

Online Lecture on Supply Chain Management and Logistics Organised at College of Dairy Science & Food Technology, Raipur



Shri Madhav Patgaonkar, Secretary, IDA (WZ), delivered an online expert lecture on **“Supply Chain Management and Logistics”**, organized by the College of Dairy Science & Food Technology, Raipur, on 4th May 2026.

It was a highly interactive and informative session for the students and staff. Shri Patgaonkar explained dairy industry logistics operations from an Indian perspective, starting from milk procurement (farmer collection centres, chilling centres, and BMCs) to the main processing plants. Milk is collected at village-level centres, where farmers deliver fresh milk twice daily. Quality testing, including adulteration detection tests, is conducted before the milk is transported to chilling centres. This ensures freshness and maintains quality standards before processing. At every stage, proper logistics planning and a robust supply chain are required to ensure timely milk collection. Proper route planning and cost optimization for collection and supply are key aspects of the system.



He further stated that the Indian dairy supply chain is vast and complex, involving more than 80 million rural households. It operates through a mix of cooperative models (Amul, Nandini, Mother Dairy), private companies (Nestlé, Hatsun Agro, Heritage, Paras, and Ananda), and government initiatives such as the National Dairy Development Board (NDDB). The supply chain typically follows the sequence: Farm — Collection — Processing — Distribution — Retail.

He also explained the AMUL model and various private dairy models. Despite its success, the industry faces challenges such as gaps in rural cold chain infrastructure, seasonal fluctuations in milk supply, complex demand forecasting, especially during festivals, and logistical hurdles in remote and underdeveloped regions. He also discussed cold chain logistics, distribution networks, innovations, and the supply chain involved in e-commerce.

He concluded by stating that logistics operations are the lifeline of the Indian dairy industry, and cooperative models ensure inclusivity and sustainability. A few private players are also working on similar models to promote sustainability. Future focus should be on digitalization, expansion of the cold chain, strengthening rural infrastructure, and the use of AI.

Prof. Sarang Pophaly thanked Shri Madhav Patgaonkar for sparing his time to deliver such an interactive and informative lecture and for answering questions raised by the students.

Shri Madhav Patgaonkar also appealed to the students to become members of IDA and participate actively in all IDA activities.