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NAAC ACCREDITED 'A++' GRADE COLLEGE


Department of Physics and Electronics, Hansraj College Event Report

Event name: Online Lecture

Date of the event: November 18, 2023

In its journey towards motivating students to explore different horizons of physics, the Department of Physics and Electronics, Hansraj College, organized an online lecture on zoom platform on Saturday, November 18, 2023, at 04:00 pm. The lecture was on an interesting topic of **"Plasma Antenna for 5G communications"** and delivered by **Dr. Rajneesh Kumar**, Associate Professor, Department of Physics, Institute of Science, BHU, Varanasi. The vast expertise of the speaker on plasma antennas made the talk lively. He summarised different applications of plasma and starting with basics of permittivity, plasma frequency and conductivity. Gradually shifting the focus to the topic of plasma antenna while drawing a comparison of plasma vs metal. The working of plasma antenna using fluorescent tube was interesting. As plasma antenna can transmit or receive signal so the speaker included a discussion on different types of plasma antenna. He also explained that different geometry of plasma can be attained using pressure and voltage applied. Further the speaker also encouraged students to do research in related areas. There were more than 40 enthusiastic participants and the fruitful discussion after the lecture is a measure of its success. Altogether the lecture exposed the students to a different zone out of the module in Physics.


Poster of the event:



DEPARTMENT OF PHYSICS & ELECTRONICS

(HANSRAJ COLLEGE, UNIVERSITY OF DELHI)


NAAC Grade A++ with CGPA 3.71



Invites you to participate in an
Online Lecture
on

Plasma Antenna for 5G communications

Platform
Zoom



Speaker: Dr. Rajneesh Kumar

Department of Physics, Institute of Science, BHU, Varanasi
(Associate Professor of Physics)

Saturday, November 18, 2023 at 4:00 pm

Coordinator(s)	Teacher-In-charge	Convener(s)	Patron
Dr. Yogesh Kumar Dr. Aman Phogat	Prof. Chetana Jain	Ms. Chanchal Yadav Dr. Ravi Kr. Verma	Prof. (Dr.) Rama Principal

