat window on the right shows a list of participants and a message from BANOHU J256PH asking about fusion reactors and plasma-based technologies. The chat also shows a response from BJ stating that candle flames are affected by electric and magnetic fields.

The screenshot shows a Zoom meeting with a slide titled "Cold Plasma". The slide content is as follows:

- Isn't really cold
 - Typical electron temperatures for cold plasmas are in the thousands of degrees
- Only a small fraction of the gas molecules are ionized (degree of ionization)
 - Usually on the order of 1%
- Often created using strong electric fields

The meeting interface shows a grid of participants including Srikala Deviuluri, Chanchal Yadav, Yogesh Kumar, and DN Gupta. The Windows taskbar is visible at the bottom.