

Invited Lecture
By
Y. Haritha M.Sc.
Department of Physics
Government Degree College, Porumamilla
(23.02.2023)

On the 23rd of February 2023, the Department of Physics at Government Degree College (GDC), Porumamilla, hosted a distinguished guest lecture by Ms. Y. Haritha, a lecturer from Sri Venkateswara Degree College, Porumamilla. This significant event was organized under the guidance of Dr. K. Venkata Rao, Head of the Department of Physics at GDC Porumamilla, with the aim of motivating and enlightening students about cutting-edge advancements in the field of nano materials.



Ms. Y. Haritha holds a special connection with GDC Porumamilla, being one of its illustrious alumni. Her academic journey is a source of pride for the institution, as she not only excelled during her undergraduate studies but also went on to achieve a gold medal in her postgraduate program in Physics at Yogi Vemana University. Her exceptional achievements and dedication to the field of Physics make her a role model for aspiring students. During the session, Ms. Haritha delivered a comprehensive lecture on the topic of nano materials, focusing on their immense potential and relevance in modern scientific and technological advancements. She began by explaining the fundamental nature of nano materials, emphasizing their unique properties, such as enhanced strength, conductivity, and reactivity, which make them vastly different from their bulk counterparts. She discussed fabrication methods, detailing top-down and bottom-up approaches, and introduced techniques such as chemical vapor deposition, sol-gel processes, and atomic layer deposition. Her explanations included real-world examples, making the technical content accessible. Ms. Haritha highlighted the diverse applications of nanomaterials in electronics, medicine, energy storage, and environmental protection, and elaborated on innovations like efficient solar cells, targeted drug delivery, and lightweight, strong aerospace materials. She emphasized the growing importance of nanomaterials in research and industry, encouraging students to consider this promising field for future academic and professional endeavors, noting its interdisciplinary nature and vast opportunities.

Invited Lecture
By
Y. Haritha M.Sc.
Department of Physics
Government Degree College, Porumamilla
(23.02.2023)



Her visit provided valuable insights into a cutting-edge topic and underscored the importance of perseverance and academic excellence. As an alumna, Ms. Haritha's achievements exemplified the quality of education at GDC Porumamilla and motivated current students. The event concluded with an interactive session where students asked about practical implications, challenges, and future prospects of nanomaterials, reflecting the enthusiasm sparked by her lecture.

Ms. Haritha's lecture was a remarkable success, leaving a lasting impression on students and faculty. It was a proud moment for GDC Porumamilla to welcome back an accomplished alumna who significantly contributed to the college's academic enrichment.