ATHARVA EDUCATIONAL TRUST'S

ATHARVA COLLEGE OF ENGINEERING

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ACE/SEMINAR/HAS/FR- 22/2023-24

DATE: 14th October 2023

Guest Lecture on "ISRO FOR U & U FOR ISRO"

Date:	27/03/2024
Time:	02:00 to 3:00 pm
Google Meet link:	https://meet.google.com/jnp-fxys-tyc
Speaker details:	Mr. Ramdasi Onkar Arun , Assistant Professor, Dept. Of Physics, Ramnarain Ruia Autonomous College.
No. of Students attended:	57
Organized by:	HAS Department
Faculties assigned:	Dr. Abhilasha Saini, Dr. Priyanka Badani

Objective:

- Concept and principles of nanotechnology.
- Various types of properties possessed by nanoparticles.
- Diverse applications across various sectors.
- Current research trends and developments.
- Environmental consideration associated with nanotechnology.

Outcome:

- Students could gain a solid understanding of the fundamental concepts and principles of nanotechnology.
- Students get information of various properties possessed by nanoparticles, including size-dependent physical, chemical, and biological characteristics.
- Students learn about the diverse applications of nanotechnology across sectors such as medicine, electronics, energy, and materials science
- Students gain insights into current research trends and developments in nanotechnology, including advancements in synthesis methods, characterization techniques, and novel

applications.

- Students develop an understanding of the environmental considerations associated with nanotechnology, including potential risks and benefits, enabling informed decision-making and responsible innovation.

Topics Covered:

- Fundamental Concepts and Principles: Introduction to the basics of nanotechnology, including definitions, scale, and unique properties at the nanoscale.
- Nanoparticle Properties: Discussion on the various physical, chemical, and biological properties exhibited by nanoparticles.
- Nanotechnology Applications: Exploration of the diverse range of applications across sectors such as medicine, electronics, energy, and materials science.
- Interdisciplinary Nature: Highlighting the interdisciplinary nature of nanotechnology and its connections to fields like physics, chemistry, biology, and engineering.
- Current Research Trends: Overview of recent advancements, breakthroughs, and emerging research areas in nanotechnology.
- Ethical and Environmental Considerations: Addressing ethical, societal, and environmental implications associated with nanotechnology research and applications.

Workshop Photographs:

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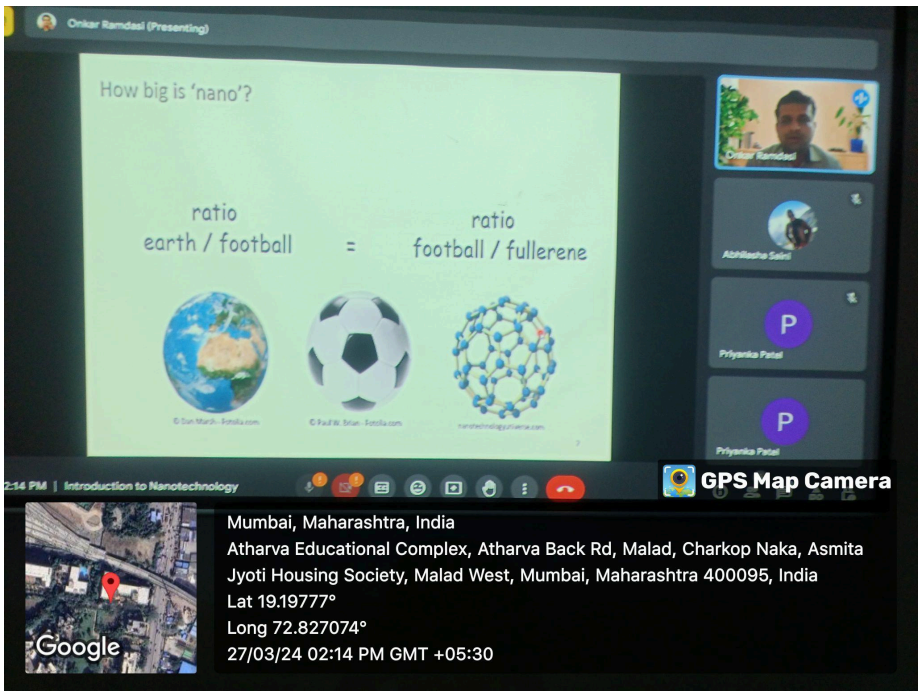

Dr. Abhilasha Saini Dr. Priyanka Badani	Dr. Ritu Sharma	Dr. Ramesh Kulkarni
Coordinator Name	**HOD - HAS**	**Principal**