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# **TECHNICAL TALK ON “COOLING TECHNOLOGIES: EXPERIMENTS AND MODELLING”**



**ORGANISED BY  
ACADEMIC INDUSTRY CELL  
MECHANICAL ENGINEERING DEPARTMENT  
PARALA MAHARAJA ENGINEERING  
COLLEGE, BERHAMPUR, ODISHA-761003**

## Cooling Technologies: Experiments and Models, A Talk by Prof. Santosh Kumar Sahu, IIT, Indore.

On February 1, 2025, Academic Industry Cell, Mechanical Engineering Department of Parala Maharaja Engineering College organized an engaging and intellectually stimulating talk on “***Cooling Technologies: Experiments and Modelling***” by **Prof. Santosh Kumar Sahu** from **IIT Indore**. The session provided a deep dive into the science behind thermal management, covering experimental techniques and computational models used to optimize cooling efficiency in modern applications.

Prof. Sahu explained the intricate physics of heat transfer, discussing phase-change cooling and emerging nanofluid technologies. His insights into the role of cooling in high-performance electronics, aerospace, and sustainable energy solutions left students fascinated. Through real-world case studies and interactive discussions, he demonstrated how advanced simulations are revolutionizing cooling system design. The Q&A session saw an enthusiastic exchange of ideas, with students probing challenges in industrial heat dissipation. His talk not only expanded technical knowledge but also sparked curiosity about the future of cooling innovations in engineering.





