



**ECT- PROGRAMME FOR TECHNICAL  
STAFF MEMBERS OF THE DISTRICT  
JUDICIARY OF SIKKIM  
ON 19.07.2025**

## A BRIEF OVERVIEW OF E-COURTS PROJECT IN INDIA

- E-Courts project is a concept based on the 'national policy and action plan (NeGP) for implementation of information and communication technology (ICT) in the Indian judiciary in 2005.
- Make justice delivery system affordable and cost effective.
- 3 Phases

# THE E-COURTS PROJECT WAS LAUNCHED WITH THE FOLLOWING KEY MILESTONES:

## INCEPTION (2005-2006)

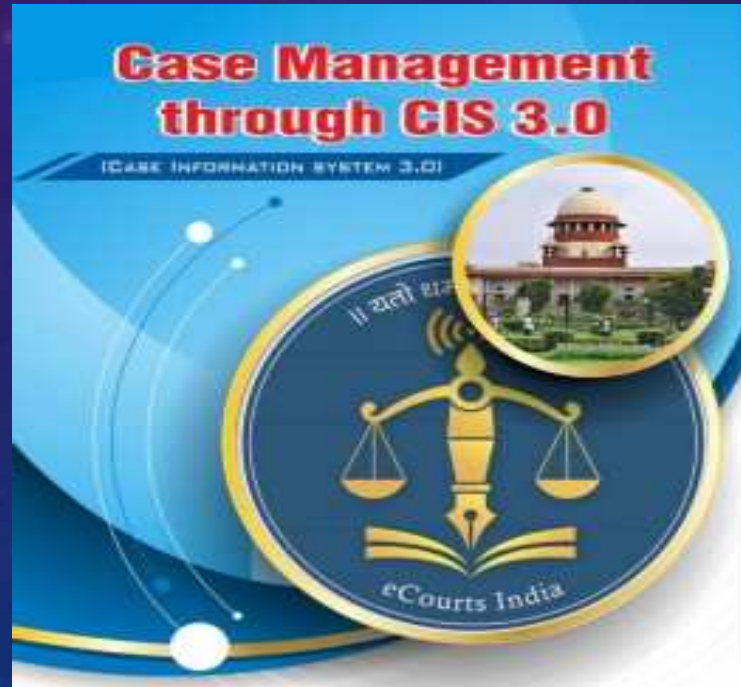
THE PROJECT AIMED TO MAKE THE COURTS MORE ACCESSIBLE TO THE PUBLIC AND IMPROVE THE OVERALL FUNCTIONING OF THE JUDICIAL SYSTEM THROUGH THE USE OF TECHNOLOGY.



# PHASE 1 (2007-2015) of e-Courts Project

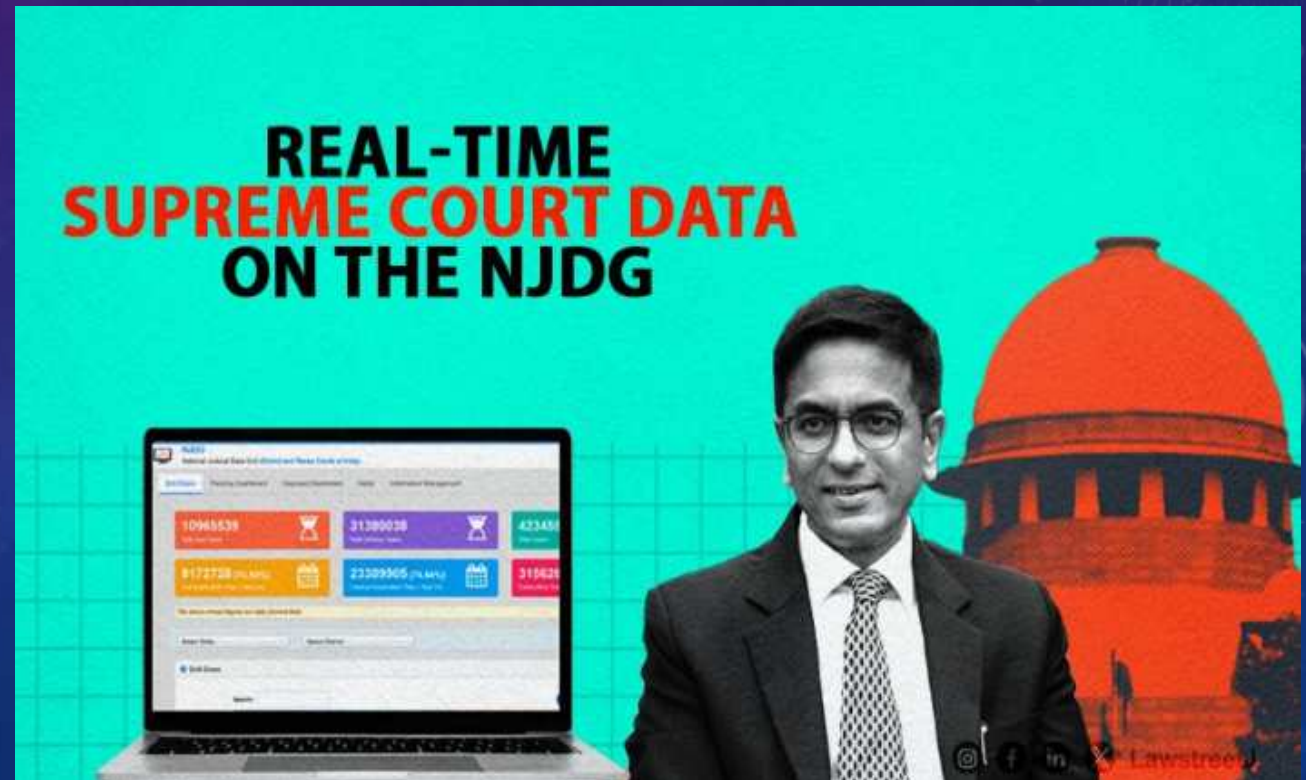
## Objectives:

- Digitize case records
- Implement case management systems
- Facilitate online filing of cases



## Phase 2 (2015-2020) of e-Courts Project

- **SMS and email alerts** for case status, and the **availability of judgments and orders online**.
- The project was expanded to **high courts and subordinate courts** across the country.
- **National Judicial Data Grid (NJDG)**





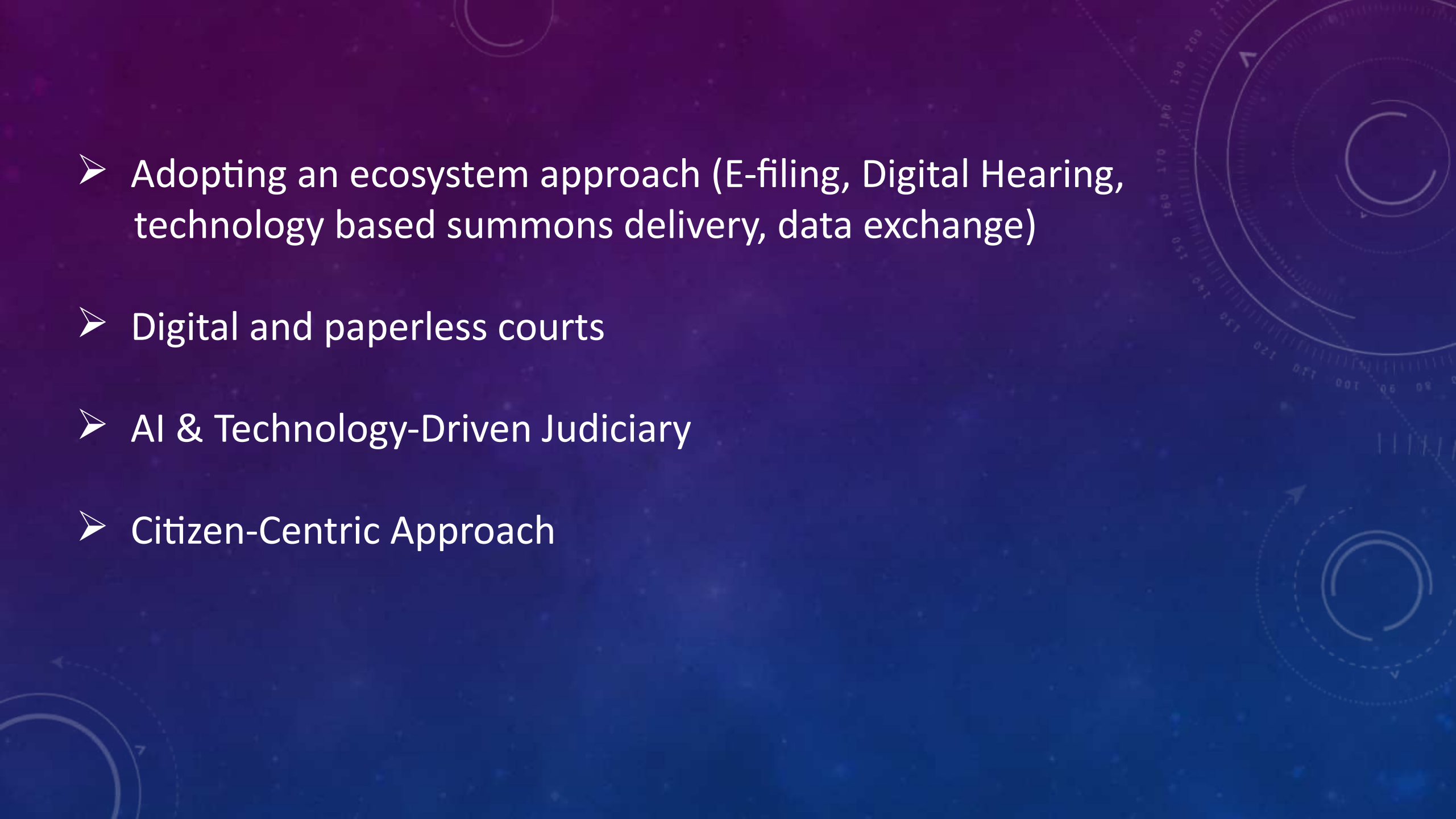
## Phase 3 (2020 and beyond) of e-Courts Project



- Aims to fully digitize all court processes.
- Ensuring judicial transparency
- Making the system more accessible to citizens.
- **Artificial intelligence (AI) and machine learning (ML)**

# VISION OF PHASE-III

The background is a deep blue gradient with a subtle pattern of white stars and faint geometric lines. In the upper right, there is a large, semi-circular protractor-like scale with markings from 90 to 210 degrees. Below it, there are concentric circles and dashed lines forming a spiral-like pattern. In the lower left, there are more concentric circles and a dashed line with an arrow pointing upwards.

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- Adopting an ecosystem approach (E-filing, Digital Hearing, technology based summons delivery, data exchange)
  - Digital and paperless courts
  - AI & Technology-Driven Judiciary
  - Citizen-Centric Approach



# IMPACT OF PHASE-III

- FASTER DISPOSAL OF CASES
- REDUCE PENDENCY AND BACKLOG
- INCREASED TRANSPARENCY AND ACCOUNTABILITY
- GREAT CONVENIENCE FOR LITIGANTS AND LAWYERS

## KEY ACHIEVEMENTS OF e-COURTS PROJECT

- Digital case management
- National Judicial Data Grid (NJDG)
- E-filing and e-payment systems
- Video conferencing for hearings
- Public access to case information

## Future Vision:

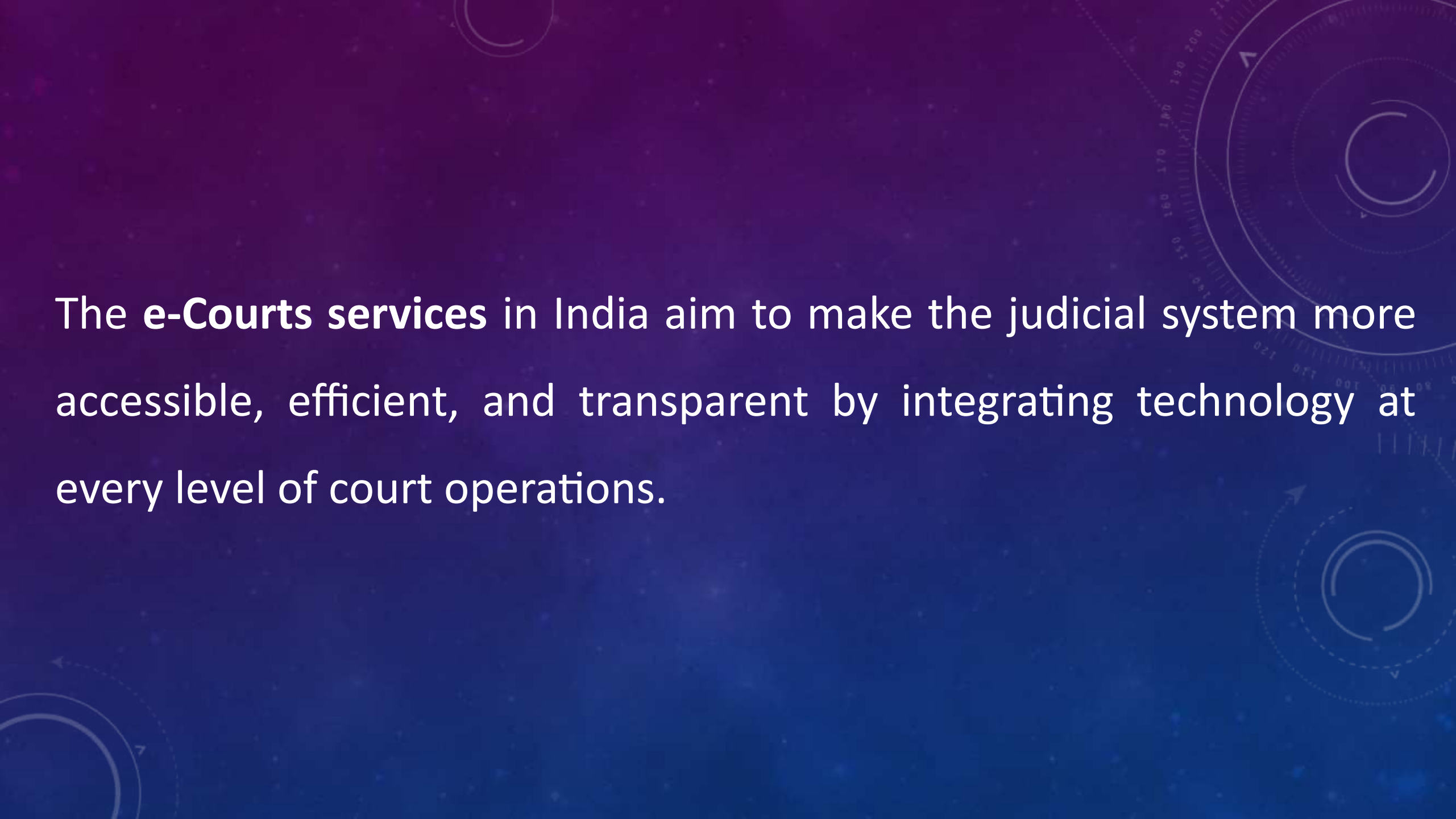
The e-Courts project aims to continue advancing the digital transformation of the judiciary.

- Efficiency
- Transparency
- Accessible justice delivery system



# eCourts Services



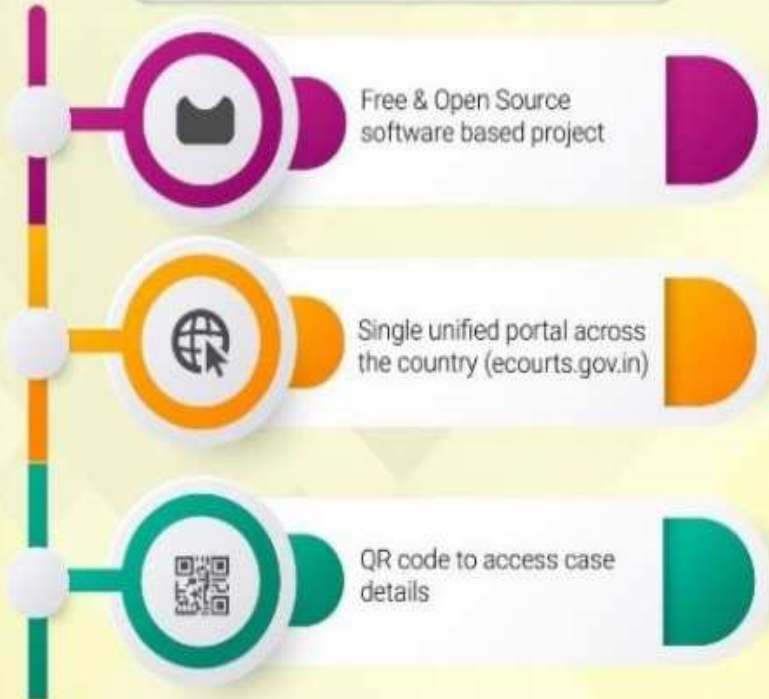


The **e-Courts services** in India aim to make the judicial system more accessible, efficient, and transparent by integrating technology at every level of court operations.

# E-COURTS

Transforming Justice delivery by ICT enablement of Courts

## Unique Features



The background is a gradient of dark blue and purple, overlaid with a pattern of small white stars. Faint, light blue technical diagrams are visible, including a large circular scale with numerical markings (90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200) and arrows, and other concentric circles and dashed lines.

# **KEY SERVICES OFFERED UNDER THE eCOURTS PROJECT**

# CASE MANAGEMENT SYSTEM (CMS)

- Automated Case Processing
- Case Tracking

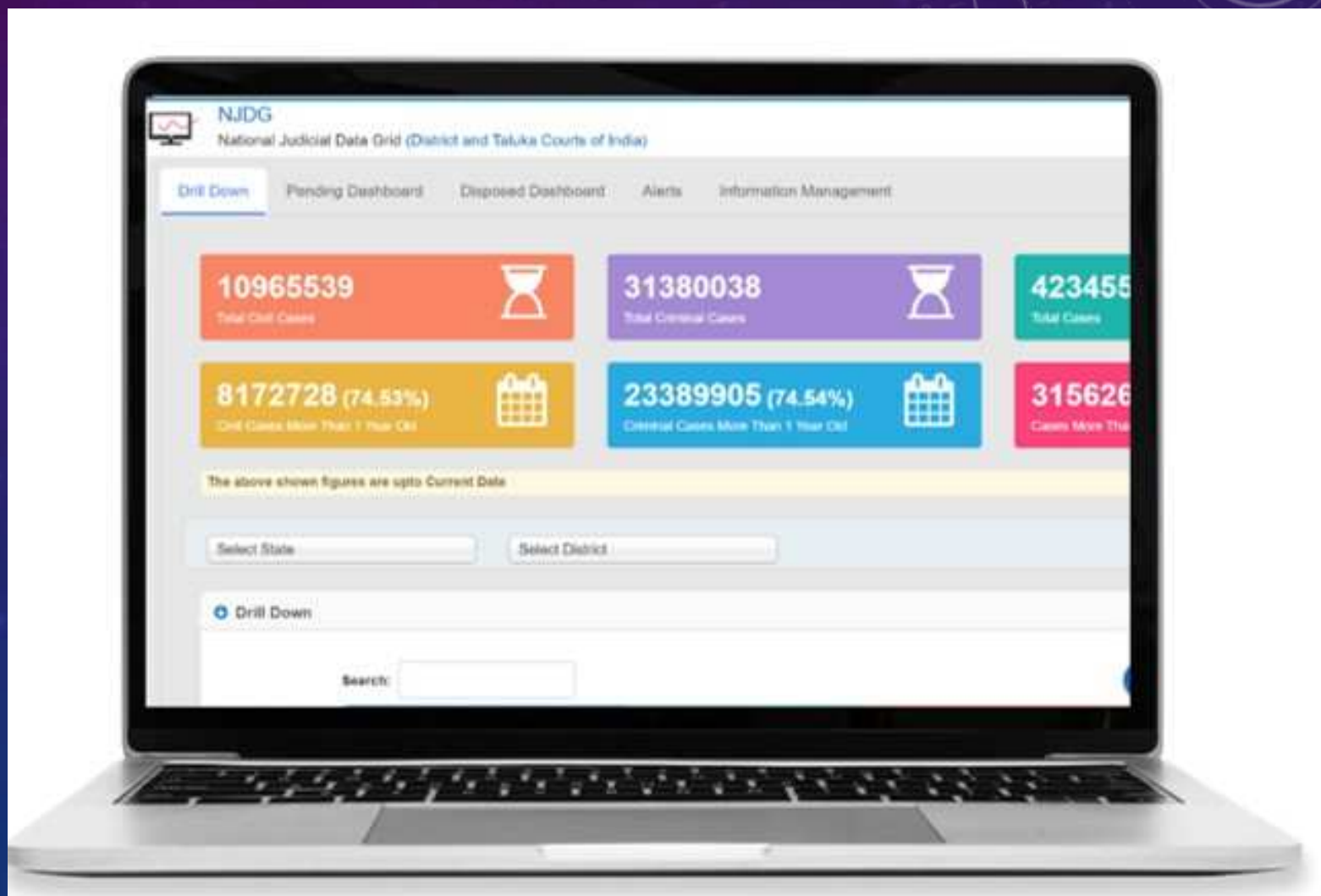


# E-FILING

- Online Case Filing
- Online Court Fee Payment
- E-Documents

# NATIONAL JUDICIAL DATA GRID (NJDG)

- Case Data Accessibility
- Public Access
- Case Statistics



# SMS & EMAIL ALERT'S



- Real-time Notifications
- Case Status Updates

# JUDGEMENT & ORDER INFORMATION



Access to Judgments



Online Database



# VIDEO CONFERENCING FOR HEARINGS



Remote Hearings

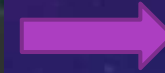


Virtual Courtrooms

# PUBLIC ACCESS TO COURT INFORMATION

- Case Information Portal
- Court Locations and Timings

# DIGITIZATION OF COURT RECORDS



- Scanning and Digitizing Documents
- Efficient Document Management



# COURT INFRASTRUCTURE MANAGEMENT

- **Resource Management**
- **Judicial Staff Management**



# LEGAL AID PUBLIC SERVICES

- Online Legal Assistance
- Awareness Programs

# SEARCHABLE LEGAL DATABASE & RESEARCH TOOLS

- Legal Research
- AI Integration

# INTEGRATION WITH OTHER GOVERNMENT SERVICES

LINKAGE WITH POLICE AND LAW ENFORCEMENT AGENCIES:

FOR E.G: CCTNS IS INTEGRATED WITH CIS 4.0 VERSION

# COURT HEARING SCHEDULING & MANAGEMENT

- Automated Scheduling
- Real-time Updates



# ENHANCED DATA SECURITY & PROTECTION

- Secure Data Handling
- Access Control



SUPREME COURT PORTAL FOR ASSISTANCE IN COURT  
EFFICIENCY

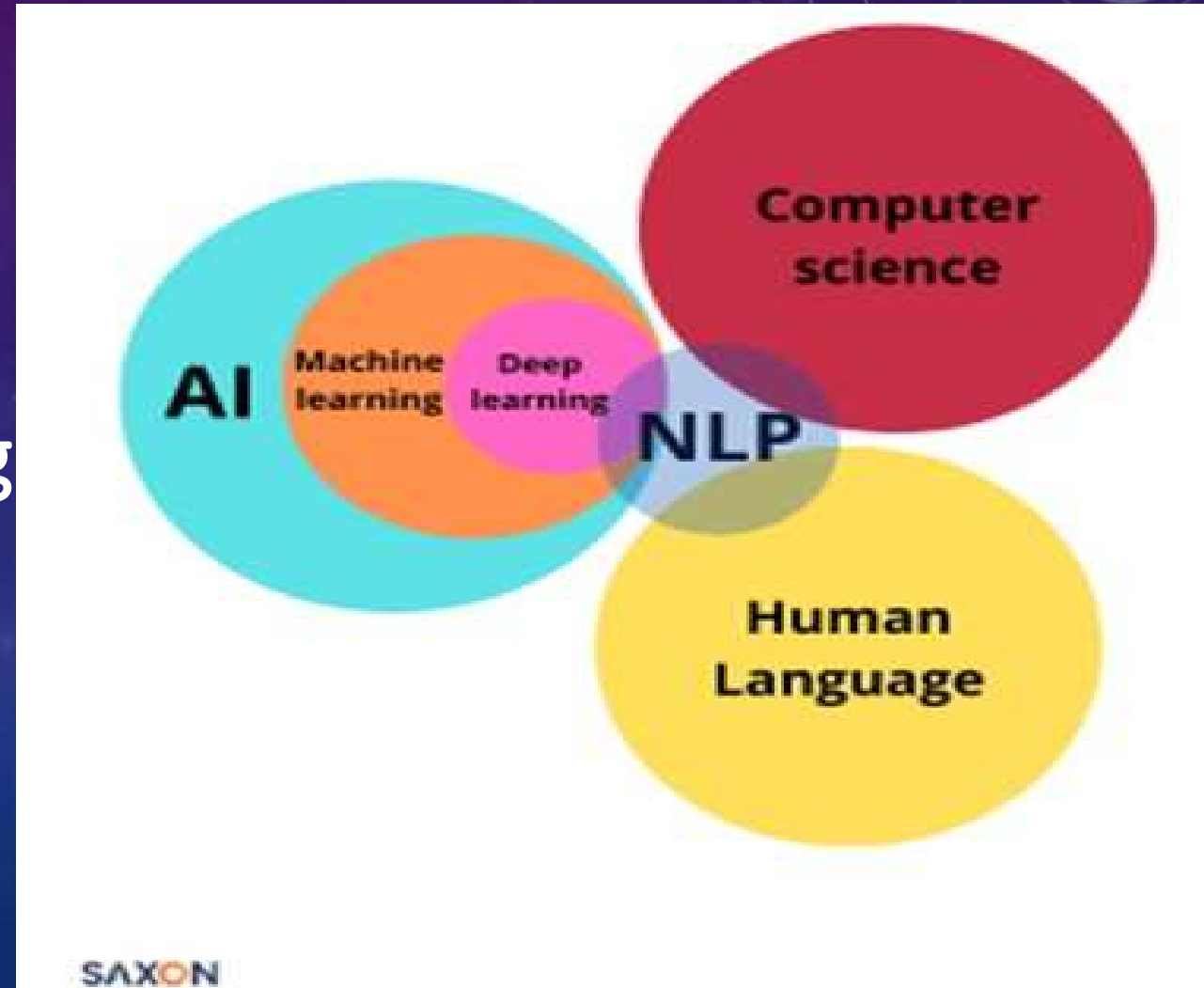
# SUPACE is an innovative initiative that combines

## Main Features :

1) AI

2) Machine learning

3) Natural language processing

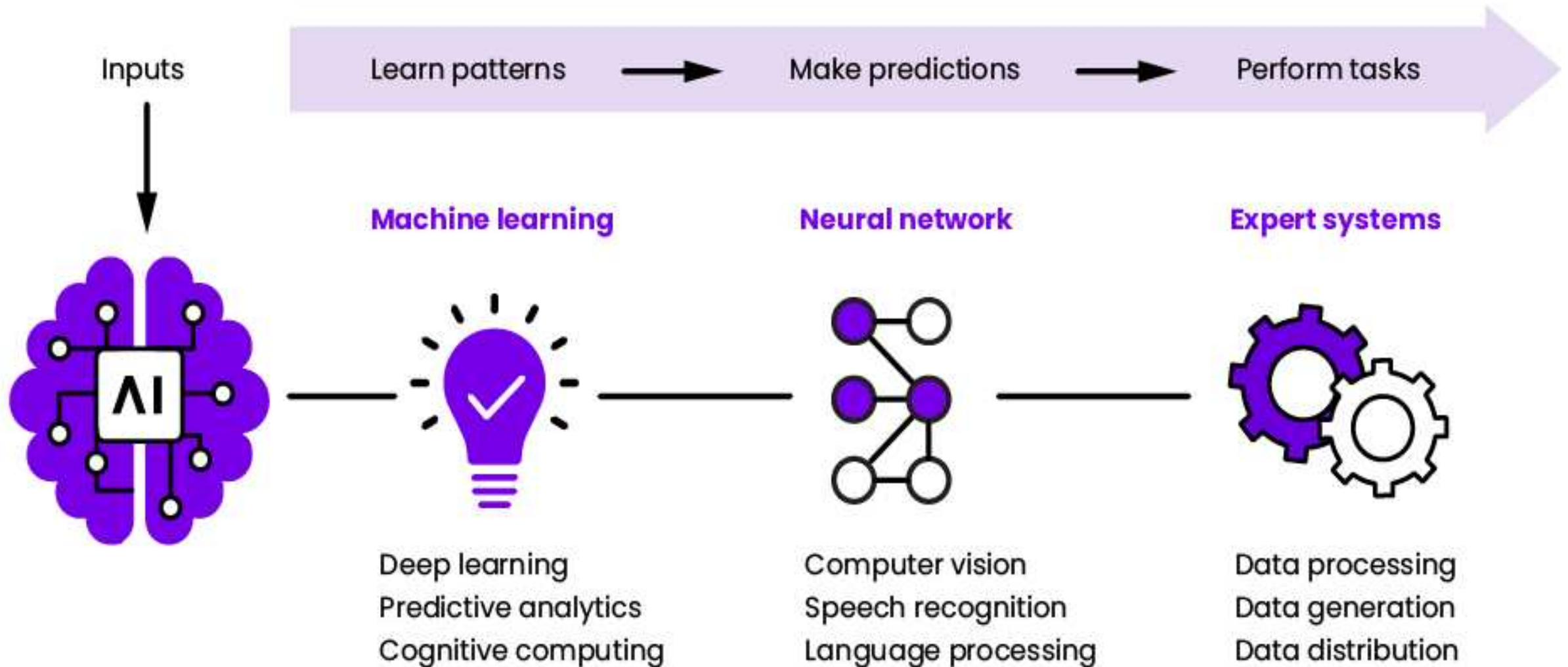


## Types of AI :-

- Narrow AI, also called “Weak AI”
- Artificial General Intelligence (AGI), also called “General AI”.
- Artificial Super Intelligence (ASI), also called “Strong AI”.



# HOW AI WORKS



AI enables computers to :-

- See, understand and translate language
- Analyze data
- Make recommendations
- Learn from experience
- Adjust to new inputs
- Perform human like tasks

## FEATURES OF SUPACE

- Assisting Judges with collection of data/judgments
- Discovery of facts
- Processing words and figures thereby improving efficiency

## BENEFITS OF SUPACE

- Artificial Intelligence in the Judiciary can be effective in reducing pendency, faster and better processing of information.
- AI will not make lawyers or judges redundant but such systems can address bottlenecks resulting in excessive delays.



# SUPACE & THE FUTURE OF LEGAL AI IN INDIA

TRANSFORMATIVE ROLE IN IMPROVING JUDICIAL OUTCOMES AND MAKING JUSTICE MORE ACCESSIBLE, TRANSPARENT, AND EFFICIENT.

IN THE FUTURE, PREDICTIVE ANALYTICS FOR CASE OUTCOMES, DEEPER LEARNING MODELS, AND INTEGRATION WITH OTHER LEGAL DATABASES.



# Example of an AI Application Software (Document Extraction & Management Platform)

## AKME AI





# VULNERABLE WITNESS DEPOSITION CENTRE (VWDC)

# Who can be categorized as a “Vulnerable Witness”?

The Supreme Court of India has now expanded the meaning of vulnerable witnesses to not only include a child witness but also:

- - any victim of sexual assault
- - persons suffering from mental illness,
- - people with speech or hearing impairment or with other disabilities.



# Vulnerable Witness Deposition Center At District Court Complex Gyalshing



Main entrance of Court building



Separate Entry for Vulnerable  
Witnesses



WAITING ROOM IN  
VWDC OF DISTRICT COURT COMPLEX, GYALSHING





VULNERABLE WITNESS DEPOSITION ROOM

# Vulnerable Witness Deposition Centre

Court Room



Recording evidence of a Vulnerable Witness  
from the VWDC





# **INTEROPERABLE CRIMINAL JUSTICE SYSTEM**

## **(ICJS)**



- Interoperable Criminal Justice System aims to integrate CCTNS system with eCourt, ePrison, eForensics, eProsecution, Fingerprint, and Women & Child Department (WCD) systems for seamless flow of information among these pillars of Criminal Justice System to achieve '**One Data Once Entry**'.
- The lack of transparency, absence of adequate investigation tools and delay in information flow among the pillars could also be reasons for the delay in delivery of Justice. The proposed Interoperable Criminal Justice System is an attempt to make the justice delivery system speedy and transparent. The project also aims towards smart policing which include empowering citizen, investigating agencies and policymakers

- The ICJS portal serves as an interface for various pillars to perform National Level Searches based on Name, Relative Name, Mobile No, Email ID, Unique Identifiers (like FIR No, CNR No, Prison ID, etc.), Addresses and even on Contents (free text). It also provides customizable National Level Dashboard for Analytics on various metrics. The ICJS interoperable services soon to be available shall provide a platform for various pillars to exchange information through uniform web-service APIs.



# OBJECTIVE

- **ONE DATA ONCE ENTRY**
- **INTEROPERABILITY AMONG PILLARS**
- **DATA CORRECTNESS & COMPLETENESS**

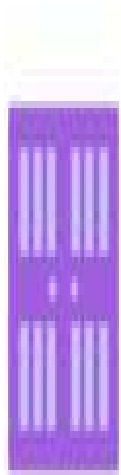
# ICJS COVERAGE



Police



Court



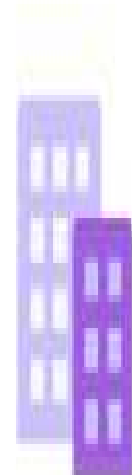
Prison



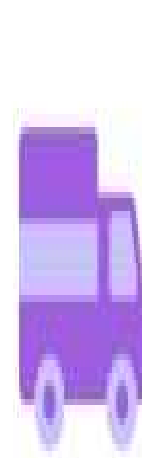
Prosecution



Forensics



Central Agencies



Transport

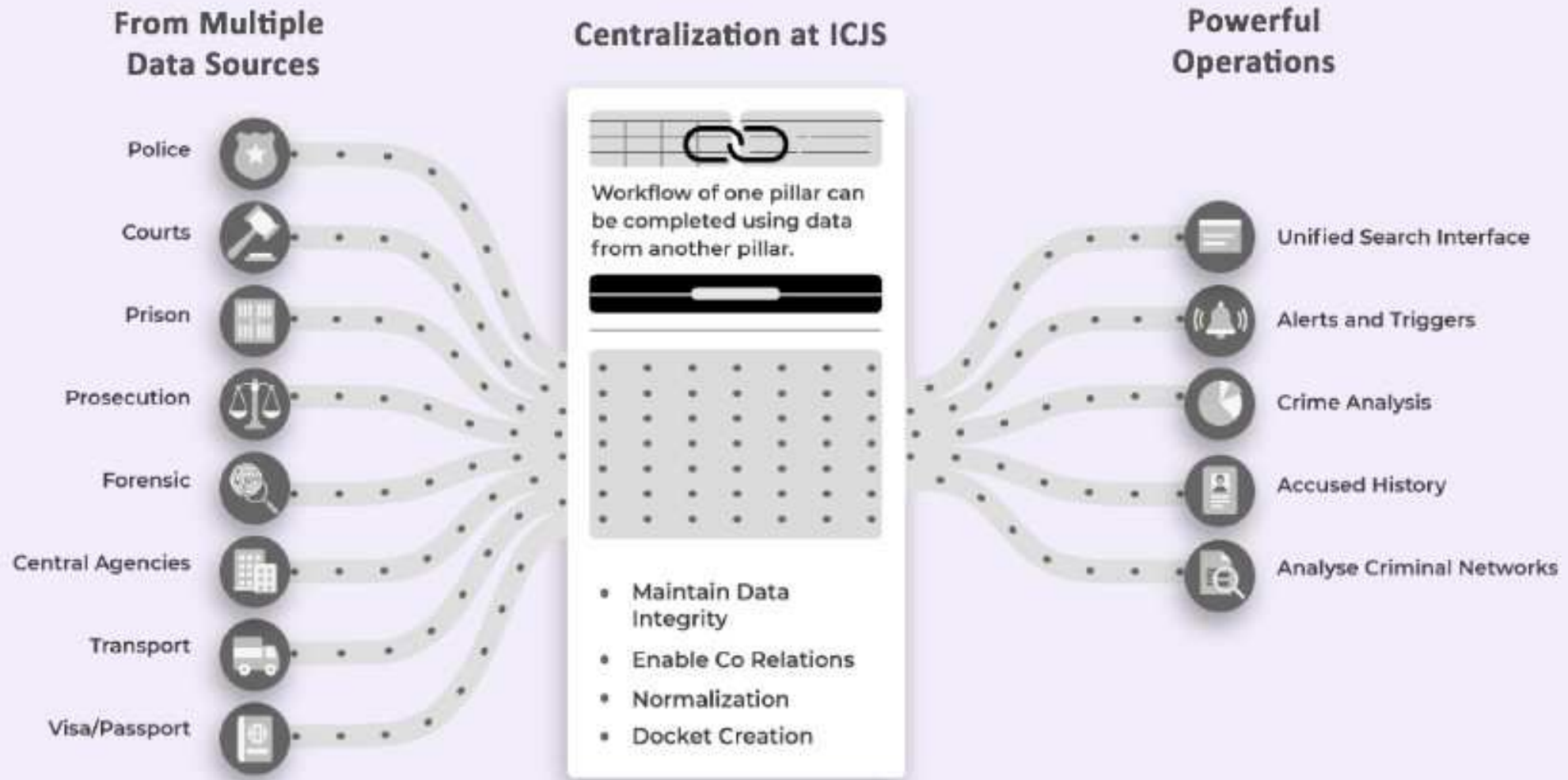


Visa Passport



New Pillars ...

# How ICJS Works







# e-Sewa Kendra - Services

## Services for litigants and needy Advocates



### Case Status

Inquiries about case status, next date of hearing and other details.

High Court  
District Court



### CauseList

High Court  
District Court



Orders/Judgments  
Soft copy of judicial orders/judgments

High Court  
District Court



**Inauguration of eSK at High Court of Sikkim by  
Hon'ble The Chief Justice**

## E-SEWA KENDRA BENEFITS TO LAWYERS:-

It will assist the lawyers and litigants in accessing online e-Courts services and shall be the savior for those who cannot afford the technology

It will provide benefits in saving time, avoidance of exertion, travelling long distances, and saving cost by offering facilities of e-filing of cases across the country, to conduct the hearing virtually, Scanning, Accessing e-Courts services etc.

# MOBILE E-SEWA KENDRA







THANK YOU