



***“Towards a Modernized and Automated Legal Future —
Empowering Justice, Governance, Integrity, and
Accountability in the Arab Countries”***

The National Legal Digital Platform (NLDP) & AI Driven Applications

Concept paper

Rapid advancements in artificial intelligence (AI) are transforming the legal sector by improving how legal information is collected, analyzed, and applied. However, in many Arab countries, legal documents remain scattered across various sources, making access and interpretation difficult for professionals and citizens alike. The lack of a unified legal information system hinders transparency, efficiency, and governance. To address this, establishing a **National Legal Digital Platform** that consolidates all laws, decrees, regulations, circulars, and court decisions is essential. Such a platform would centralize legal data, facilitate AI-powered research and decision-making, and support legislative and judicial processes. By integrating AI and digital technology, the initiative promotes transparency, accountability, and modernization—paving the way for a more efficient, accessible, and equitable legal system.

1- Introduction

The National Legal Digital Platform (NLDP) is an advanced and modernized approach to creating a national platform where all legal texts are stored and treated intelligently and systemically, by establishing a national system to modernize the publishing and production of any legal text and judicial rulings. This platform provides data for the development of artificial intelligence applications, as well as data for planning and development in a variety of public and legal institutions that produce and regulate legal texts. It also contributes to the development of a system for producing various types of legal texts and judicial regulations.

This modernized approach provides not only access to legal information, but also supports various forms of developmental legal research. It develops the performance system in the fields of knowledge and legal production. It also develops methodologies and work mechanisms of public institutions that produces official legal texts.

Ultimately, the NLDP seeks to **reinforce the rule of law** by integrating innovation and automation into the legal sector, responding to the ongoing digital transformation and the growing use of artificial intelligence in legal professions.

The development of the National Legal Digital Platform is driven by several significant factors and underlying causes that aim to address challenges within the legal system and enhance its effectiveness. The primary rationales to develop the national legal platform, are the following:

2- Primary Rationales to develop the NLDP

- Uphold the principle of access to information, ensuring that no one can plead ignorance of the law.
- Protect citizens' rights and interests through open and reliable access to legal texts.
- Address the limited dissemination of laws in many Arab countries, where most legal texts remain unpublished or hard to access.
- Establish a comprehensive national reference that consolidates all types of legal documents and connects their interrelations.
- Enable advanced, multi-dimensional legal research through an integrated digital system.
- Provide open APIs and digital tools to support AI-powered applications and improve institutional performance.

3- Project Beneficiaries

The National Legal Digital Platform (NLDP) will benefit a wide range of stakeholders across various sectors, which facilitates easy access to legal information and fosters efficiency and transparency in the judicial and legislative processes.

More specifically, the NLDP's beneficiaries are:

- 1- The judicial body including Judges, public prosecutors, lawyers, clerks, notaries, courts' experts, etc.): Judges and legal practitioners can leverage the NLDP to support their decision-making processes by accessing relevant legal information and precedents. Legal professionals, including lawyers, judges, legal researchers, and law students, will have centralized access to a vast repository of laws, regulations, court decisions, and legal precedents. This will streamline legal research and analysis, saving time and effort.
- 2- Policy makers and Governments: Government agencies and policymakers can use the NLDP to access up-to-date legal frameworks and precedents for drafting, revising, and implementing laws and regulations.
- 3- Researches, experts and academics: The NLDP's advanced search capabilities and AI-powered tools will enable faster and more accurate legal research, case analysis, and precedent identification.

- 4- Legal Tech Industry: The NLDP fosters collaboration between the legal and technology sectors, enabling the development of AI-powered tools and applications that enhance legal services and efficiency
- 5- Businesses and Entrepreneurs: Businesses can use the NLDP to stay informed about regulatory changes and compliance requirements, reducing legal risks and ensuring adherence to laws and regulations. And Entrepreneurs in legal technology can leverage the NLDP's APIs and data to develop innovative applications and services that address legal challenges and improve access to justice.
- 6- Civil Society Organizations: CSOs focused on legal advocacy and social justice can leverage the NLDP to access legal information and support their initiatives.
- 7- Public in general: Citizens can access legal information and understand their rights and responsibilities more easily, fostering legal literacy and awareness. The NLDP contributes to improving access to justice by providing individuals with tools and information to navigate legal processes effectively.

4- NLDP's Content

The National Legal Digital Platform is an advanced national legal information platform that includes all types of legal texts, the most notable of which are:

- 01 **Legislations:** All forms of legislative documents, including constitutions, international agreements, laws, decrees, royal orders, ministerial decisions, regulations, regulatory and local administrative decisions, memorandums, circulars;
- 02 **Court decisions** issued by judicial authorities at various levels, including civil, criminal, personal status, commercial, labor, financial, and customs courts.
- 03 **Advisory opinions** issued by various official bodies that have the authority to interpret laws (for example, the Advisory Board of the Ministry of Justice, etc.).
- 04 **Parliamentary discussions and debates** pertaining to the development and interpretation of regulatory legal texts.

All legal information is interconnected, enabling researchers to monitor and analyze the consistency and integration of legal rules and principles, their interpretation, and their proper application by the competent judiciary.

5- Project Objectives

The development of a National Legal Digital Platform (NLDP) is a transformative initiative aimed at consolidating and digitizing diverse legal information, including laws, regulations, court decisions, and legal precedents. This platform will serve as a comprehensive resource accessible to legal professionals, researchers, policymakers, and the general public. In parallel, the NLDP will facilitate the development of **AI-powered tools and applications** that enhance legal research, analysis, and decision-making.

It is important to note that the NLDP is not a traditional databank, but rather a modernized platform that provides access to legal information while also supporting various legal research developments. This new approach aims at improving the performance system in the areas of legal knowledge and production. It also creates methodologies and work mechanisms in any industry that creates an official legal text.

Objectives and Key Benefits:

A. Concerning the legal texts

- Provide easy access to all legal information in order to raise legal awareness under the auspices of the "right to information" principle.
- Prevent contradictions between legal texts and ensure their coherence by automatically updating and linking them together.
- Monitor deficiencies in legal production and legislative drafting in order to improve and develop legislative performance.
- Facilitate the development of legislative performance at the institution level as a whole, partial government level, or individual level.
- Provide additional resources for planning, management development, and raising the level of distinguished legal investment.
- Provide the resources required for legal, social, and economic research.

B. Concerning the court decisions

- Enhance the drafting and quality of judicial decisions, improving efficiency in the application of the law.

- Modernize judicial methodologies at both institutional and individual levels to accelerate proceedings, improve judgment drafting, and reduce judicial costs.
- Measure judicial performance, promoting accountability and continuous improvement.
- Analyze court rulings to identify training needs and support ongoing judicial capacity-building.
- Conduct jurimetric studies to refine legal principles, modernize judicial drafting, and optimize court administration.
- Develop a Juri-Cybernetic system to organize, standardize, and automate the drafting and management of legal and judicial documents.

6- Project Outputs

The **National Legal Digital Platform (NLDP)** generates a wide range of outputs that substantially contribute to the modernization of the legal and judicial sectors.

1. **Comprehensive National Legal Repository:** A centralized digital platform encompassing all national legal documents — including laws, decrees, circulars, national and local decisions, international and bilateral conventions, regulations, and judicial rulings issued by various judicial authorities.
2. **Innovative Drafting and Typesetting Tools:** Advanced techniques for drafting and formatting legislation and court decisions to enhance the clarity, accessibility, and usability of legal texts.
3. **Advanced Legal Retrieval and Analytics System:** A sophisticated AI-powered retrieval program with monitoring and analytical capabilities that enables legal professionals to navigate complex legal frameworks efficiently. This system uses advanced analytics to support **comprehensive legal research, interpretation, and decision-making.**
4. **AI-Powered Applications for the Legal Profession:**

The NLDP supports the development of expert systems and artificial intelligence technologies designed to enhance institutional performance and legal innovation, including:

- **Analytical Statistical System:** A tool assisting judicial and public institutions in **strategic planning** through accurate data collection, analysis, and dissemination. It supports policy development by providing up-to-date information on judicial appointments, performance, training needs, and institutional structures.
- **Automated Judgment Simulation System:** An AI-based system that uses **natural language processing (NLP)** to analyze digitized court records and simulate judicial reasoning. It extracts and categorizes key legal information such as case details, legal

arguments, and precedents, supporting predictive applications in areas like tax, labor, civil, and criminal law.

- **Judicial Performance Measurement System:** A mechanism to **measure judicial performance**, in whole or in part, promoting transparency, accountability, and continuous professional development. For example, it contributes in identifying training and development needs for judicial personnel based on the performance data.
- **Jurimetrics-Based Analytical Studies:** Research applying data analysis and predictive modeling to develop legal rules and principles, and improve **legal drafting, judicial administration, and policy development**. It also supports **evidence-based policymaking**, enabling legislators to draft more effective and coherent laws and regulations. Moreover, **jurimetrics research** contributes significantly to advancing legal technology and developing innovative tools that enhance the efficiency and effectiveness of legal professionals.

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The Arab Center for the Development of the Rule of Law and Integrity (ACRLI) developed the National Legal Digital Platform (NLDP) with the help of experts with extensive knowledge and experience in informatics and law, all under the supervision of Dr. Wassim Harb. The NLDP is a modernizing and developmental approach that has been duly registered in order to be legally protected. It is considered as an essential step toward modernizing and improving the performance of public institutions, as well as consolidating the rule of law.

The project has been showcased internationally, notably at the **2022 International Justice Conference in The Hague**, where it was recognized as an innovative model for digital transformation in the legal sector.