

## **“Maternal Health & Innovation: Advances in Research and Technology”**

### **Session Speakers:**

#### **1. Prof. Abhijit Majumder — Indian Institute of Technology Bombay**

Prof. Majumder is a chemical engineering researcher whose work intersects microfluidics and bioengineering, with recent involvement in developing innovative *placenta-on-a-chip* models to mimic human placental function and study pregnancy-related complications such as preeclampsia and gestational diabetes. This research exemplifies technological innovation at the interface of engineering and maternal health.

#### **2. Prof. Tapasya Srivastava — University of Delhi South Campus (DUSC)**

Prof. Srivastava is a faculty member in the Department of Genetics, specializing in molecular and cancer biology, including the biology of cancer cells in hypoxic microenvironments, cancer genetics, and epigenetic regulation. Her research background encompasses advanced genetic and molecular investigations that enrich the broader understanding of biological determinants of health and disease, contributing deep scientific insight relevant to health systems and translational research environments.

#### **3. Dr. Ritu Kulshrestha — Vallabhbhai Patel Chest Institute, University of Delhi**

Dr. Kulshrestha is a Professor of Pathology who has established and led key laboratory facilities, including molecular pathology and advanced diagnostic capabilities at VPCI. Her expertise spans diagnostic techniques such as PCR and microscopy, with extensive research and publication experience in pathology — underpinning the integration of laboratory science and clinical interpretation that supports health innovation ecosystems.