

Technology, courts and access to justice: A transformative journey

Dr. Kusum Chauhan¹, Lalit Dadwal²

¹ H.P. University Institute of Legal Studies, Shimla, Himachal Pradesh, India

² Professor, Department of Laws, H.P. University, Shimla, Himachal Pradesh, India

Abstract

The unprecedented growth of digital technology has fundamentally redefined judicial systems worldwide, transforming both the administration of courts and the manner in which individuals engage with the justice delivery process. This article explores the dynamic interplay between technology, courts, and access to justice, focusing on the ongoing digital transformation of judicial institutions. The integration of Information and Communication Technology (ICT) into the judicial framework has facilitated the emergence of e-courts, virtual hearings, electronic filing platforms, digital case management systems, and online dispute resolution mechanisms. These technological innovations have modernized court administration by enhancing operational efficiency, strengthening transparency, and improving the accessibility of legal services. Moreover, they have significantly reduced procedural complexities, administrative bottlenecks, and delays that have long hindered the effective and timely dispensation of justice.

The article further analyzes the accelerated digital transformation of courts in the aftermath of the COVID-19 pandemic, which underscored the necessity of resilient and technology-enabled justice systems. While digitalization has expanded opportunities for timely and cost-effective dispute resolution, it has also introduced complex challenges relating to digital exclusion, cyber security, data protection, technological literacy, and infrastructural limitations. Therefore, the success of judicial digitalization depends upon inclusive policies, robust technological infrastructure, and continuous capacity-building initiatives. The article concludes that technology is not merely a tool for modernizing courts but a transformative force capable of redefining access to justice. By balancing innovation with inclusivity and safeguarding fundamental rights, judicial systems can harness technology to build a more efficient, transparent, and citizen-centric framework for the administration of justice.

Keywords: Digitalization of courts, access to justice, E-Courts, transformation of courts

Introduction

The rapid advancement of Information and Communication Technology (ICT) has transformed the functioning of institutions across the globe, enhancing efficiency, innovation, and accessibility. The judicial sector, traditionally characterized by paper-based procedures and procedural delays, has also embraced technological reforms to improve the administration of justice. Recognizing the potential of digital technologies, the Supreme Court of India introduced the National Policy and Action Plan for the Implementation of ICT in the Indian Judiciary (Action Plan 2005), which laid the foundation for the e-Courts Project [1]. The COVID-19 pandemic further underscored the urgency of accelerating judicial digitalization, highlighting the need for resilient, transparent, and accessible justice delivery mechanisms capable of functioning effectively during times of crisis.

To achieve meaningful judicial transformation, digitalization must be pursued through a comprehensive and multi-dimensional approach. This includes the establishment of an enabling legislative and regulatory framework that recognizes and governs digital judicial processes, the deployment of advanced ICT infrastructure to facilitate remote hearings and virtual court proceedings, and the provision of adequate technological resources such as secure internet connectivity, digital documentation systems, and electronic case management platforms. Equally important is the adoption of secure digital identities and electronic signature mechanisms for litigants, legal practitioners, judges, and other stakeholders to ensure the authenticity and integrity of electronic transactions and

communications. Furthermore, existing case management systems such as ACCMIS require continuous modernization, supported by adequate staffing and sustained capacity-building initiatives to equip judicial personnel with the skills necessary to effectively utilize emerging technologies.

Virtual hearings represent only one dimension of judicial digitalization. The broader transformation encompasses a wide range of technological innovations, including electronic filing of cases, digital recording and transcription of proceedings, creation and maintenance of electronic court records, online exchange of information and evidence, and seamless interoperability among judicial and governmental institutions. Authentication mechanisms play a vital role in this process by enabling the reliable electronic identification of individuals and entities while safeguarding the accuracy, security, and integrity of data exchanged through digital platforms.

Despite these technological advancements, the protection of fundamental human rights must remain the cornerstone of any digital justice framework. Particular attention must be given to preserving the essential guarantees associated with the right to a fair and public hearing within a reasonable time, the presumption of innocence, procedural due process, equality before the law, and the protection of privacy and personal data [2]. Digital tools and AI-driven solutions should therefore be designed not merely to improve administrative efficiency but also to strengthen access to justice and uphold procedural fairness. Achieving this objective requires a multidisciplinary approach that harmonizes technological innovation with legal safeguards,

ensuring that digital transformation serves the interests of justice while fully respecting the rights of all participants in judicial proceedings. This paper critically evaluates the transformative impact of e-courts on access to justice. It examines the progress, challenges and future prospects of the digital transformation of the Indian judiciary and explores the need for policy recalibration and strategic reforms in the forthcoming phase of reforms.

Digitalizing Justice Delivery and Access to Justice

Access to justice remains one of the most fundamental principles underpinning modern democratic legal systems across the world. At its core, this principle guarantees that every individual, irrespective of social, economic, or personal circumstances, is entitled to equal protection of the law, fair treatment, and effective legal remedies. As Professor Moorhead observes, access to justice means being treated fairly under the law and, where fairness is denied, having the opportunity to obtain appropriate redress^[3]. Consequently, access to justice serves as a crucial mechanism for ensuring equality, safeguarding rights, and maintaining public confidence in the rule of law.

The significance of access to justice extends beyond the resolution of legal disputes. It acts as an enabling right through which citizens can effectively exercise and protect other constitutional and human rights. Without meaningful access to justice, the realization of these rights remains incomplete^[4]. The effectiveness of any democratic government is often measured by its ability to protect the welfare and security of its citizens while ensuring the timely and impartial administration of justice. Justice, therefore, constitutes both the philosophical foundation and practical objective of every legal system.

In a constitutional democracy such as India, the judiciary bears the responsibility of administering justice in a manner that is fair, equitable, transparent, and accessible to all citizens. A robust justice delivery system must provide remedies that are not only legally sound but also affordable, efficient, and free from discrimination based on caste, religion, gender, race, or socio-economic status. When citizens are assured of prompt and effective legal remedies, public trust in institutions is strengthened, thereby discouraging extra-legal means of dispute resolution and preserving social order.

The right to speedy justice occupies a central position within the Indian constitutional framework. Although not expressly stated, it has been judicially recognized as an integral component of the right to life and personal liberty guaranteed under Article 21 of the Constitution of India. The constitutional promise that no person shall be deprived of life or personal liberty except according to the procedure established by law implicitly includes the right to timely and effective access to justice.

As the world's largest democracy, India is committed through the Preamble of its Constitution to securing justice—social, economic, and political—for all its citizens^[5]. The principle that “Justice delayed is justice denied” has long been acknowledged as a cornerstone of a fair legal system. Delays in adjudication not only undermine public confidence in the judiciary but also impose significant psychological, financial, and social burdens on litigants. Consequently, the pursuit of speedy justice has remained a persistent objective of legal reforms in India.

The concept of justice in India has deep historical roots. Ancient Indian jurisprudence was guided by the principle of Dharma, which governed social and legal relations for centuries^[6]. Sources such as the Vedas, Smritis, Dharmashastras, customary practices (Charitra), judicial procedures (Vyavahara), and royal edicts (Rajasasana) collectively shaped the administration of justice. Ancient legal texts consistently emphasized the importance of timely adjudication, recognizing that delayed justice itself constitutes a form of injustice^[7].

Following Independence in 1947, India adopted and adapted many features of the British legal system, including the principles of equality before the law, individual liberty, the supremacy of law, and institutional checks and balances. The Constitution established an integrated judicial structure with the Supreme Court of India at its apex, followed by High Courts in the States and subordinate courts at the district level. This unified judiciary was designed to function independently while ensuring the effective administration of justice throughout the country.

Over the decades, however, the Indian judiciary has faced mounting challenges arising from population growth, increasing litigation, and institutional constraints. The rapid rise in the number of cases filed annually has contributed to a substantial backlog of pending matters, resulting in delays across all levels of the judicial system. Simultaneously, shortages of judicial personnel, increasing vacancies in courts, and overcrowded prisons due to prolonged undertrial detention have further strained the justice delivery mechanism^[8].

These challenges have highlighted the urgent need for structural and procedural reforms. In this context, Information and Communication Technologies (ICTs) have emerged as a transformative tool for modernizing judicial administration. The integration of digital technologies offers significant opportunities to redesign court procedures, optimize resource utilization, and improve overall efficiency. The objective is not merely to enhance judicial productivity but also to make the justice delivery system more accessible, affordable, transparent, accountable, and citizen-centric.

Recognizing this potential, the 230th Report of the Law Commission of India strongly advocated the adoption of technological innovations across the judicial process, from case institution to final disposal. The Report recommended the creation of comprehensive judicial databases and the implementation of digital tools such as Enterprise Resource Planning (ERP) systems, court management software, electronic filing (e-filing), video conferencing facilities, and other technology-enabled mechanisms. Such innovations can facilitate better case management, enable the consolidation of similar matters, reduce delays, and improve the overall efficiency of courts^[9].

While several countries have successfully leveraged technology to modernize their judicial systems, India has only recently begun to fully embrace the transformative potential of digital governance within the justice sector. Despite being globally recognized for its technological expertise, the country has historically underutilized ICTs within public institutions, including the judiciary. The ongoing digital transformation of courts through initiatives such as the e-Courts Project represents a significant step toward addressing long-standing challenges and realizing

the constitutional promise of timely, efficient, and accessible justice for all ^[10].

Objectives of Digitalization in the Indian Judiciary

India has emerged as one of the world's fastest-growing digital economies, driven by rapid technological innovation and the widespread adoption of digital solutions across public and private sectors. The country's commitment to digital transformation has extended to the justice delivery system, where Information and Communication Technology (ICT) is increasingly being utilized to improve efficiency, transparency, and accessibility. Although the COVID-19 pandemic significantly accelerated the adoption of digital technologies within the legal sector, the process of judicial digitalization had begun much earlier through various e-governance initiatives and investments in court infrastructure.

Recognizing the need to address judicial delays and improve citizen access to legal services, the Government of India initiated several technology-driven reforms, including the implementation of the e-Courts Mission Mode Project. These reforms sought to modernize court administration, reduce case pendency, enhance judicial productivity, and make legal services more accessible to litigants and the public. While substantial progress has been achieved through innovations such as virtual courts, electronic filing systems, digital records, and online judicial services, the journey toward a fully digital judiciary remains an ongoing process ^[11].

The digital transformation of the judiciary is aimed at creating a more efficient, transparent, and citizen-centric justice delivery system ^[12]. The principal objectives of judicial digitalization include:

1. Enhancing Access to Justice

Digital platforms facilitate easier access to judicial services by enabling litigants to file cases electronically, access court records, obtain judgments, and participate in proceedings remotely. This reduces geographical barriers and ensures broader access to justice, particularly for individuals residing in remote and underserved regions.

2. Reducing Case Pendency and Delays

Technology-enabled solutions such as e-filing, digital case management systems, video conferencing, and automated workflows help expedite judicial processes. By streamlining procedural requirements, these tools contribute to reducing case backlogs and promoting timely disposal of disputes.

3. Promoting Transparency and Accountability

The availability of court information through digital platforms enhances public access to judicial proceedings, orders, judgments, and case status updates. Such transparency strengthens public confidence in the judicial system and fosters institutional accountability.

4. Strengthening Case Management

Advanced digital case management systems assist courts in organizing, tracking, and monitoring cases more efficiently. Automation of administrative functions reduces paperwork, minimizes procedural errors, and improves the overall management of judicial resources.

5. Improving Data Availability and Accuracy

The maintenance of comprehensive digital databases, particularly through the National Judicial Data Grid (NJDG), ensures the availability of accurate and up-to-date

information regarding case filings, pendency, and disposal. This facilitates evidence-based policymaking and informed judicial administration.

6. Facilitating Legal Research and Knowledge Sharing

The digitization of judgments, legal records, and court documents enables legal professionals, researchers, academicians, and citizens to access legal information quickly and efficiently. Enhanced accessibility contributes to better legal research and informed decision-making.

7. Ensuring Security and Confidentiality

Digitalization aims to safeguard judicial information through robust cybersecurity frameworks and data protection mechanisms. The objective is to ensure the confidentiality, integrity, and security of sensitive legal records and court proceedings.

8. Supporting Remote Judicial Functioning

Digital platforms enable judges, lawyers, and court personnel to perform their functions remotely when required. This capability proved particularly valuable during the COVID-19 pandemic and has enhanced the resilience of judicial institutions during emergencies and disruptions.

9. Promoting Uniformity Across Courts

Standardized technological infrastructure and digital procedures help establish consistency in judicial administration across different courts and jurisdictions, thereby ensuring equitable access to justice throughout the country.

Evolution of E-Courts in India: Progress, Challenges, and Future Prospects

Over the last two decades, the Indian judiciary has undergone a significant digital transformation, marked by the increasing integration of technology into judicial administration and court processes. The emergence of electronic courts (e-Courts) has revolutionized the delivery of justice by promoting efficiency, transparency, accessibility, and accountability within the judicial system. The adoption of Information and Communication Technology (ICT) has enabled courts to streamline procedures, reduce administrative delays, and provide litigants with easier access to legal services. As a result, the e-Courts initiative has become one of the most ambitious judicial modernization projects undertaken in India.

The journey towards judicial digitalization commenced in 2005 with the launch of the e-Courts Project under the National Policy and Action Plan for Implementation of ICT in the Indian Judiciary. Conceived as a mission to modernize court administration and improve access to justice, the project sought to establish an integrated and technology-enabled judicial ecosystem capable of serving citizens across urban, rural, and remote regions of the country.

The first phase of the project (2007–2015) focused primarily on building the foundational digital infrastructure required for court automation. Major initiatives included the computerization of court records, networking of court complexes through Local Area Networks (LANs), and the establishment of the National Judicial Data Grid (NJDG). The NJDG emerged as a transformative platform by providing real-time access to information regarding case

pendency, case disposal, judgments, and judicial statistics, thereby enhancing transparency and public accountability within the justice delivery system.

The second phase (2015–2020) emphasized the expansion of digital services and the strengthening of technological infrastructure. Key developments included large-scale digitization of judicial records, implementation of e-filing systems, electronic payment facilities, and the adoption of video conferencing technology for conducting court proceedings. During this period, courts at all levels—including the Supreme Court, High Courts, and District Courts—began embracing digital tools to improve efficiency and facilitate remote participation in judicial proceedings. Simultaneously, efforts were made to enhance cybersecurity measures, improve data management systems, and strengthen the digital capabilities of judges, court personnel, and legal practitioners.

The outbreak of the COVID-19 pandemic accelerated the adoption of digital justice mechanisms. With physical court operations severely restricted, virtual hearings became an essential means of ensuring continuity in judicial functioning. The Supreme Court of India pioneered the use of video conferencing for court proceedings, a practice subsequently adopted by High Courts and subordinate courts across the country. This unprecedented shift towards virtual adjudication demonstrated the resilience and adaptability of the judicial system while highlighting the potential of technology to reduce delays and improve access to justice. Nevertheless, the experience also underscored the need for stronger digital infrastructure, particularly in rural and underserved regions.

Some Other Judicial Reforms and Digital Innovations

In addition to the E-Courts Project, several complementary reforms and technological innovations have significantly contributed to enhancing the accessibility, efficiency, and transparency of the Indian justice delivery system. These initiatives seek to bridge the gap between technological advancement and citizens' access to legal remedies, thereby fostering a more responsive and citizen-centric judiciary.

One of the most notable developments has been the introduction of electronic summons and e-filing systems. The adoption of standardized and interoperable electronic methods for serving legal notices and court documents has substantially reduced delays associated with traditional paper-based communication. Simultaneously, the widespread implementation of e-filing platforms enables advocates, litigants, and government agencies to institute and manage cases remotely, eliminating geographical barriers and reducing administrative burdens.

The expansion of virtual and hybrid court proceedings has further transformed judicial functioning. Accelerated during the COVID-19 pandemic and subsequently institutionalized, video conferencing technology has enabled courts to conduct hearings efficiently while ensuring continuity of judicial services. The integration of live-streaming mechanisms has also enhanced transparency and public engagement in judicial proceedings. To date, more than 3.65 crore hearings have been conducted through video conferencing platforms, reflecting the judiciary's growing reliance on digital adjudication mechanisms.

Digital accessibility has been further strengthened through the integration of mobile technologies and unified digital platforms. The E-Courts Services Mobile Application

provides litigants, lawyers, and citizens with real-time access to case status information, hearing schedules, orders, and judgments. Additionally, the implementation of a Single Sign-On (SSO) Service Portal has streamlined access to multiple judicial services through a unified digital interface, reducing procedural complexities and improving user experience.

The judiciary has also begun leveraging emerging technologies to improve court administration and case management. The Supreme Court of India has introduced many tools to assist in legal research, case categorization, and the real-time transcription of oral arguments. These innovations have the potential to enhance judicial efficiency, reduce administrative workload, and support informed decision-making while maintaining the essential role of judicial discretion.

Key Benefits of Digitalization in the Legal Sector

Some of the key benefits of digitalisation in the legal sector are:

1. Enhanced Efficiency and Expedited Case Management

Digital courts significantly improve the efficiency of judicial processes by minimizing the time and resources traditionally spent on physical appearances. Litigants, advocates, judges, and court staff can participate in proceedings remotely, eliminating travel-related delays and logistical challenges. Automated case management systems facilitate streamlined scheduling, electronic filing, and instant access to court records, thereby accelerating case processing and contributing to the timely disposal of disputes.

2. Greater Accessibility to Justice

The adoption of digital platforms has substantially expanded access to judicial services. Electronic filing systems, virtual hearings, and online access to case documents enable litigants to engage with the justice system regardless of their geographical location. This is particularly beneficial for individuals residing in remote or underserved areas where access to conventional court infrastructure may be limited. Digital courts therefore play a vital role in promoting inclusive and equitable access to justice.

3. Increased Transparency and Accountability

Digital court systems enhance transparency by maintaining comprehensive electronic records of proceedings, filings, and judicial orders. Automated case-tracking mechanisms allow stakeholders to monitor the progress of cases in real time, reducing opportunities for procedural irregularities. Furthermore, secure virtual platforms can provide a safer and more comfortable environment for witnesses and vulnerable parties to participate in legal proceedings, thereby strengthening confidence in the justice delivery system.

4. Reduction in Litigation Costs

Traditional court proceedings often involve substantial expenditures related to travel, accommodation, documentation, and administrative processes. Digital courts significantly reduce these costs by enabling remote participation and electronic document management. The financial benefits are particularly evident during appellate proceedings and routine hearings, where parties can avoid

repeated travel and associated expenses, making justice more affordable and accessible.

5. Environmental Sustainability and Paperless Justice

The judicial system has historically relied heavily on paper-based documentation, resulting in considerable consumption of natural resources. Digital courts support the transition toward paperless justice by facilitating electronic filing, digital record-keeping, and online communication. This reduces paper usage, minimizes waste generation, and contributes to environmental conservation efforts, aligning judicial administration with broader sustainability goals.

6. Reduction of Case Backlogs and Expansion of Judicial Reach

Digital technologies enable courts to handle a larger volume of cases with greater efficiency and fewer physical constraints. By reducing delays associated with travel, document processing, and administrative formalities, virtual court systems help alleviate case pendency and improve the overall functioning of the judiciary. Moreover, digital courts extend the reach of judicial institutions, ensuring that legal services can be delivered effectively across wider geographical regions, thereby strengthening access to justice for all citizens.

One of the most significant achievements of judicial digitalization has been the emergence of virtual courts. Virtual courts utilize video conferencing and digital communication technologies to conduct judicial proceedings remotely. These platforms allow hearings, submissions, and case management activities to take place without requiring physical attendance in court premises. Virtual courts have substantially reduced travel costs, saved time for litigants and lawyers, and improved access to justice for individuals residing in distant or inaccessible areas. They have also contributed to reducing procedural delays and ensuring continuity in judicial operations. Despite challenges related to technology, connectivity, and procedural adaptation, virtual courts represent a major step toward a more accessible and technologically integrated justice.

The computerization of district and subordinate courts has significantly enhanced public access to judicial information. Through online databases and court portals, litigants can easily access judgments, orders, case histories, and legal records. This increased accessibility enables individuals to understand legal precedents, monitor case progress, and make informed legal decisions. The availability of digital legal resources also supports lawyers, researchers, and academicians by providing comprehensive access to judicial materials, thereby strengthening legal scholarship and professional practice.

The E-Courts Mission Mode Project represents the cornerstone of judicial digitalization in India. Initiated under the National Policy and Action Plan for ICT in the Indian Judiciary, the project seeks to transform court administration through technology-driven reforms. Its primary objectives include enhancing citizen-centric service delivery, improving judicial productivity, increasing transparency, and ensuring efficient management of court processes.

The project has been implemented in multiple phases. The initial phases focused on establishing digital infrastructure in district and subordinate courts, including the installation

of hardware, networking systems, and case management software. Subsequent phases expanded digital services through e-filing, digitization of records, video conferencing, and online citizen services. The ongoing phase emphasizes the creation of a fully integrated digital judicial ecosystem characterized by paperless courts, artificial intelligence-based solutions, enhanced interoperability, and citizen-friendly online services. These initiatives align with India's broader vision of digital governance and technological modernization.

Challenges to Access to Justice in the Digital Era

Despite remarkable progress in the digital transformation of the judiciary, several challenges continue to impede the realization of universal access to justice^[13]. While technology has contributed significantly to reducing procedural delays and improving case disposal rates, structural and socio-economic barriers remain prevalent.

1. Digital Divide and Accessibility Concerns

One of the most significant barriers is the persistent digital divide. While urban areas generally benefit from better internet connectivity, technological infrastructure, and digital literacy, many rural and remote regions continue to face limited access to digital resources. A substantial segment of the population lacks the necessary technological skills, internet access, or digital devices required to effectively utilize online judicial services. Consequently, digital inequality poses a serious challenge to ensuring inclusive access to justice.

2. Infrastructure Deficiencies

Another significant challenge relates to infrastructural readiness. Although substantial progress has been made at the higher judicial levels, many district and subordinate courts continue to experience shortages of modern hardware, reliable internet connectivity, technical support, and uninterrupted power supply. The successful implementation of paperless court systems requires sustained investment in digital infrastructure and capacity-building initiatives across all levels of the judiciary.

3. Cybersecurity and Data Protection Risks

Cybersecurity and data protection have also emerged as critical concerns in the era of digital justice. The digitization of court records, legal documents, and sensitive personal information increases the risk of cyberattacks, data breaches, and unauthorized access. Ensuring the security, confidentiality^[14], and integrity of judicial data requires robust cybersecurity frameworks, regular security audits, and strict compliance with data protection standards. Ensuring that technological innovation remains aligned with constitutional values of fairness, transparency, and inclusivity is essential for the long-term success of judicial digitalization initiatives.

4. Resistance to Technological Change

Resistance to technological change within segments of the legal profession also presents a challenge. Judges, lawyers, and court staff accustomed to traditional methods may exhibit reluctance in adopting new digital systems. This resistance often stems from limited technological familiarity, concerns regarding reliability, and apprehensions about changing established work practices.

5. Capacity Building and Digital Literacy

Successful digitalization requires not only technological infrastructure but also human capacity. Judges, lawyers, court staff, and litigants must possess adequate digital skills to effectively utilize technological tools. Regular training programs and awareness initiatives are necessary to foster digital competence among all stakeholders ^[15].

Therefore, while digital reforms have substantially strengthened the efficiency and accessibility of the justice delivery system, achieving truly inclusive and equitable access to justice requires continuous efforts to bridge digital disparities, strengthen infrastructure, and promote technological awareness among all stakeholders.

Future Prospects of E-Courts in India

The future of e-Courts in India appears highly promising as technological innovation continues to reshape governance and public service delivery. The judiciary is increasingly moving towards the concept of "Smart Courts," where advanced technologies such as Artificial Intelligence, Blockchain, Big Data Analytics, and the Internet of Things (IoT) will be integrated into judicial processes. These innovations have the potential to enhance transparency, improve efficiency, strengthen accountability, and facilitate evidence-based judicial administration.

The adoption of e-filing, digital documentation, and virtual hearings is expected to become more widespread in the coming years. As digital platforms become more user-friendly and technologically robust, a substantial proportion of civil and criminal proceedings may be conducted electronically, resulting in reduced paperwork, lower litigation costs, and faster dispute resolution.

Bridging the digital divide will remain a key priority. Government initiatives aimed at improving internet connectivity, expanding digital infrastructure, and enhancing digital literacy in rural and underserved regions are likely to play a crucial role in ensuring that the benefits of digital justice are accessible to all citizens regardless of geographical location or socio-economic background.

The growing reliance on digital technologies will also necessitate stronger cybersecurity measures and more sophisticated data protection frameworks. Ensuring the privacy, security, and authenticity of digital judicial records will be essential for maintaining public trust in the digital justice ecosystem.

Recent developments further demonstrate the judiciary's commitment to technological modernization. The introduction of advanced e-filing platforms, expansion of virtual court services, live-streaming of court proceedings, and increased use of AI-based tools indicate a sustained effort to institutionalize digital justice mechanisms. These initiatives reflect a broader vision of creating a citizen-centric, technology-enabled judiciary capable of meeting the demands of a rapidly evolving digital society.

Conclusion

In recent years, the Indian judiciary has embarked upon an extensive journey of digital transformation, driven by a vision to create a more efficient, transparent, and citizen-centric justice delivery system. Central to this transformation is the E-Courts Mission Mode Project, implemented under the National e-Governance Plan, along with the eCourts Services Mobile Application, both of

which reflect India's commitment to leveraging technology for strengthening judicial administration and expanding access to justice.

The E-Courts Mission Mode Project has evolved through multiple phases, each progressively enhancing the integration of technology within the judicial framework. Beginning with the computerization of court records and administrative functions, the initiative has advanced towards the adoption of sophisticated digital solutions, including cloud-based infrastructure, artificial intelligence-driven tools, electronic case management systems, and automated judicial workflows. These technological advancements have significantly improved the efficiency and responsiveness of courts across the country.

Complementing these reforms, the E Courts Services Mobile Application has emerged as an important digital interface between the judiciary and the public. Available on both Android and iOS platforms, the application enables litigants, advocates, and citizens to access essential court-related information such as case status, judgments, orders, daily cause lists, and hearing schedules at any time and from any location. By placing judicial services directly in the hands of users, the application promotes greater transparency, convenience, and public engagement with the justice system.

In an era characterized by rapid technological advancement and increasing digital connectivity, the judiciary's digitalization initiatives seek not only to modernize court administration but also to bridge the digital divide and ensure broader inclusion within the justice system. Through the strategic adoption of Information and Communication Technology, the judiciary has made significant progress in improving accessibility, transparency, and efficiency. Although challenges such as digital inequality, infrastructural gaps, cybersecurity risks, and institutional resistance remain, the achievements of the e-Courts Project demonstrate the immense potential of technology-driven judicial reform.

As digital innovation continues to advance and judicial modernization receives sustained policy support, e-Courts are poised to play a central role in shaping the future of justice administration in India. By fostering a more accessible, transparent, inclusive, and efficient legal system, the digital transformation of the judiciary has the potential to strengthen the rule of law and ensure that justice reaches every citizen in a timely and effective manner.

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assuring the dignity of the individual and the unity and integrity of the Nation. In Our Constituent Assembly this twenty-sixth day of November 1949, do Hereby Adopt, Enact And Give To Ourselves This Constitution.

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