

Skill Enhancement Centre in Medical Diagnostics

Daulat Ram College

The Centre was established in 2025 with a SEED grant awarded by the Skill Enhancement Courses Committee (SEC), University of Delhi. It was founded with the vision of developing a highly skilled and industry-ready workforce equipped to pursue careers in Medical and Clinical Diagnostic Laboratories, Biomedical Research Laboratories, and the Pharmaceutical and Biotechnology sectors.

The Centre is dedicated to providing comprehensive skill-based training in laboratory safety and maintenance, including biosafety practices, sample collection, processing, labelling, preservation, record keeping, and biomedical waste management. Students receive hands-on training in haematological investigations such as RBC count, erythrocyte sedimentation rate (ESR), packed cell volume (PCV), total leukocyte count, differential leukocyte count, absolute eosinophil count, clotting time assessment, and blood group determination.

The training programme also covers biochemical investigations, including the analysis of disease biomarkers in serum, sputum, and urine samples. In addition, students are introduced to modern immunodiagnostic techniques such as Rapid Antigen Assays and RT-PCR testing, enabling them to gain practical experience with contemporary diagnostic methodologies.

Since its inception in 2025, the Centre has been successfully offering the Skill Enhancement Course (SEC) in Medical and Clinical Diagnostics under the Undergraduate Curriculum Framework (UGCF)–2020. Through a combination of theoretical knowledge and practical laboratory training, the Centre continues to equip students with the technical competencies, professional skills, and industry exposure required to excel in the rapidly evolving healthcare, research, and biotechnology sectors.

