

SEMINARS ON TECHNOLOGICAL ADVANCES AND
INNOVATION**FROM CRIME SCENE TO
COURT: APPLICATIONS OF
FORENSIC SCIENCE AND
ANALYTICAL CHEMISTRY
IN CRIMINAL
INVESTIGATION****Tanaji Keshav Ghorpade**

CENTRAL FORENSIC SCIENCE LABORATORY, HYDERABAD

Forensic science is a multidisciplinary field that applies scientific principles and analytical techniques to the investigation of crime and the administration of justice. This presentation provides an overview of the major branches of forensic science, the organizational framework of the Central Forensic Science Laboratories (CFSLs), and the systematic pathway of forensic case examination—from crime scene investigation and receipt of exhibits to laboratory analysis, reporting of results, and expert testimony before the court. The scope and types of cases handled by specialized CFSL divisions are highlighted, with particular emphasis on forensic chemistry which includes examination of cases in the Chemistry, Narcotics, Toxicology, and Explosives Divisions. Special focus is given to the examination of Narcotic Drugs and Psychotropic Substances (NDPS) cases by using conventional chemical methods and advanced instrumental techniques, along with the contemporary challenges associated with their analysis.

Sept**29****2026**

TIFRH Auditorium 16:00 Hrs

Tea/Coffee 15:45 Hrs