

Technology-Based Justice System

***Prelims:** Current events of national and international importance | Polity and Governance*

Why in News?

Government has taken several technology-based justice systems to significantly improve the speed, efficiency and transparency in judicial process.

Key Digital Platforms

Crime and Criminal Tracking Network and System (CCTNS)

- Computerises police processes from FIR to charge-sheet.
- Tracks investigations, manages criminal records, integrates with courts.
- Timeline-based alerts ensure compliance with Nyaya Sanhita provisions.

Interoperable Criminal Justice System (ICJS)

- Connects police, courts, prisons, forensics, prosecution.
- Enables electronic transmission of FIRs, charge-sheets, court orders, forensic reports, prison data.

Investigation Tracking System for Sexual Offences (ITSSO)

- Dashboard to monitor investigation progress in sexual offence cases.
- Ensures timely charge-sheet submission under Nyaya Sanhita.

e-Sakshya

- Mobile app for capturing and managing primary digital evidence.
- Ensures integrity and authenticity of evidence from collection to court presentation.

e-Summons

- Streamlines generation, transmission, execution, and reporting of court

processes electronically.

Medico Legal Examination and Postmortem Reporting (MedLEaPR)

- End-to-end online solution for medico-legal cases.
- Used in hospitals for examination and postmortem report generation.

Nyay Shruti

- Digital platform for virtual court appearances via video conferencing. Enables remote participation of accused, witnesses, police, prosecutors, forensic experts.

e-Forensic

- Digital platform for forensic labs.
- Automates workflows, manages evidence securely, delivers faster outcomes.

e-Prison

- Cloud-based application for prison and prisoner management.
- Integrates jail databases nationally, shares data with courts, police, forensic labs.

e-Prosecution

- Workflow-based platform for coordination between police and prosecution.
- Supports timely legal opinions and prosecutorial oversight.

National Automated Fingerprint Identification System (NAFIS)

- Centralised repository of biometric fingerprint data.
- Enables real-time matching of crime scene prints with national database.

Reference

[PIB | Technology Based Justice Systems](#)