

THE DIGITAL JOURNEY : PROGRESS AND POTENTIAL

Ika Ahyani Kurniawati

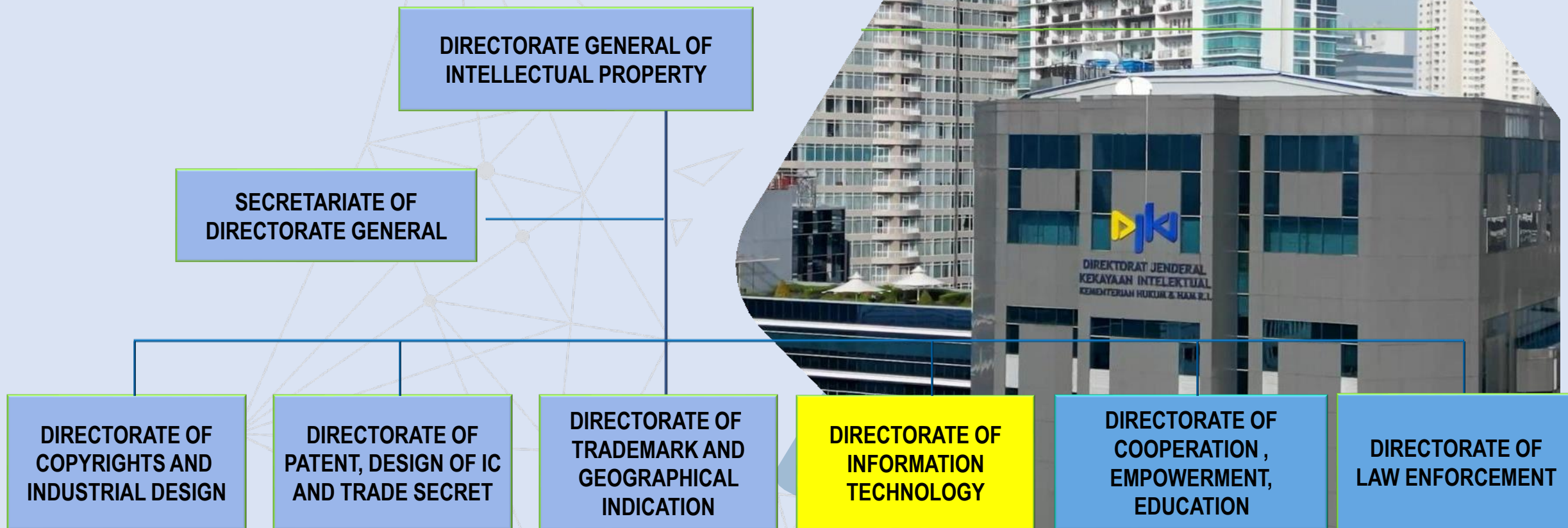
The Director of Information Technology

Directorate General of Intellectual Property (DGIP)
Ministry of Law of Republic of Indonesia

Geneva, April 16, 2025



THE ORGANIZATIONAL STRUCTURE OF DGIP



The Directorate of Information Technology was established in 2001

EARLY DEVELOPMENTS OF THE DGIP'S DIGITAL SYSTEM



Microsoft Access application was used to manage the Patent Document Requests

1995

The Information Technology Directorate has been established

2001



1992

IP document requests were submitted and processed manually

1999

Development of applications for Patents, Trademarks, Copyrights, and Industrial Designs

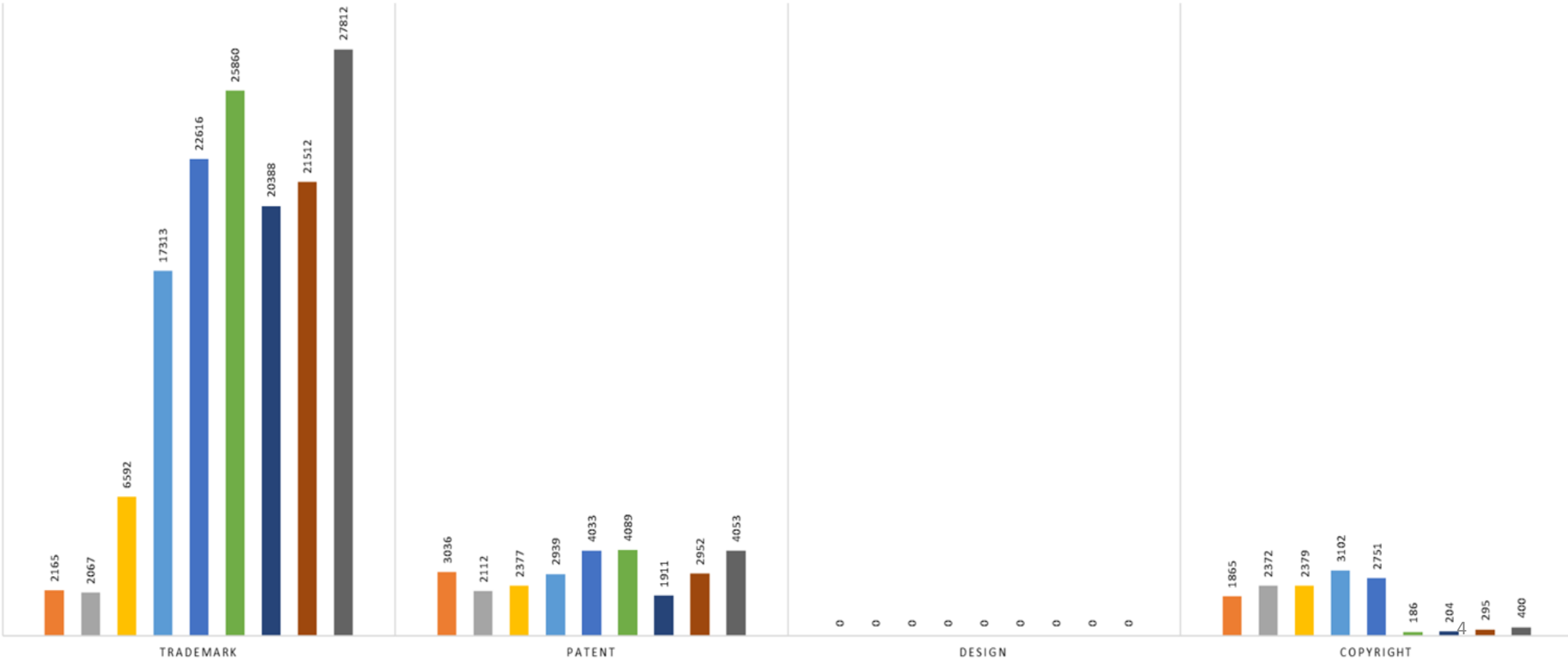
2010

The development and use of the IP Administration System, 'BERINGIN' (Trademark Application) and IPDL (Intellectual Property Digital Library), occurred from 2010 to 2011

1992-2000

NUMBER OF APPLICATIONS

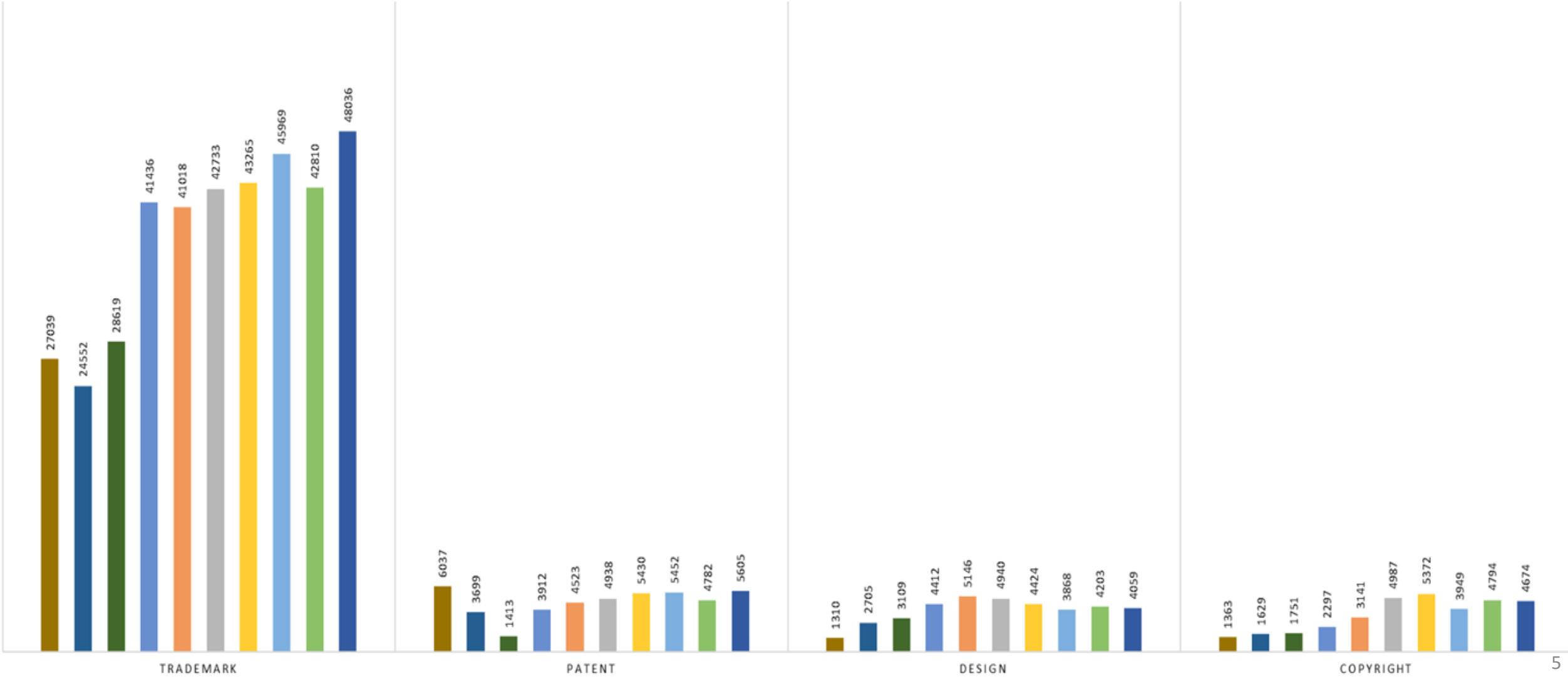
1992 1993 1994 1995 1996 1997 1998 1999 2000



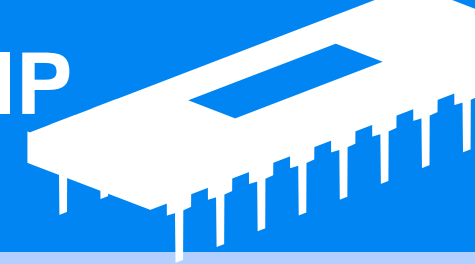
2001-2010

NUMBER OF APPLICATIONS

2001 2002 2003 2004 2005 2006 2007 2008 2009 2010



THE ERA OF DIGITALIZATION OF DGIP



2011

Industrial Property Administration System (IPAS) was developed in collaboration with WIPO

2012

IPAS Trademark Application was launched on August 1, 2012

2013

IPAS for Industrial Design was launched on May 27, 2013, and IPAS for Patents, on October 7, 2013

2014

The development of e-filing application

2015

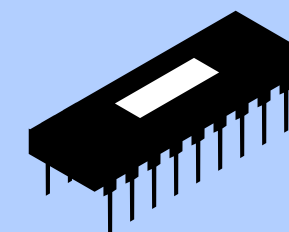
The launch of eRenewal Application (an Online Trademark renewals) and The Online Copyright Application

2016-2018

The development of e-filing led to the initiation of online applications

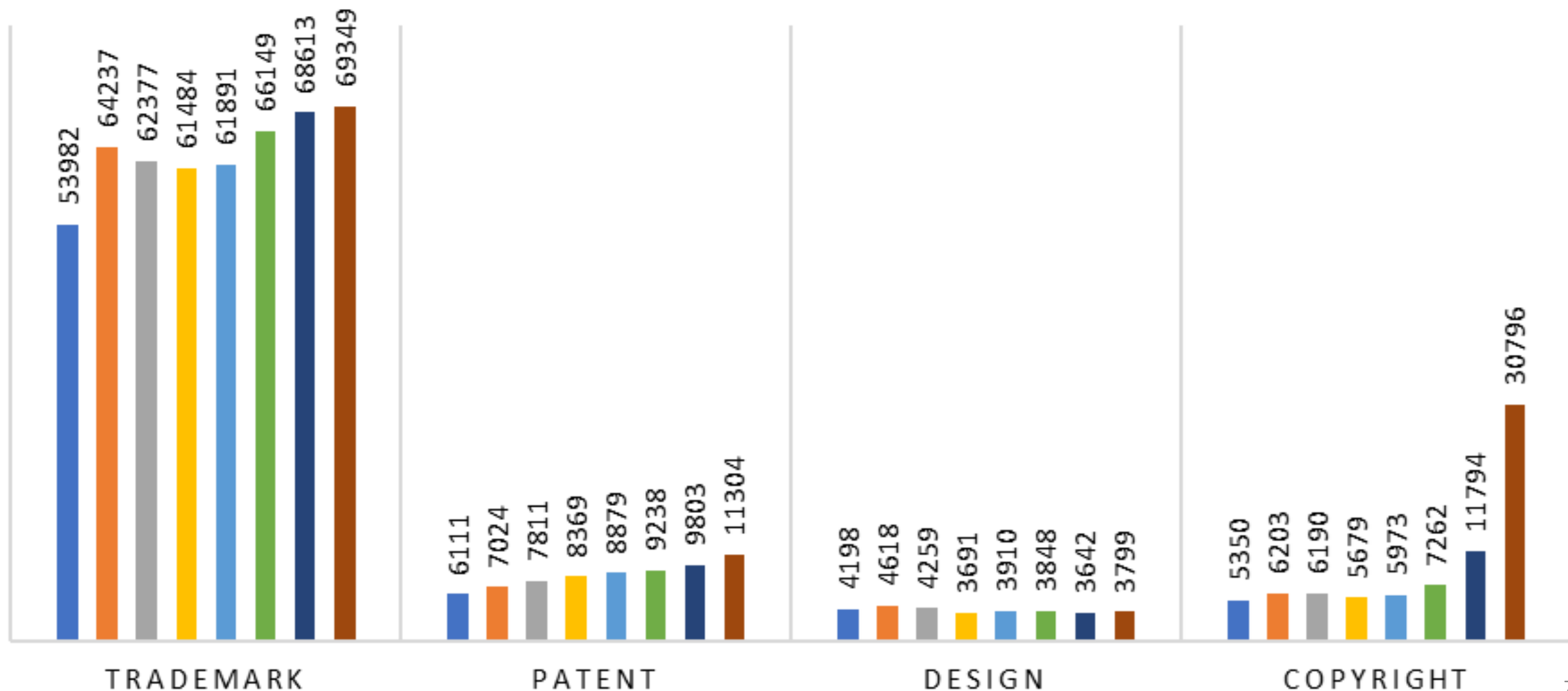
2019

The Copyright Application has been completely online

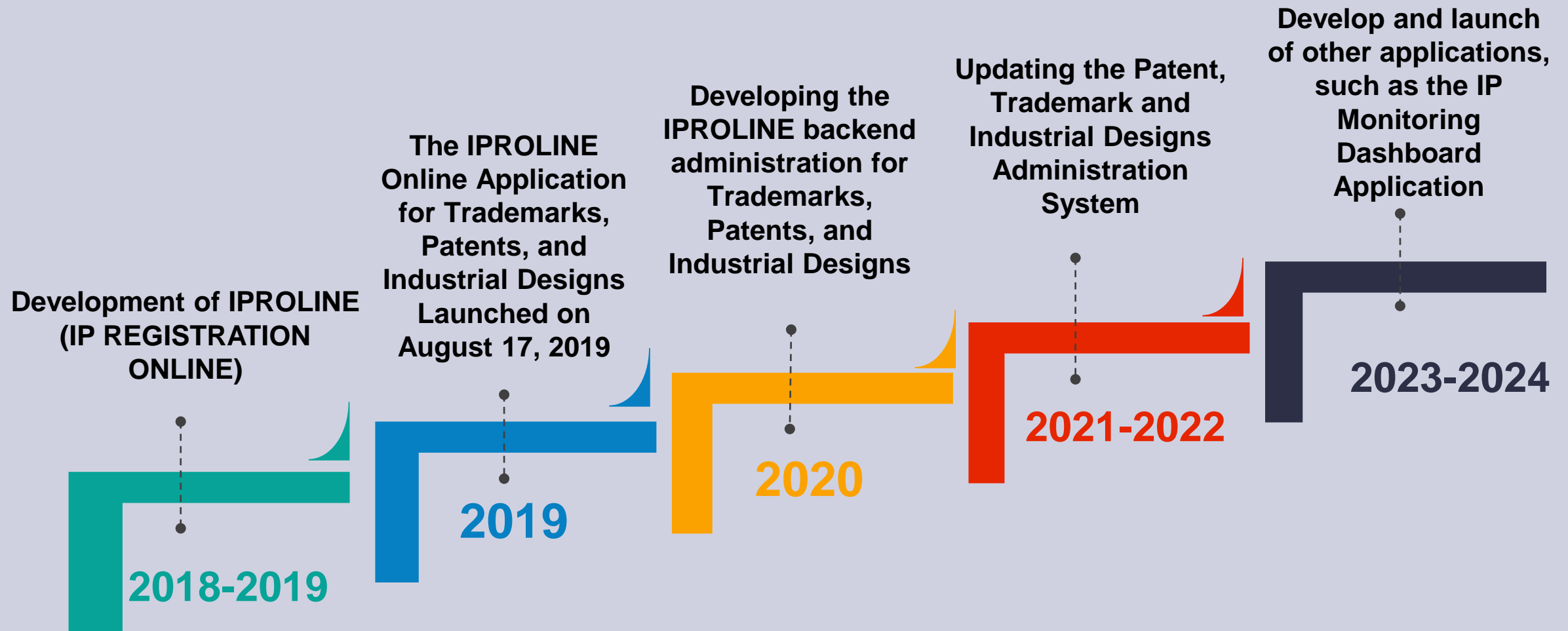


NUMBER OF APPLICATIONS

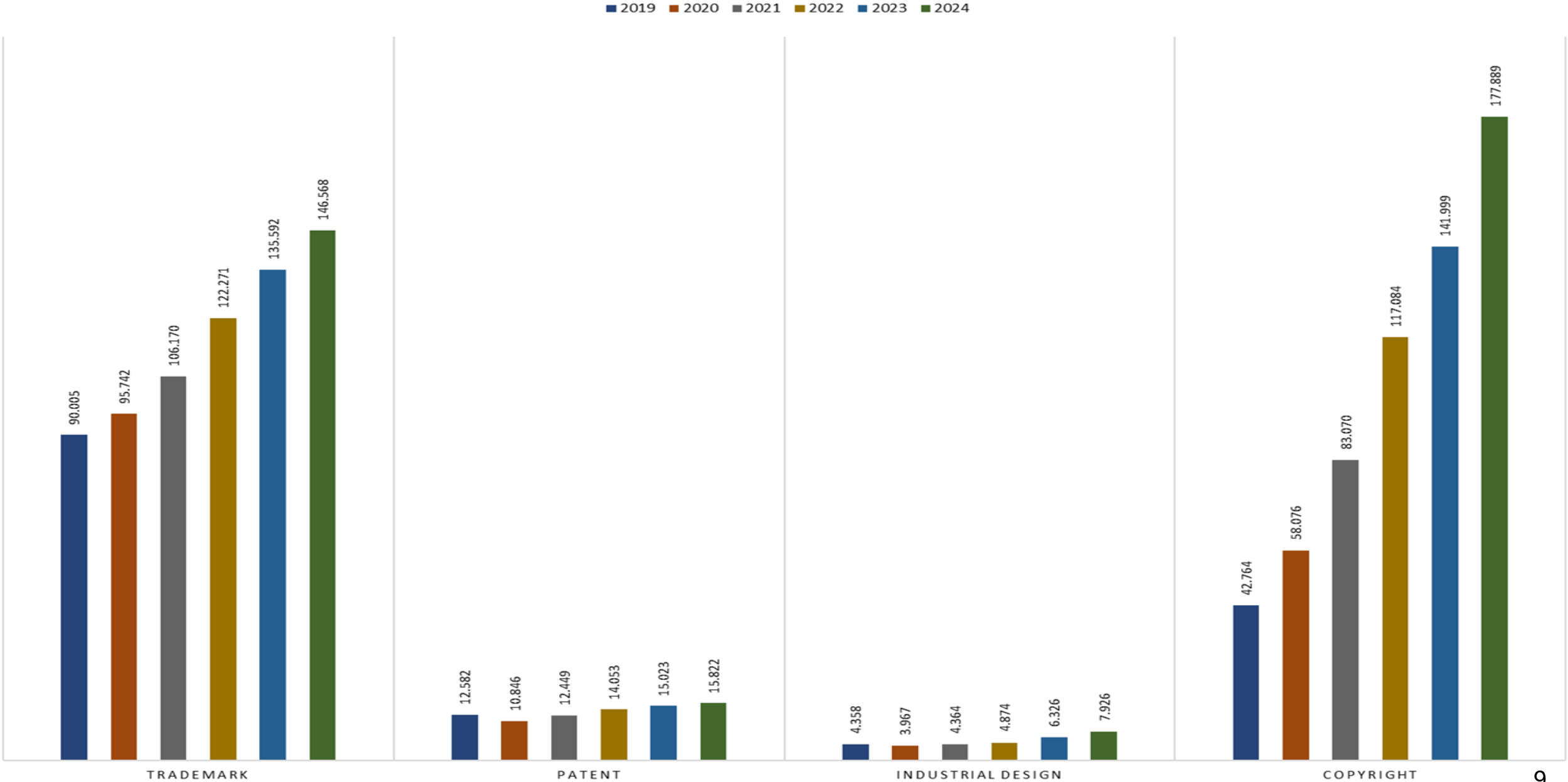
■ 2011 ■ 2012 ■ 2013 ■ 2014 ■ 2015 ■ 2016 ■ 2017 ■ 2018



THE DIGITAL TRANSFORMATION OF DGIP



2019-2024





The Pandemic: Work From Anywhere (WFA) and Stay Connected



Employees

VPN



**The DGIP
Online Filing
System**

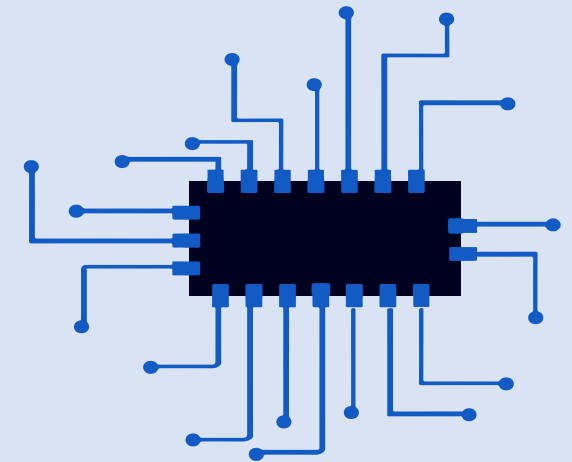


Applicants



THE DGIP ONLINE FILING SYSTEM

1. Trademark: merek.dgip.go.id
2. Patent: paten.dgip.go.id
3. Copyright: ehakcipta.dgip.go.id
4. Industrial Design: desainindustri.dgip.go.id
5. Integrated Circuit Layout Design: dtlst.dgip.go.id
6. Geographical Indication: ig.dgip.go.id
7. Trade Secret : rahasiadagang.dgip.go.id
8. IP Communal: kikomunal-indonesia.dgip.go.id



THE AUTOMATED APPROVAL SERVICE

COPYRIGHT

Automated Copyright registration launched on December 20, 2021 and Copyright registration document is generated approx. 10 minutes

PATENT

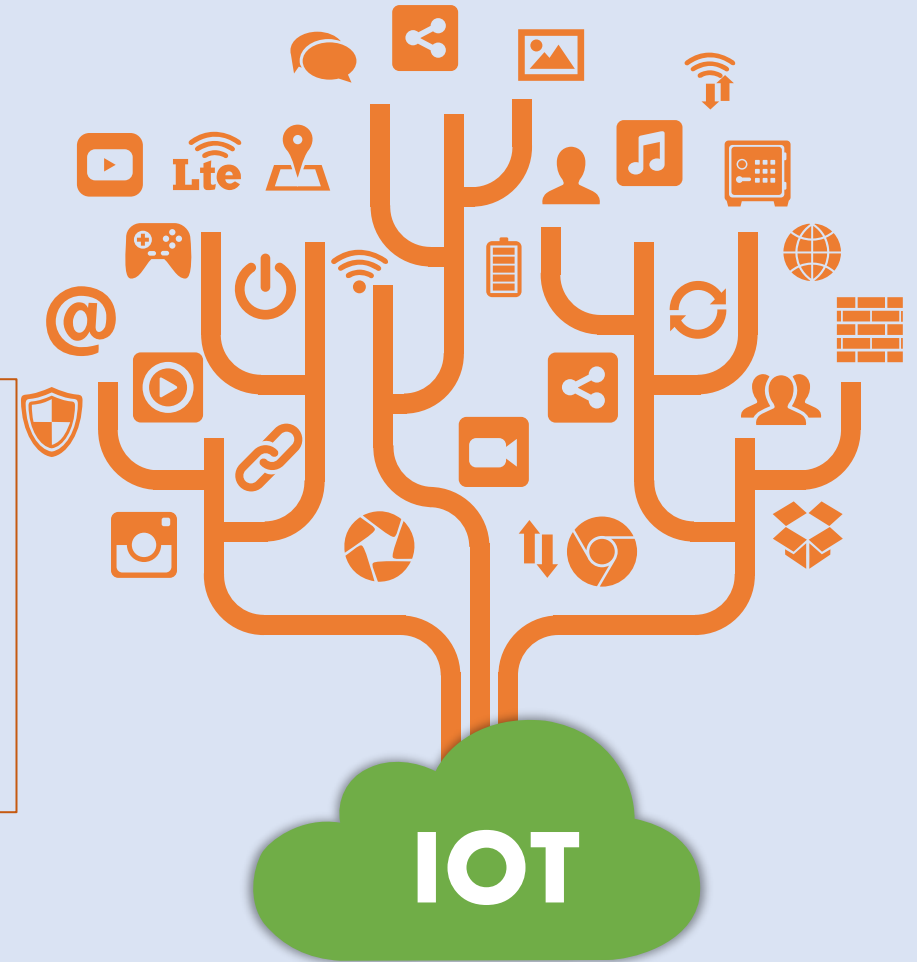
**Automated
Patent Annual Fee
Payment**

TRADEMARK

Automated Trademark services launched on October 30, 2022, apply to:

1. Trademark protection renewal
2. License registration
3. Official certificate citation

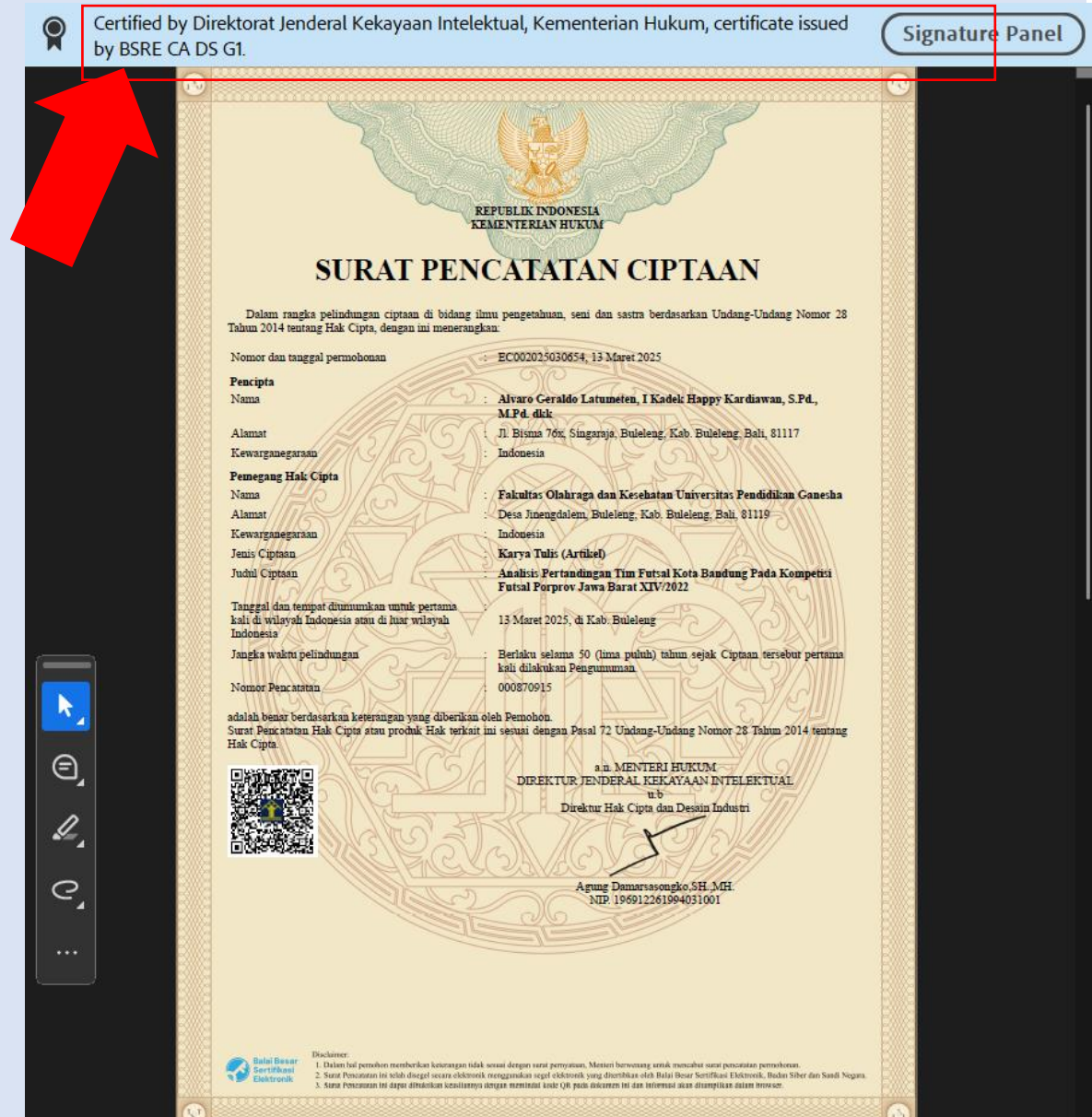
The document of renewal, license registered and official certificate citation are generated approx. 10 minutes.



THE ELECTRONIC SEAL (E-SEAL)

DGIP, in collaboration with BSRÉ - BSSN (The Electronic Certification Center, The National Cyber and Code Agency, Republic of Indonesia), offers services that:

- Ensure the integrity of data
- Guarantee the legitimacy of documents issued by institutions or companies
- Protect against unauthorized modifications and fraudulent activities
- Verify the integrity and ownership of documents
- Authenticate the source of documents issued by relevant institutions.



OTHER DGIP ONLINE SERVICES

Intellectual Property Marketplace

<https://marketplace.dgip.go.id>

A platform for facilitating cooperation or collaboration between intellectual property owners and potential investors

01

IP Data Base Searching Platform

<https://pdki-indonesia.dgip.go.id>

(A platform for searching Intellectual Property data in Indonesia)

02

Digital Education

- Learning Management System
- Library -> <https://perpus.dgip.go.id/>
- Online Education/Self Learning Course
- ekii.dgip.go.id

03

Law Enforcement

<https://pengaduan.dgip.go.id/>

A platform for submitting complaints concerning IP infringements

04

ARTIFICIAL INTELLIGENCE

The Indonesian IP Database Searching Platform : <https://pdki-indonesia.dgip.go.id>

- An online platform for searching Indonesian Intellectual Property Data utilizes Artificial Intelligence (AI)
- Search Engine (Image Search, Text Search):
 - Image Similarity (Trademark Image Search, Design Image Search)
 - Phonetic Search for Trademark

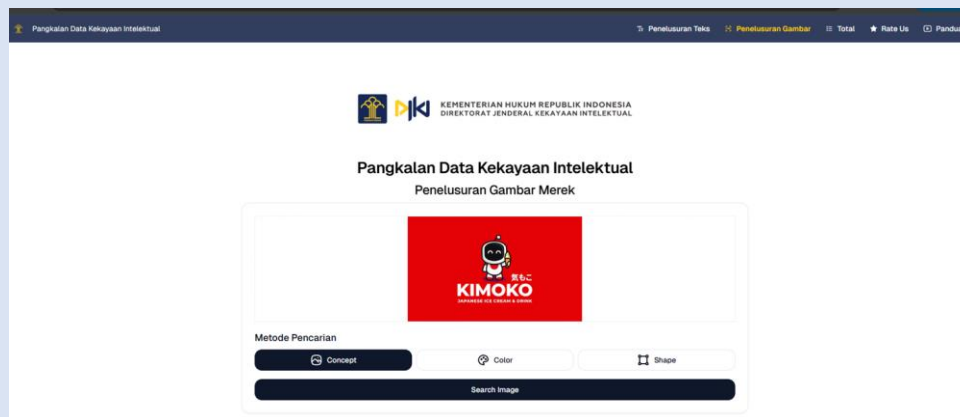
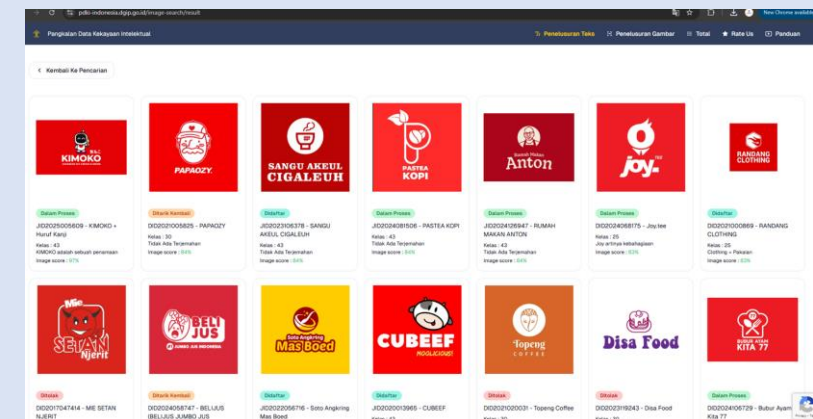
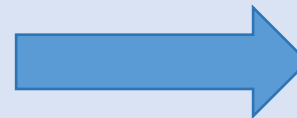


Image Search



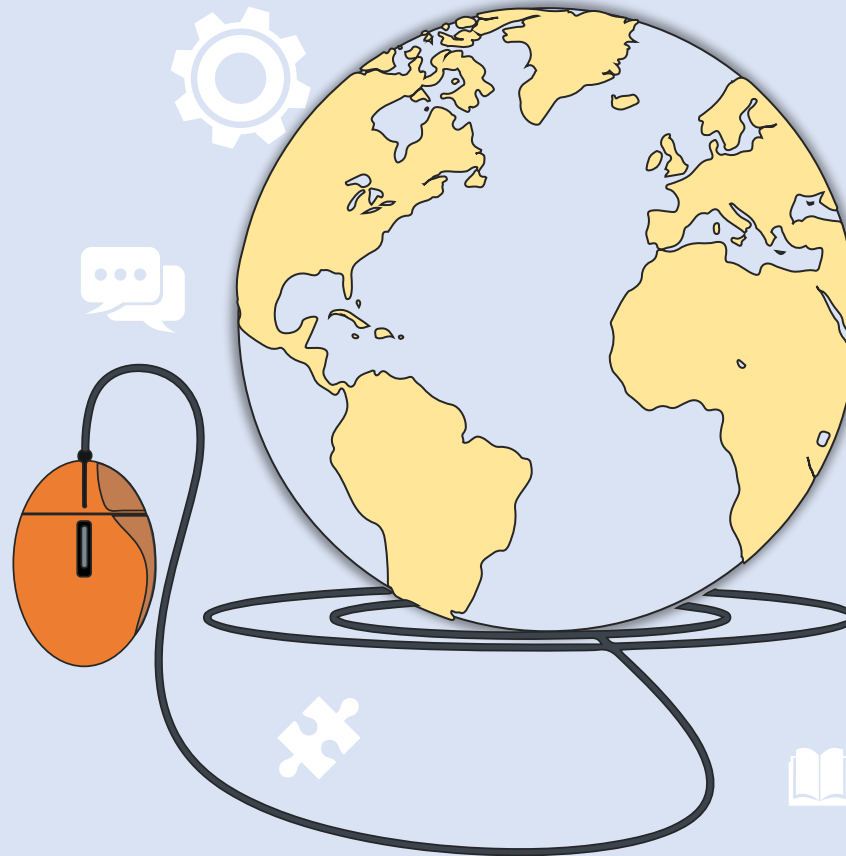
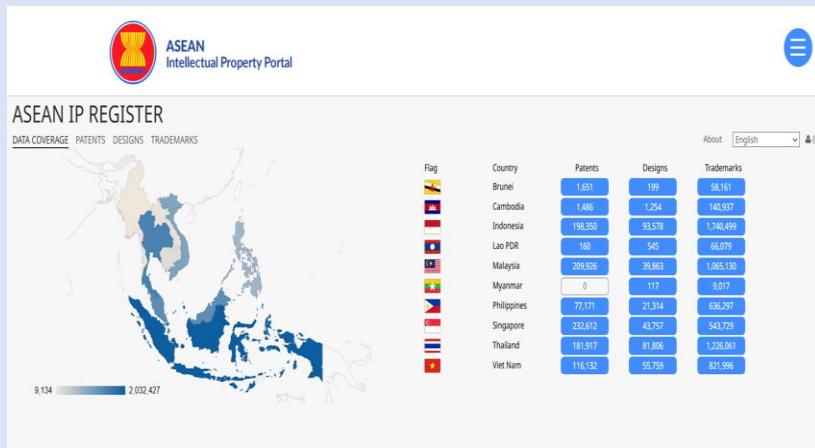
Result

IP REGISTRATION COOPERATION AND DATA EXCHANGE

DGIP - ARIPO

DGIP and ARIPO have engaged in mutually beneficial intellectual property cooperation since 2020, leading to the adoption of Indonesia's e-copyright protection technology system by ARIPO.

ASEAN IP PORTAL ASEAN IP Register (<https://ipregister.aseanip.org>)



NATIONAL COOPERATION

- Ministry of Higher Education, Science and Technology Republic of Indonesia
- Ministry of Tourism and Creative Economy, Republic of Indonesia

INTERNATIONAL COOPERATION

- WIPO (Global Brand, PatentScope, Global Design)
- ASEAN (GI database, PatentScope)
- ASEAN - EUIPO SCOPE IPR
- ASEAN - WIPO
- ASEAN - USPTO
- Japan Patent Office (Guideline Policy on the Use of Exchange Electronic IP Information Data)
- WIPO-CDIP Project: Systematization of statistical data and the design and implementation of a methodology for developing impact assessment on the use of IP System

CHALLENGES



DATA SECURITY AND PRIVACY

Cyberattacks, data theft, personal information leaks.

Mitigations: Implementing of national cybersecurity policies, employing data encryption, and providing security training for employees.



INTEGRATION SYSTEM

Systems are not connected to each other; it is difficult to share data between Ministries.

Mitigations: Development of an interoperability framework, use of standard APIs, and integration through a national data warehouse.



HUMAN RESOURCES

Limited IT experts, skill gap, digital divide, minimal training.

Mitigations: Regular training, digital talent recruitment, and public-private sector/academics collaboration



BUDGET AND PROCUREMENT

Budgetary constraints on IT system development and maintenance, leading to project discontinuation.

Mitigations: Strategic long-term budgetary planning and public-private partnerships

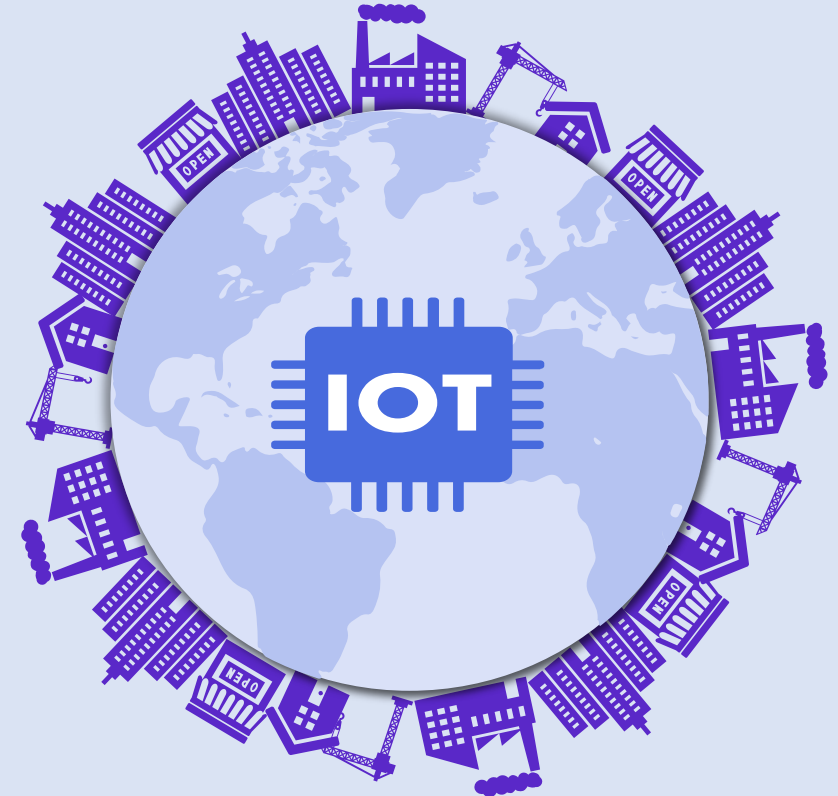
DIGITAL TRANSFORMATION OF THE MINISTRY OF LAW, REPUBLIC OF INDONESIA

❑ The One-Platform consolidates services from the following entities within the Ministry of Law:

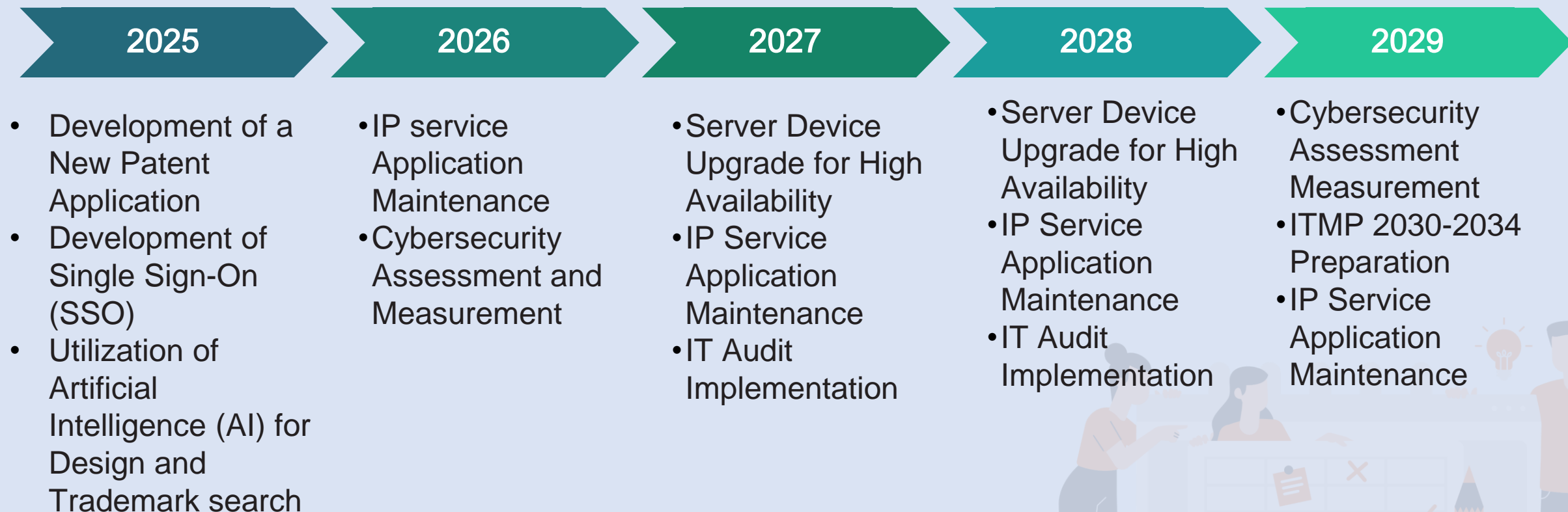
1. Directorate General Intellectual Property (DGIP)
2. Directorate General of General Legal Administration
3. Directorate General of Regulations
4. Centre of Data and Information
5. National Legal Development Agency
6. Human Resources Development Agency

❑ Services :

- Public : e.g. Trademark Requests, Citizenship Requests
- Internal : e.g. Human Resources and Development



DGIP'S IT MASTER PLAN ROADMAP (2025-2029)





TERIMA KASIH

Thank You!

