Department of Chemistry

Industry-Institute Lecture Report

Department of Chemistry has organized one Industry-Institute Lecture on the topic "Innovation-An essential road to build career economy" on 06/09/2024 under IICC-NIT Raipur. The Lecture was delivered by **Dr. Amit Chatterjee, Chief Research & Development Officer, Vedanta Ltd., Aluminium Business, Jharsuguda, Odisha, India.**

The lecture started with a short welcome address by Dr. S. P. Mahapatra, Coordinator, IICC-Chemistry and then expert delivered his complete presentation in Online mode and covered various aspects of Aluminium Industry, Research and Development such as Raw materials of Aluminium, Waste products-reuse-recycling of Aluminium, Characterizations of different outputs, Recovery of Graphite and high commercial materials from waste, Li-ion Battery and energy storage applications, Critical minerals, Use of dross slag, Cobalt and its recovery, Red mud utilization and recovery, Conversion of CO_2 to valuable products and Consumption, applications of Fly Ash and benefits of circular economy etc..

Around 50-60 M.Sc. students and Research Scholars have attended the online Industry-Institute Lecture along with faculty members of Department of Chemistry. Finally, the expert also cleared up the queries raised by the students and faculty members in a very interesting and technical manner. In addition to this, the expert also committed M.Sc. students to allow for Summer Internship program and encouraged Ph.D. students to enhance their research for diversified applications.

The lecture was completed with a Vote of Thanks to Expert by Dr. T. Maharana, HOD, Chemistry.

Industry-Institute Lecture Photos