

Report on Guest Lecture: Neurophysiological Facilitation of Respiration

Date: 26.07.2025

Venue: Seminar Room

Organized by: Department of Physiotherapy,

Guest Speaker: Dr. Surbhi Thapliyal (PT), Assistant Professor, SGRR Dehradun

Introduction:

The Department of Physiotherapy organized a highly informative guest lecture on “Neurophysiological Facilitation of Respiration” for undergraduate physiotherapy students. The objective of the session was to enhance understanding of advanced neurophysiological techniques that support respiratory function, especially in neurologically compromised patients. The lecture focused on the integration of neurophysiological principles with respiratory therapy to optimize patient outcomes. The Faculty demonstrated the use of sensory stimulation to enhance diaphragmatic function and reflex-based interventions to stimulate respiratory patterns.

The Students learn about management of respiratory dysfunction in patients with stroke, spinal cord injuries, and neuromuscular disorders and Integration of neurofacilitation with conventional chest physiotherapy.