

Theme 7

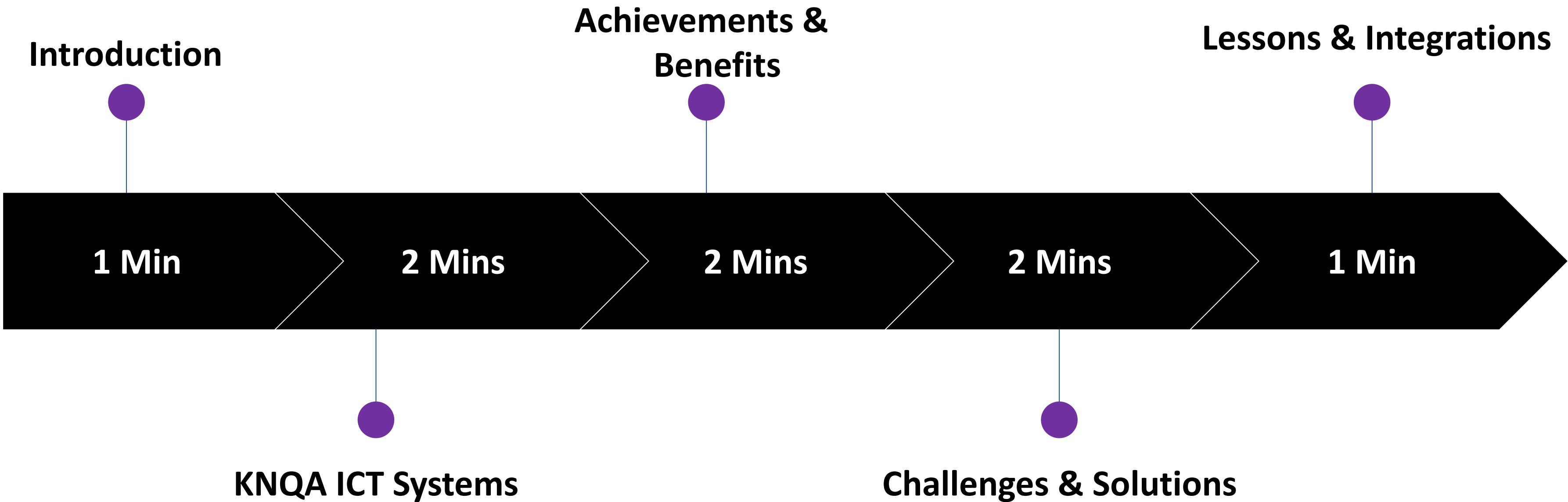


Database Platforms of Qualifications: Status of Implementation of the Kenya National Learners Records Database (KNLRD)

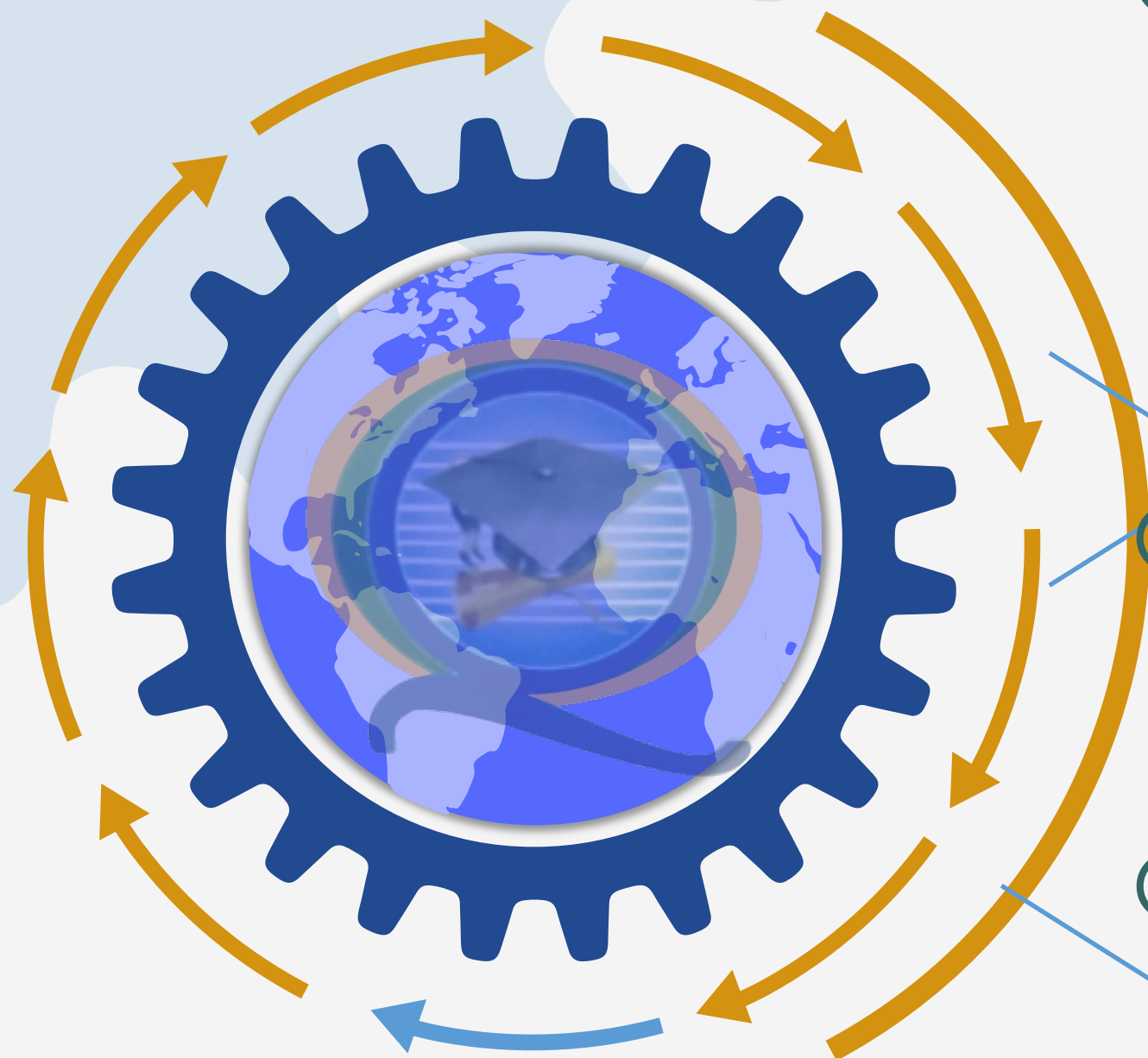
Presented at the Forum for the institutions of National Qualifications
Frameworks, Kinshasa, Congo.

June 18 – 20, 2024.

Presented by : Dr. Alice Kande



Introduction

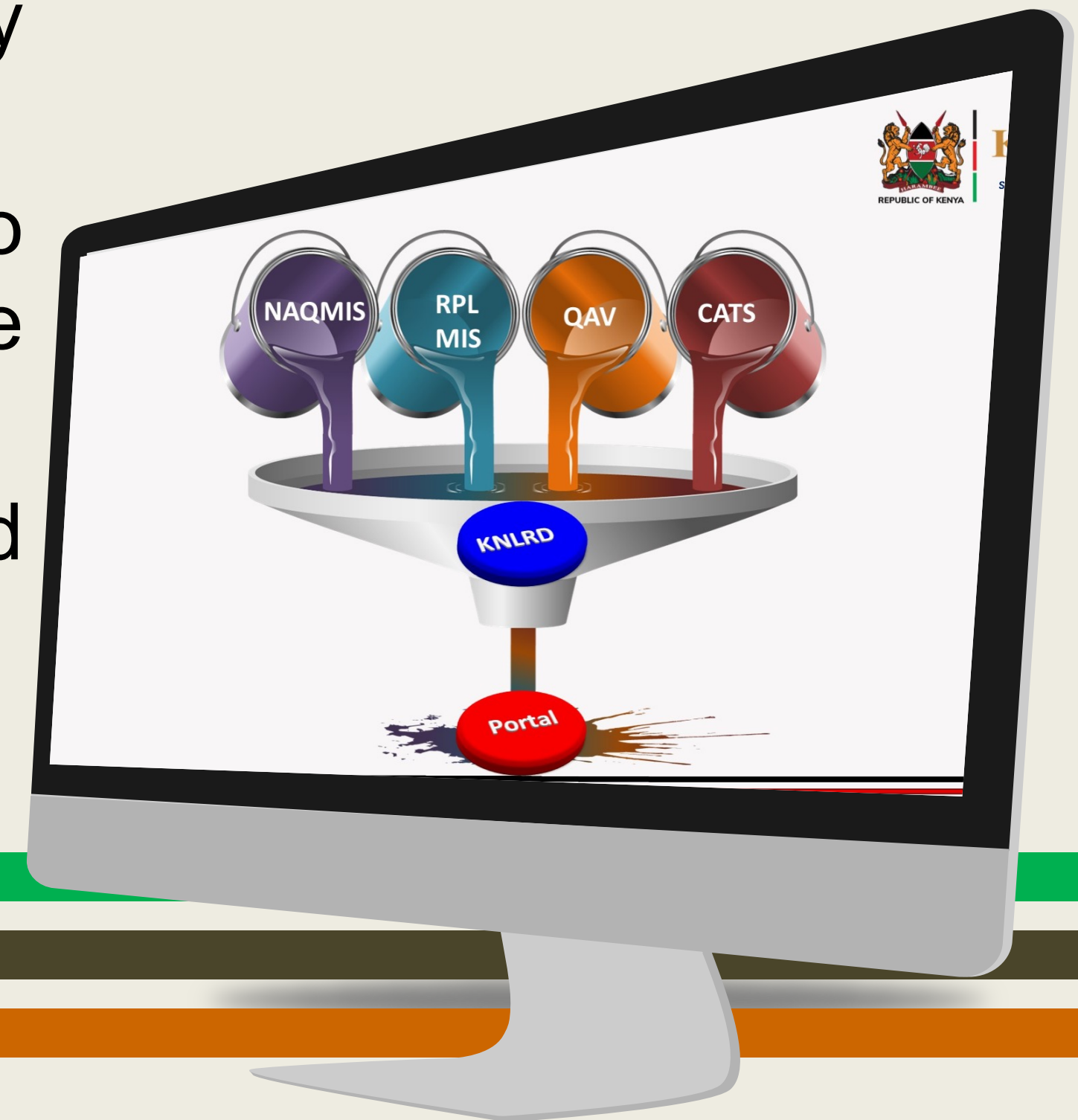


- The Kenya National Qualifications Framework (KNQF) Act No 22 of 2014 establishes Kenya National Qualifications Authority (KNQA) to coordinate and harmonize all qualifications awarded in the country.
- The KNQF Act, Section 8 (e) mandates KNQA to maintain a National Database of National Qualifications.
- In order to achieve this, KNQA has established the Kenya National Learners Records Database (KNLRD).

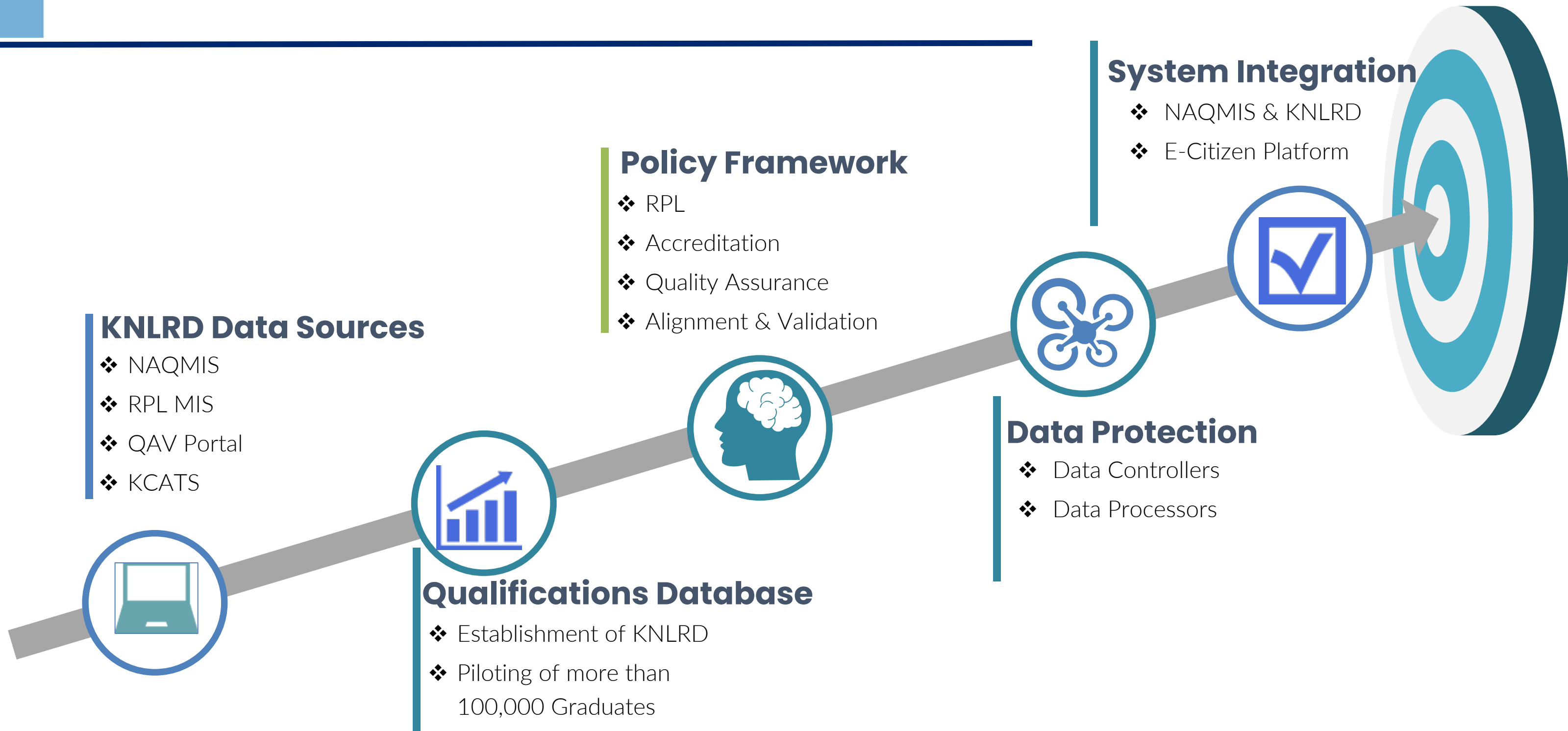
Kenya National Learners Records Database (KNLRD)



- KNLRD is a comprehensive relational database that acts as a central repository for all the qualifications in Kenya;
- With maturity, KNLRD will enable KNQA to report accurately on most aspects of the education and training in Kenya;
- It will also aid in the fight against fake and fraudulent Qualifications.

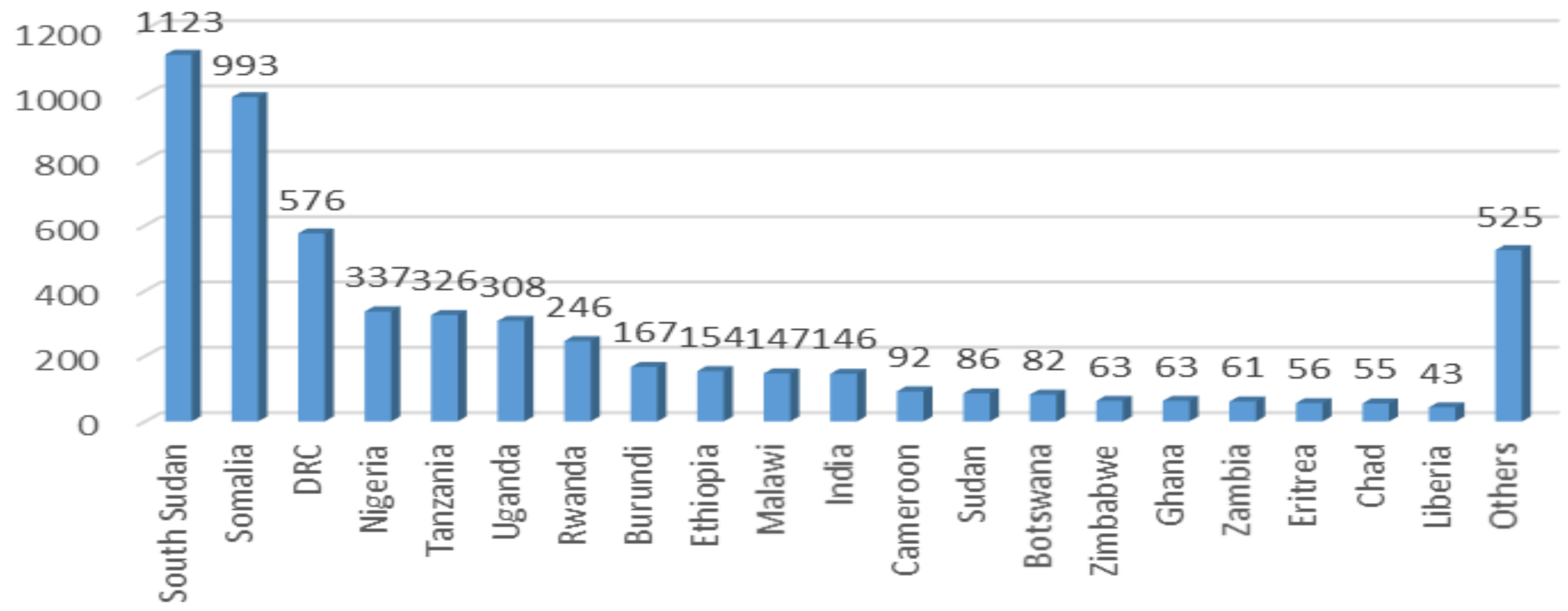


ACHIEVEMENTS





Qualifications Aligned to KNQF



What are the Benefits of KNLRD?



1.

ANALYTICS

Accurate Qualification Trends

2.

EFFICIENCY

Improved Turnaround Time

3.

MOBILITY

Labour & Skills

4.

POLICY

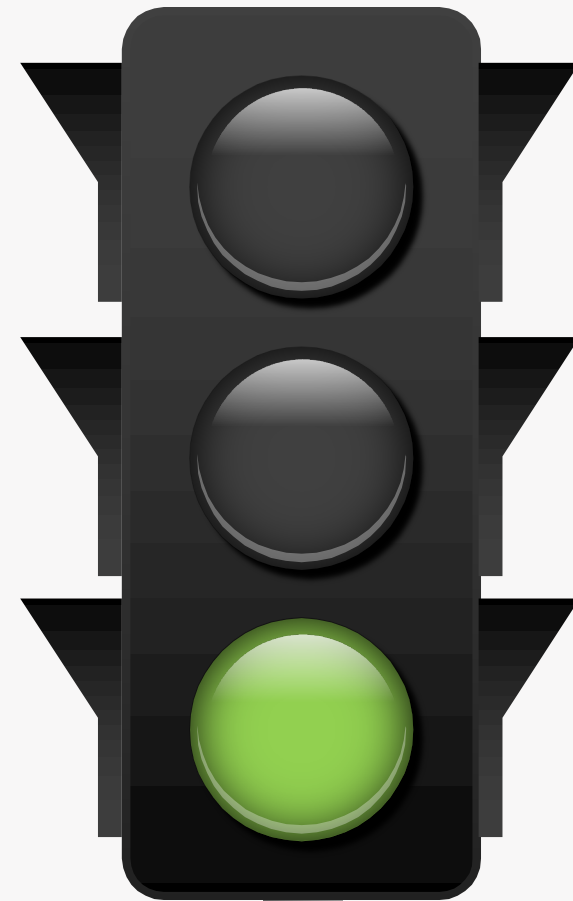
Informed Policy Formulation

5.

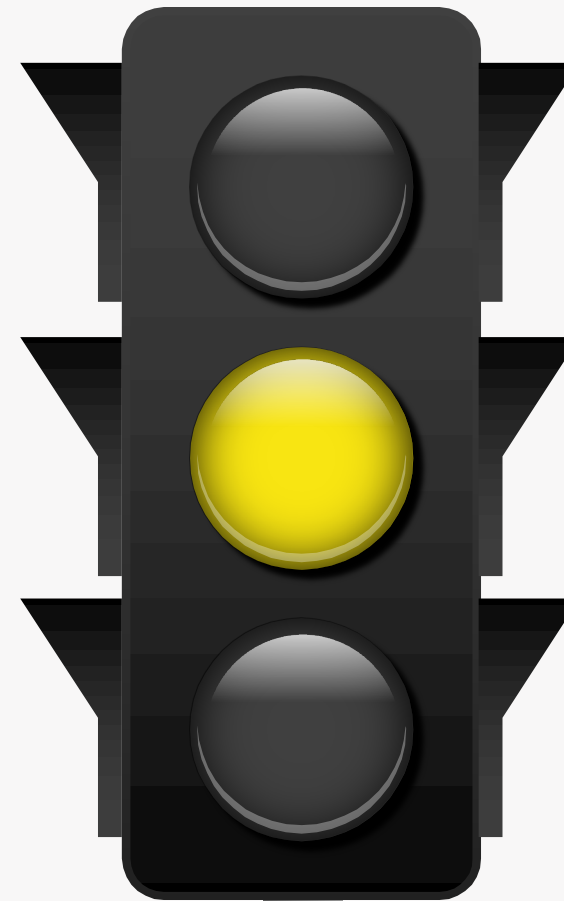
VERIFICATION

Alignment, Recognition & Validation

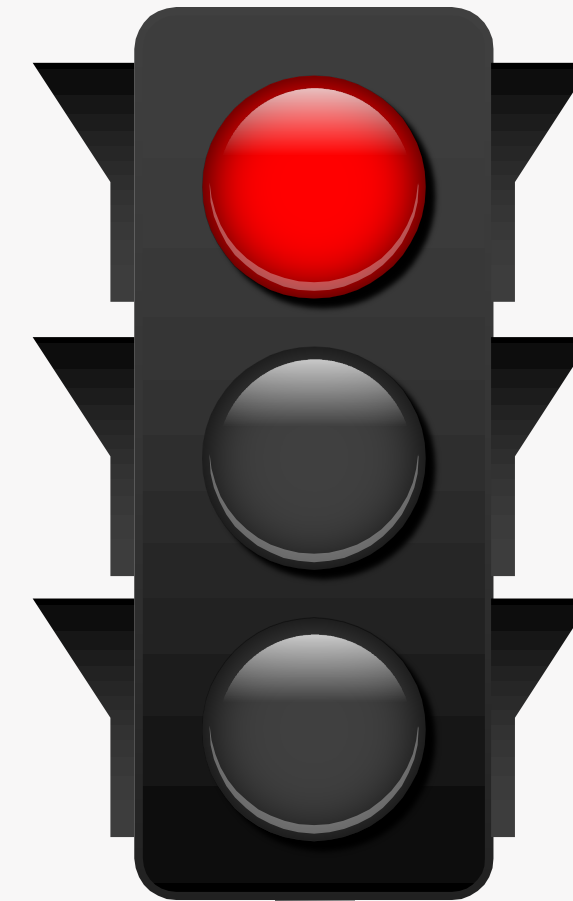
Challenges of KNLRD



1. Minor



2. Moderate



3. Major

- ⦿ Awareness Creation;
- ⦿ Technical & Financial Support;
- ⦿ Benchmarking and Partnerships.

- ⦿ Mushrooming of Fake Qualifications;
- ⦿ Robust Systems for Managing QAI's;
- ⦿ Data Manipulations affecting Data Integrity.

- ⦿ Frequent Cyber Attacks;
- ⦿ System Design & Integration Issues;
- ⦿ Data Validation and Verification Mechanisms.

Solutions to Challenges



QAI's

- Validate & Verify Data;
- Training and Capacity Building;
- Establish and Implement Systems.

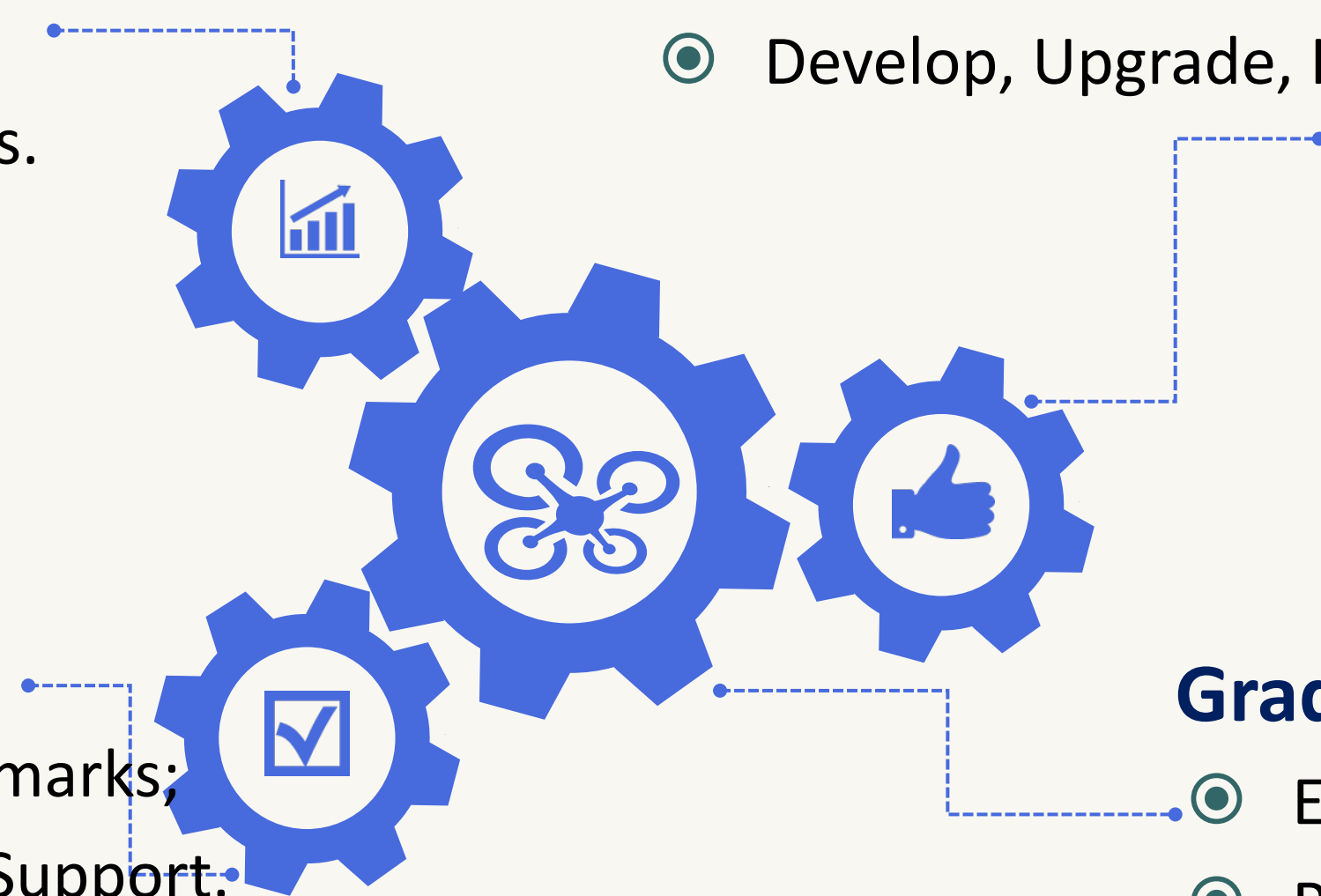
- ## KNQA
- Awareness Creation;
 - Address Cyber Security Issues;
 - Develop, Upgrade, Integrate and Maintain Systems.

Stakeholders

- Address Fake Qualifications;
- Provide Partnerships and Benchmarks;
- Provide Technical and Financial Support.

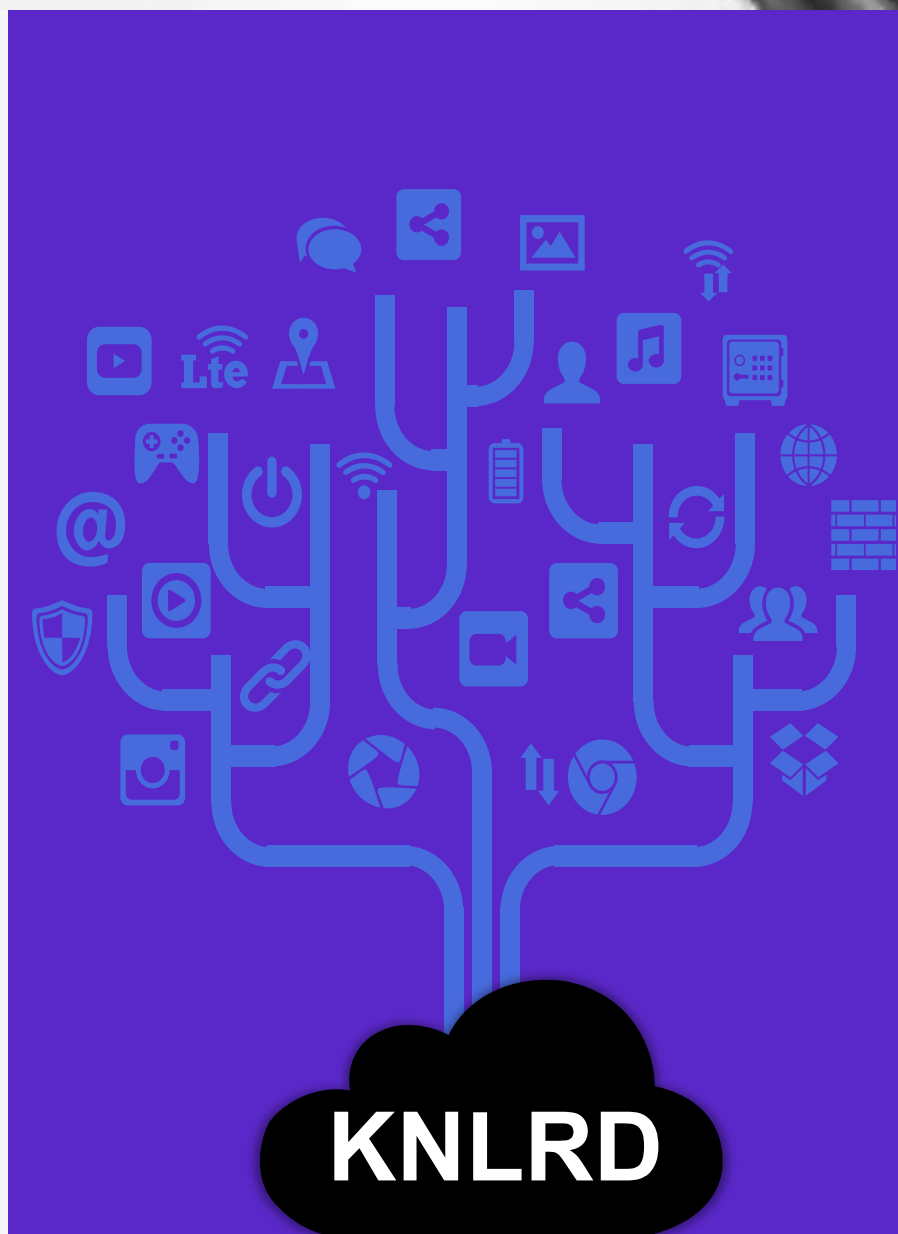
Graduates

- Embrace Lifelong Learning;
- Provide Accurate Information;
- Engage with Accredited QAI's.

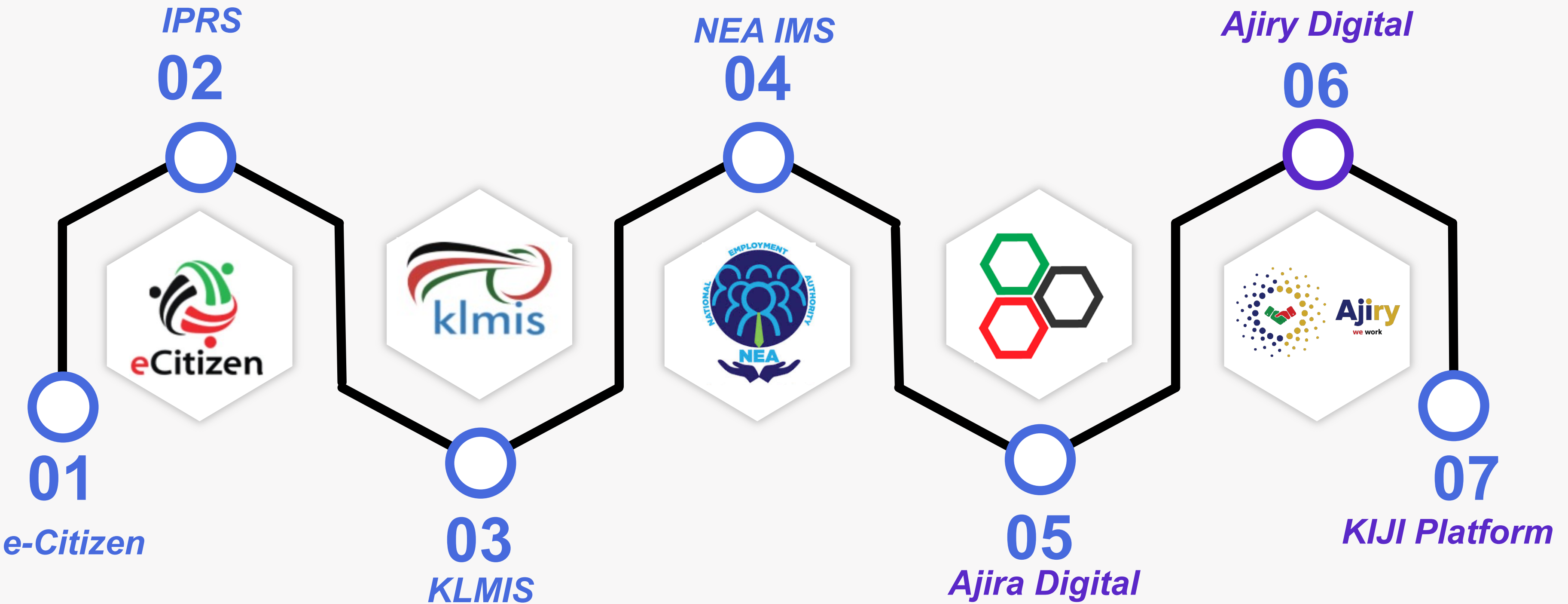




- ◉ Always have a “plan B” (**Back-up**);
- ◉ Any device can be compromised (**Hacked**);
- ◉ Security measures can't be **100%** temper proof;
- ◉ **Stakeholder** engagement is critical in System Design;
- ◉ Your so called smart devices may not be “**smart**” enough;
- ◉ System **Integration** forms an integral part of operationalization;
- ◉ **Modular Design** process simplifies a complex System Design;
- ◉ **Cyber Resilience** should always be factored in any system design;
- ◉ **Phased** Implementation ensures smooth change over of systems;
- ◉ The **End User** should be at center stage in any system Design Process.



KNLRD System Integrations



ICT Infrastructure



Upgrades & Integrations

Training & Capacity Building

Confidentiality, Integrity & Availability



End Users



Cyber Resilience



Thank You!

Q&A