



NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY
(PHARMACY INSTITUTE), GREATER NOIDA, U.P. 201306

A Report on

Clinical and Industrial Pharmacy: Bridging Science and Practice

Noida Institute of Engineering and Technology (Pharmacy Institute), Greater Noida, organized a short-term certification course for Bachelor of Pharmacy students on the topic **“Clinical and Industrial Pharmacy: Bridging Science and Practice”** from **24th June 2024 to 26th June 2024**. 60 students of the Bachelor of Pharmacy have participated in the course. This course was conducted to provide an understanding of pharmaceutical sciences, clinical applications, and industrial advancements. The course aimed to bridge the gap between drug development, manufacturing, and patient-centered care. The session was started by **Dr. R.N. Gupta**, Professor, BIT Mesra, explored the fundamentals of clinical pharmacy, focusing on the role of pharmacists in patient care, medication therapy management, and drug safety. Topics such as pharmacokinetics, pharmacodynamics, and drug interactions were discussed in details, emphasizing their importance in optimizing patient treatment outcomes. **Dr. Sharad Wakode**, Professor, DIPSAR, delivered insights into industrial pharmacy, covering drug formulation, process validation, and advanced drug delivery systems. The session included discussions on Good Manufacturing Practices (GMP), Good Laboratory Practices (GLP), FDA, EMA, and CDSCO guidelines. Participants also learned about quality control, stability testing, and pharmaceutical packaging. On the final day, **Dr. Saumya Das**, Professor, NIET (Pharmacy Institute), focused on the intersection of clinical and industrial pharmacy, highlighting collaborative roles in drug development and post-marketing surveillance. Topics such as pharmacovigilance, biosimilars, and innovative drug technologies were discussed. The program concluded with a hands-on session where participants analyzed case studies on drug recalls, regulatory challenges, and emerging pharmaceutical trends. At the end of the session, students gained a general understanding of both clinical and industrial pharmacy, equipping them with the skills to navigate drug research, manufacturing, and patient care effectively.

