

ST. ALOYSIUS COLLEGE (AUTONOMOUS) JABALPUR, M.P.

DEPARTMENT OF BIOTECHNOLOGY

GUEST LECTURE

"NANO – THE NEXT BIG THING"

2024-25

The Department of Biotechnology at St. Aloysius' College (Autonomous), Jabalpur, organized an engaging online guest lecture titled "**Nano – The Next Big Thing**" on September 2, 2024, at 10:00 AM. The session was delivered by Dr. Neeraj Jaiswal, Assistant Professor in the Department of Physics at IIITDM Jabalpur, and over 50 students participated. Dr. Jaiswal provided an in-depth overview of nanotechnology, emphasizing its revolutionary potential across various scientific domains.

He mainly focused on the application of nanotechnology in biological materials, discussing how nanoscale innovations are transforming fields like drug delivery, diagnostics, and tissue engineering. He explained how nanoparticles can be engineered to target specific cells for precision medicine, improving therapeutic outcomes while minimizing side effects. Additionally, he highlighted advancements in biosensors and nanostructures that enable early disease detection and monitoring. Dr. Jaiswal's insights sparked curiosity among students, offering them a glimpse into the future of biotechnology through the lens of nanoscience. The informative lecture inspired students to delve deeper into this cutting-edge field.

Glimpse of the event:

