



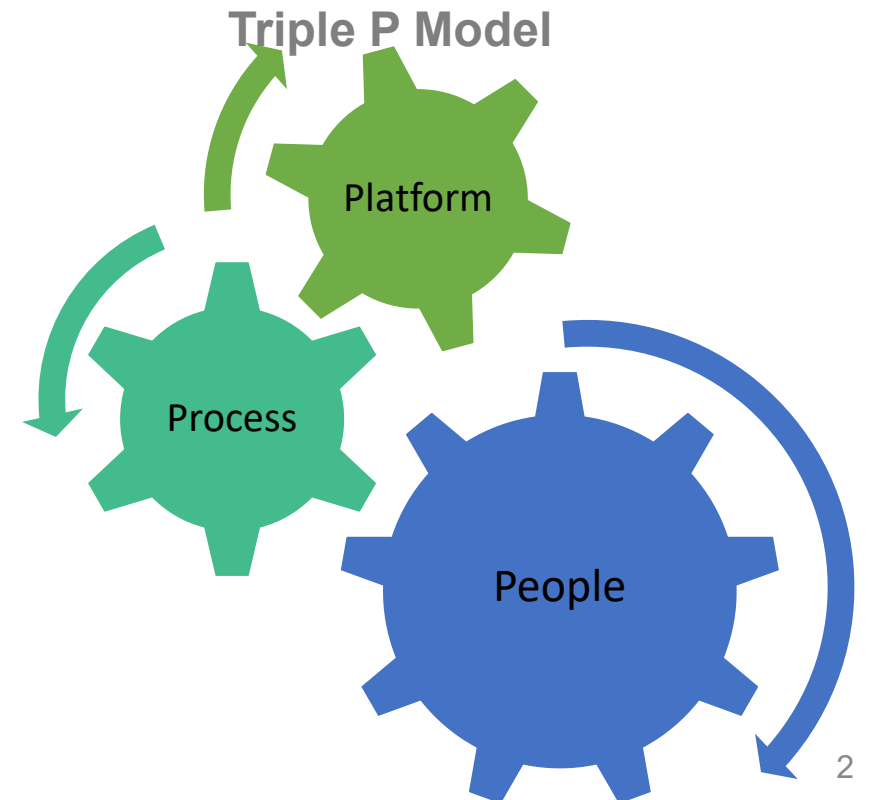
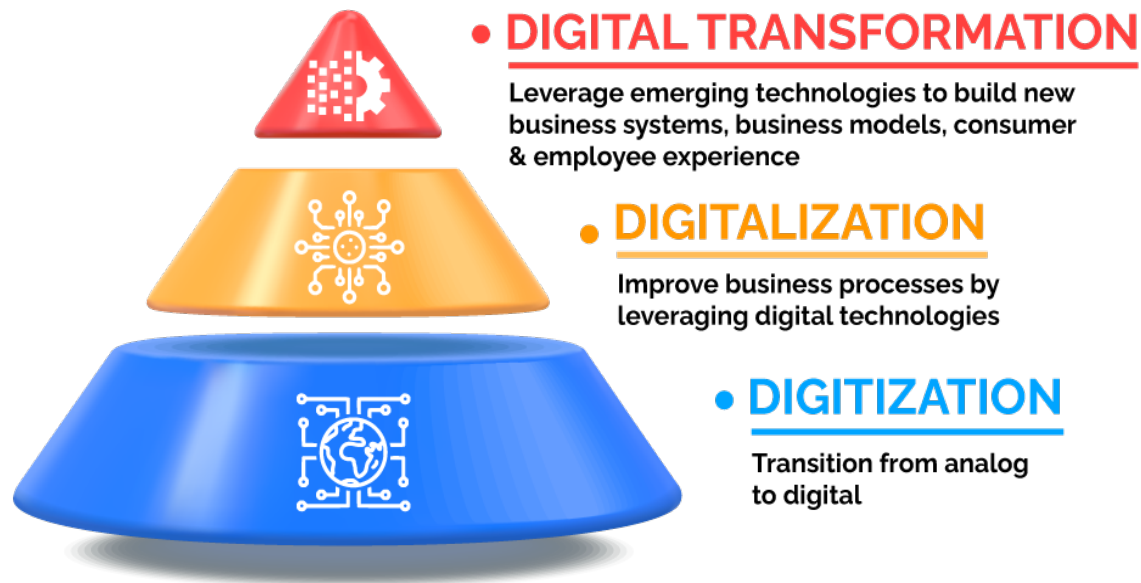
Ministry of Information Technology
& Telecommunication

DIGITAL PAKISTAN





















Digital Transformation of Pakistan

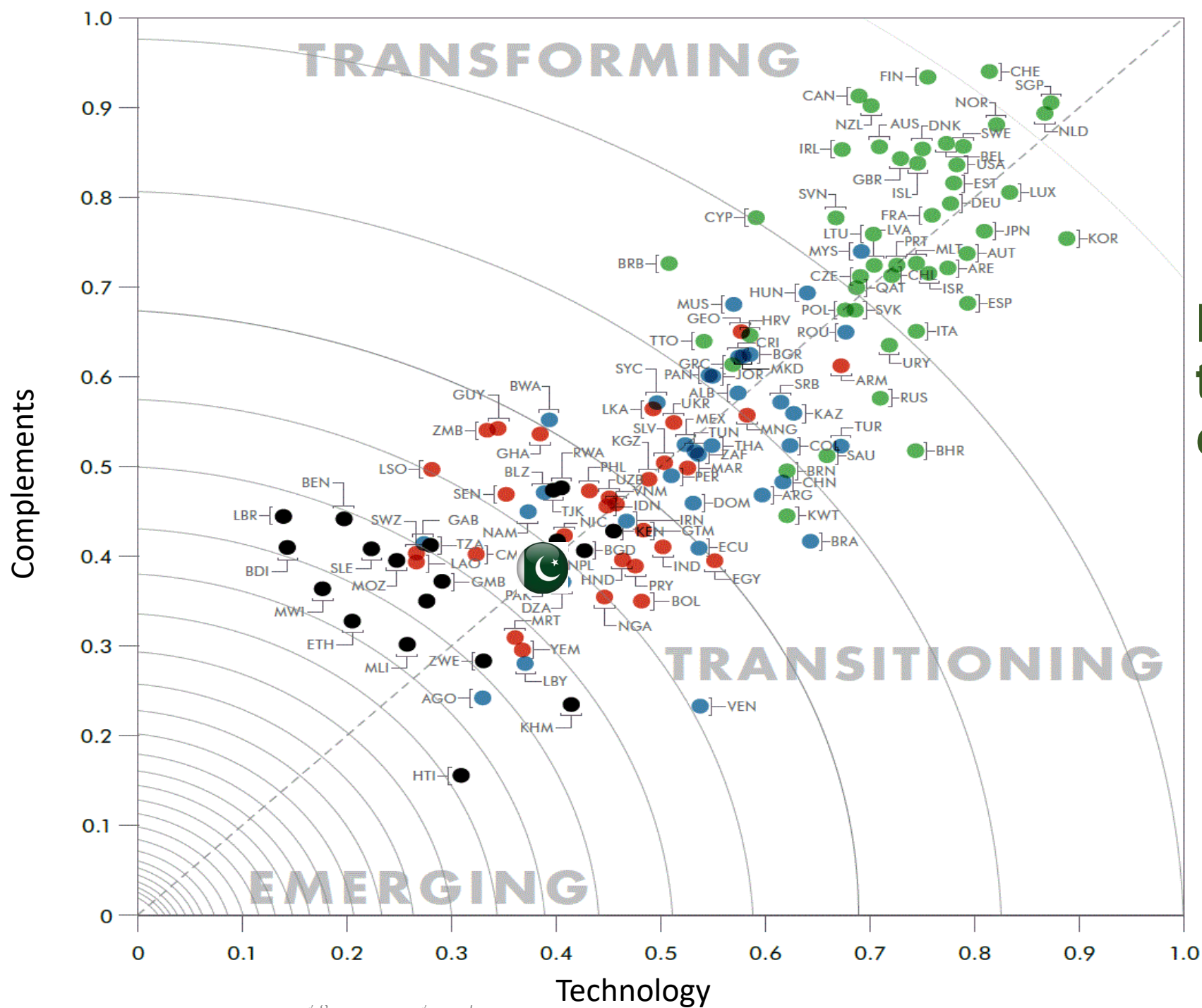
What is Digitization, Digitalization and Digital Transformation

- Improving business processes, business functions, public service delivery, governance, and more by leveraging the digital technology.
- **Digitization** makes Data Digital, **Digitalization** Leads to Digital Business, and **Digital Transformation** requires Digitization and Digitalization



Top 10 Companies by Market Cap

Rank	Name	Market Cap	Country
1	 Microsoft MSFT	\$3.049 T	 USA
2	 Apple AAPL	\$2.818 T	 USA
3	 Saudi Aramco 2222.SR	\$2.065 T	 S. Arabia
^{^2} 4	 NVIDIA NVDA	\$1.970 T	 USA
5	 Amazon AMZN	\$1.817 T	 USA
[∨] 2 6	 Alphabet (Google) GOOG	\$1.798 T	 USA
7	 Meta Platforms (Facebook) META	\$1.233 T	 USA
8	 Berkshire Hathaway BRK-B	\$905.47 B	 USA
9	 Eli Lilly LLY	\$731.18 B	 USA
10	 TSMC TSM	\$671.79 B	 Taiwan



Race between technology and complements

- High-income
- Upper-middle-income
- Lower-middle-income
- Low-income

Complements: Index of quality of institutions, skills and regulations.

Technology: Digital adoption index - businesses, people and governments.

Why Digital Transformation

Efficient public service delivery

Improved governance through greater transparency

Enhanced accountability mechanisms

Greater socio-economic inclusion

Adoption in the digital age to help enable digital economy

DIGITAL PAKISTAN

Privacy & Security



E-Governance



ICT Infrastructure



**Human Resource
Development**



**Innovation &
Entrepreneurship**



**IT & ITeS
Development & Export**



**Fintech, E-Commerce
& Digital Platforms**

Collaboration & Partnership

Some Digital Transformation Initiatives of Govt

E-Office – MoITT/NITB

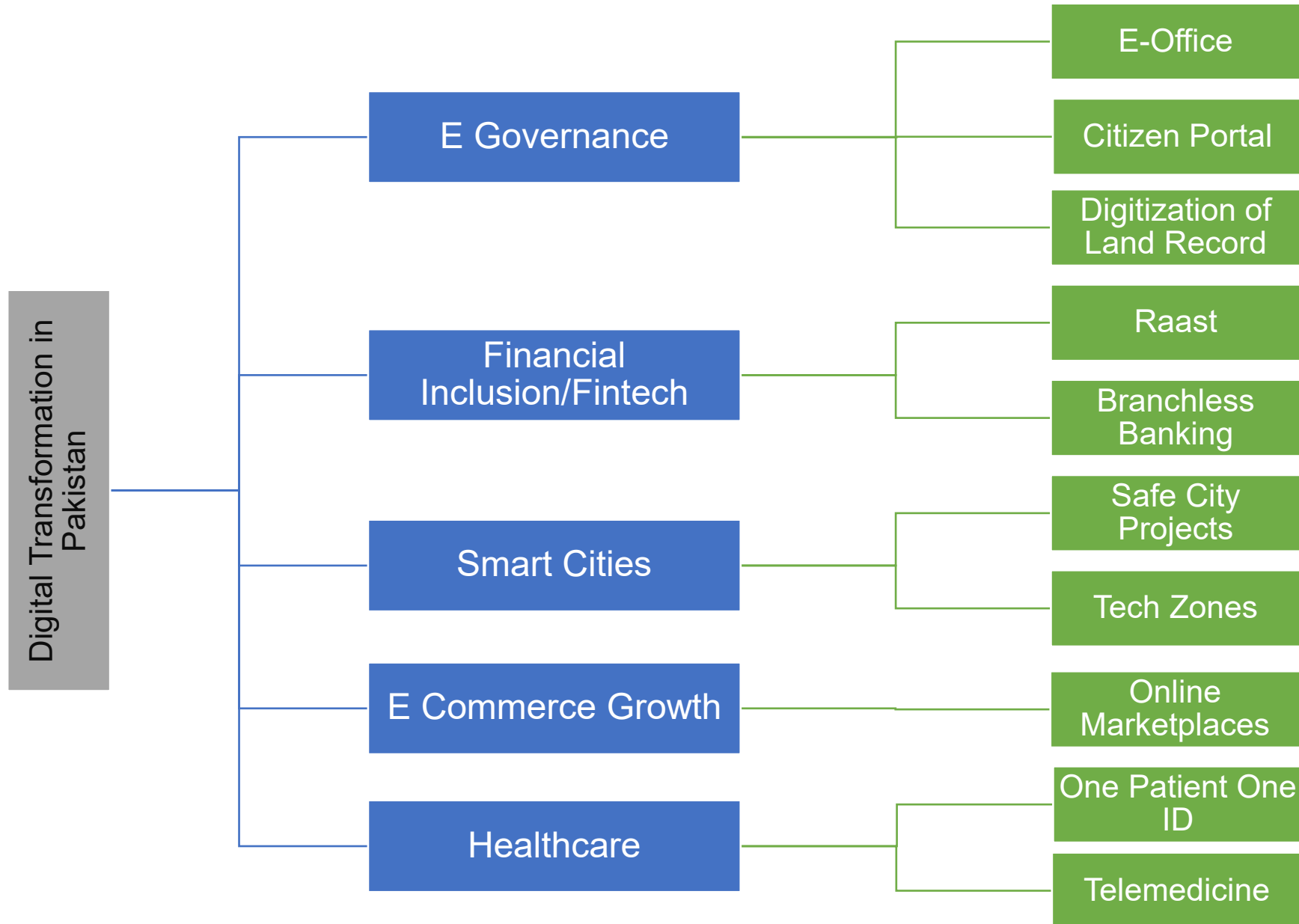
Raast Payment/ Digital Payment SBP

Pak ID, Online Request/Renewal- NADRA

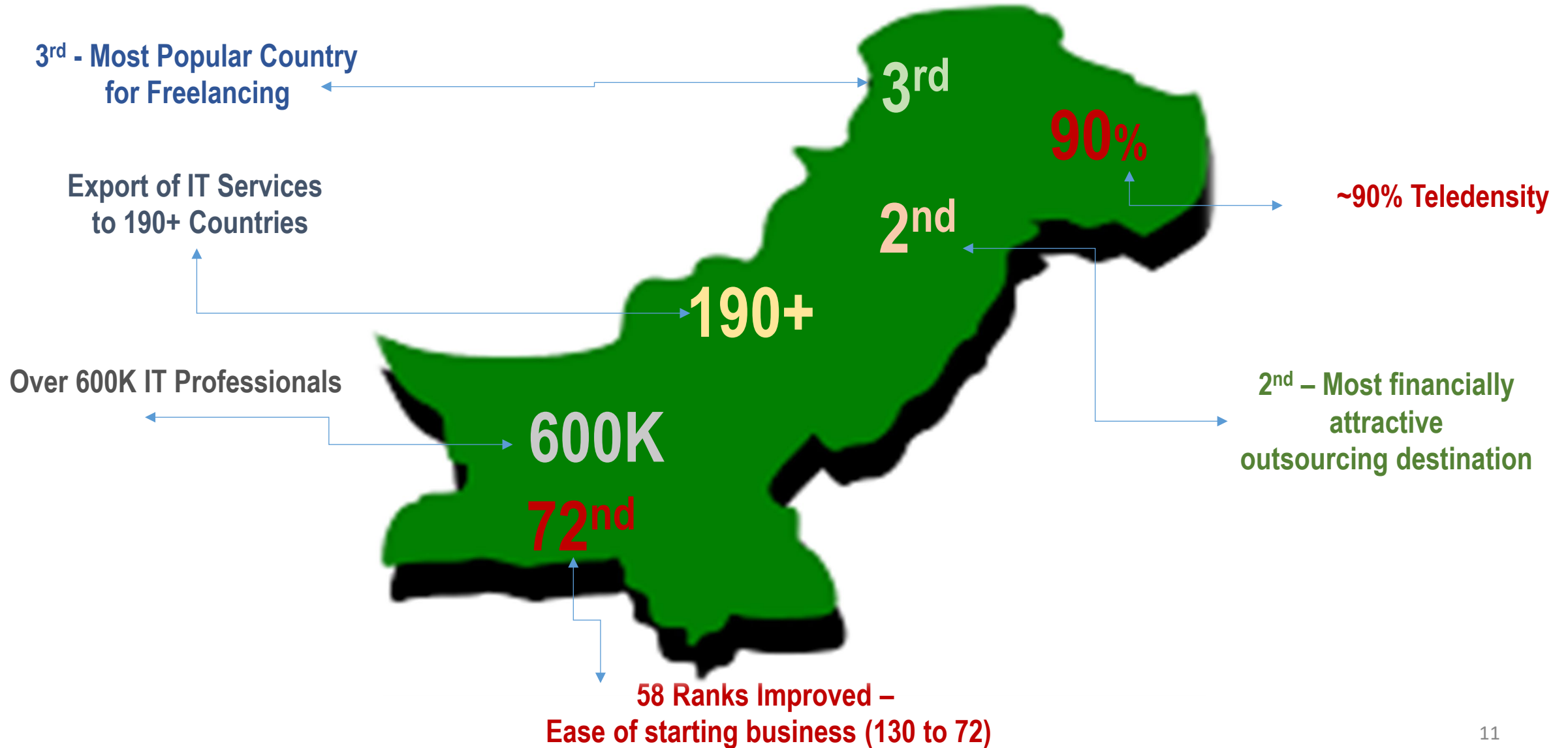
Tax Asaan – Tax Payments - FBR

Digital Census – Pakistan Bureau of Statistics.

Digital Transformation – Strategic Projects/Initiatives



Digital Landscape of Pakistan



Global Cybersecurity Index 2024

The Global Cybersecurity Index (GCI) measures the commitment of countries to cybersecurity in the context of measures across the following five pillars:



Legal



Technical



Organizational



**Capacity
development**



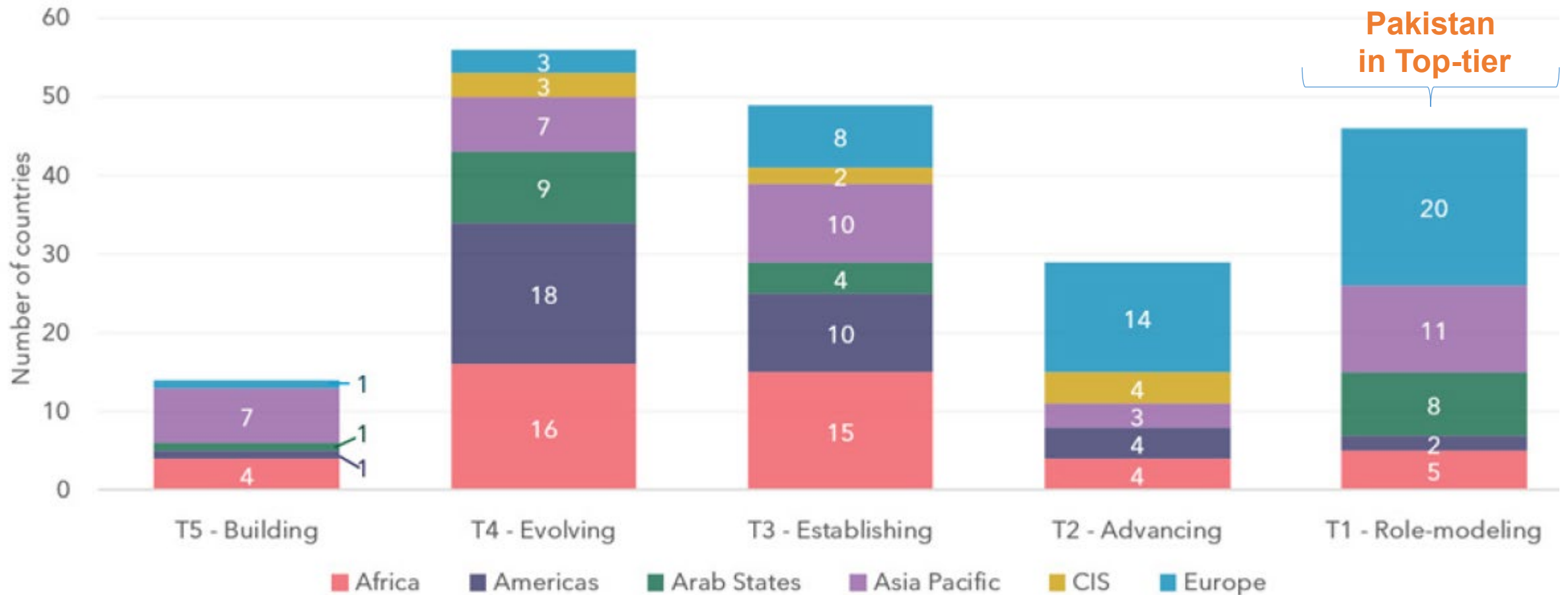
Cooperation

Countries measured	Collection years	Focal points from countries	Average overall score growth since 2020
194	2023-2024	172	27%



Where does Pakistan stand on GCI 2024

- Score has improved from 66% in the last GCI 2021 to 96.7% in the GCI 2024.
- The average score of 194 countries in the current ranking is 65%.



IT Sector Landscape



75k +
ICT Graduates / Year



600k +
IT & ITeS Professionals



20k + SECP Registered
IT & Allied Companies



2nd Largest Freelance pool
In Software & Technology



170 +
Exporting Countries



> \$ 1 B
Raised by startups



100 +
STPs, ITPs & Incubators



\$ 360M + Freelancers'
IT/ ITeS Export Last Year



10+ CoEs (AI, Cyber Security,
Cloud Computing, Big Data)

2022-23

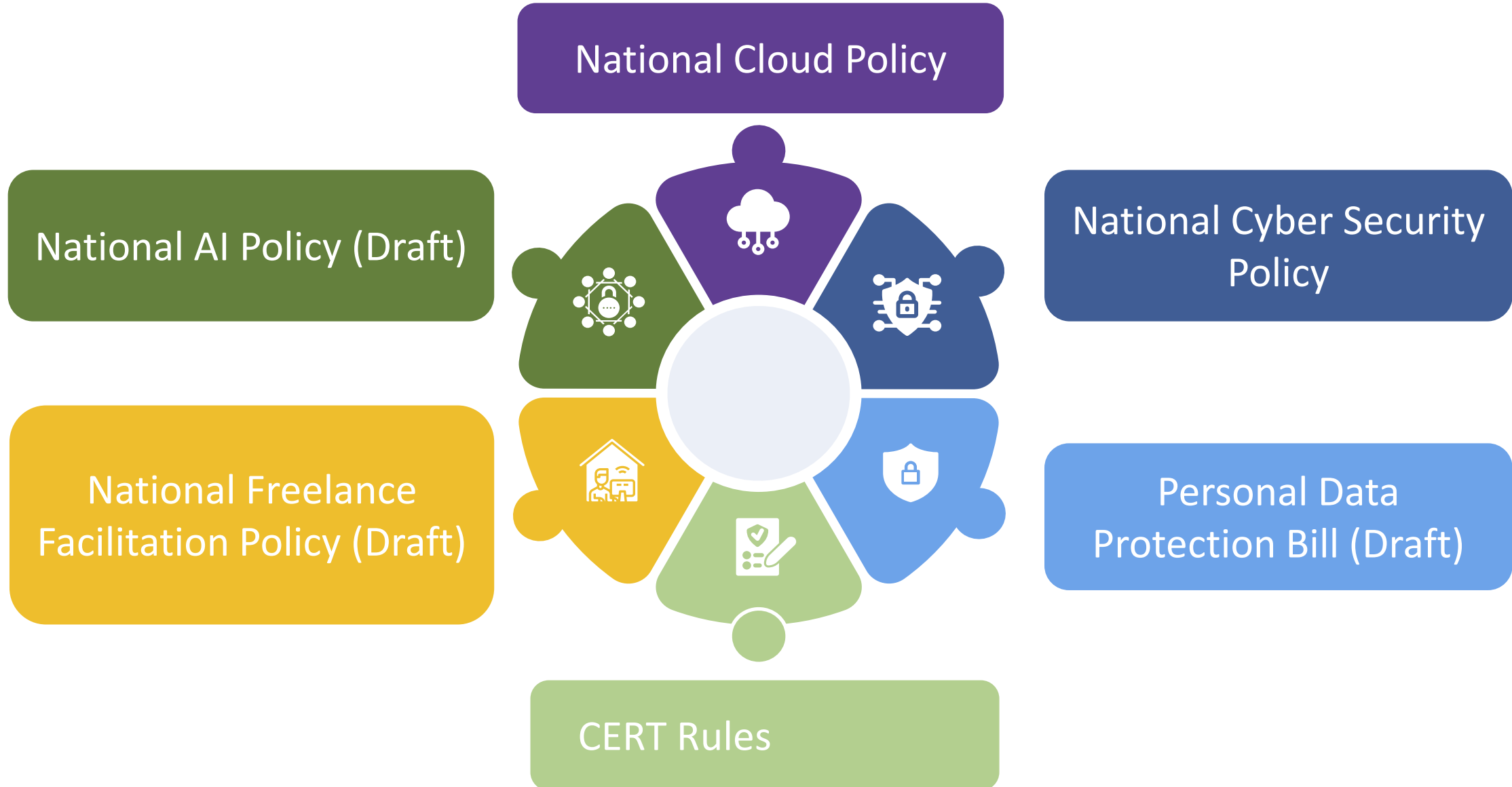
IT & ITeS Export Remittances: **USD 2.6 B**

2023-24

IT& ITeS Export Remittances: **USD 3.2 B**

23% Growth

Digital Transformation – Key policy / legislative Initiatives



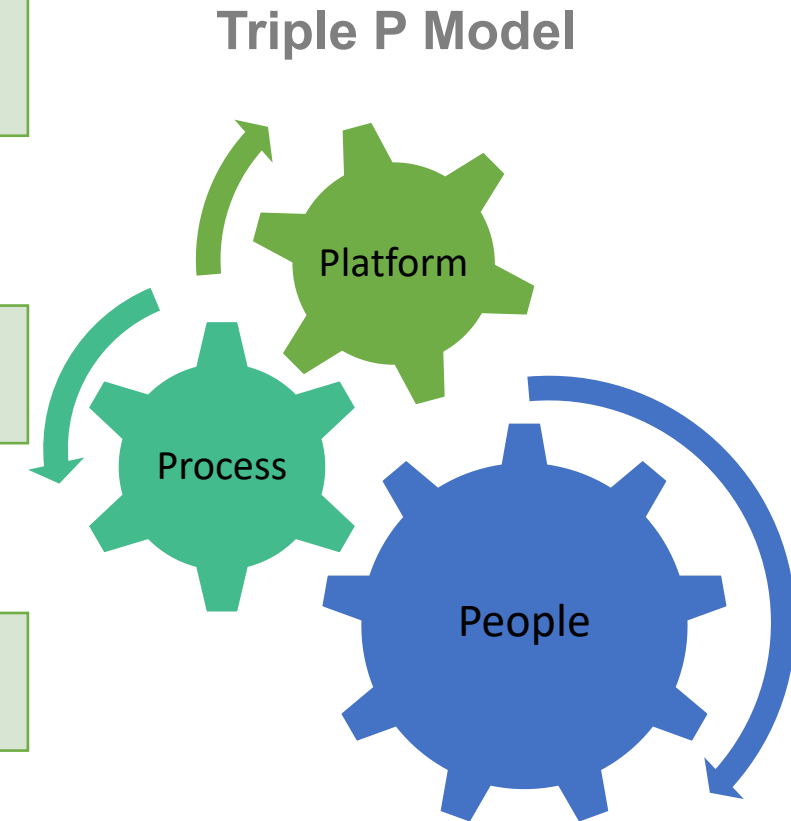
Conclusion

Pakistan is all set for digital transformation. DEEP will help further expedite this transformation.

Digital transformation has other dimensions to it, in addition to technology. People – Process – Platform (Triple P model)

Change management is instrumental to digital transformation with Human factor being an important aspect.

Digital transformation is not just the responsibility of MoITT. All stakeholders have to continue to contribute to reap its full benefit.



Thank You.