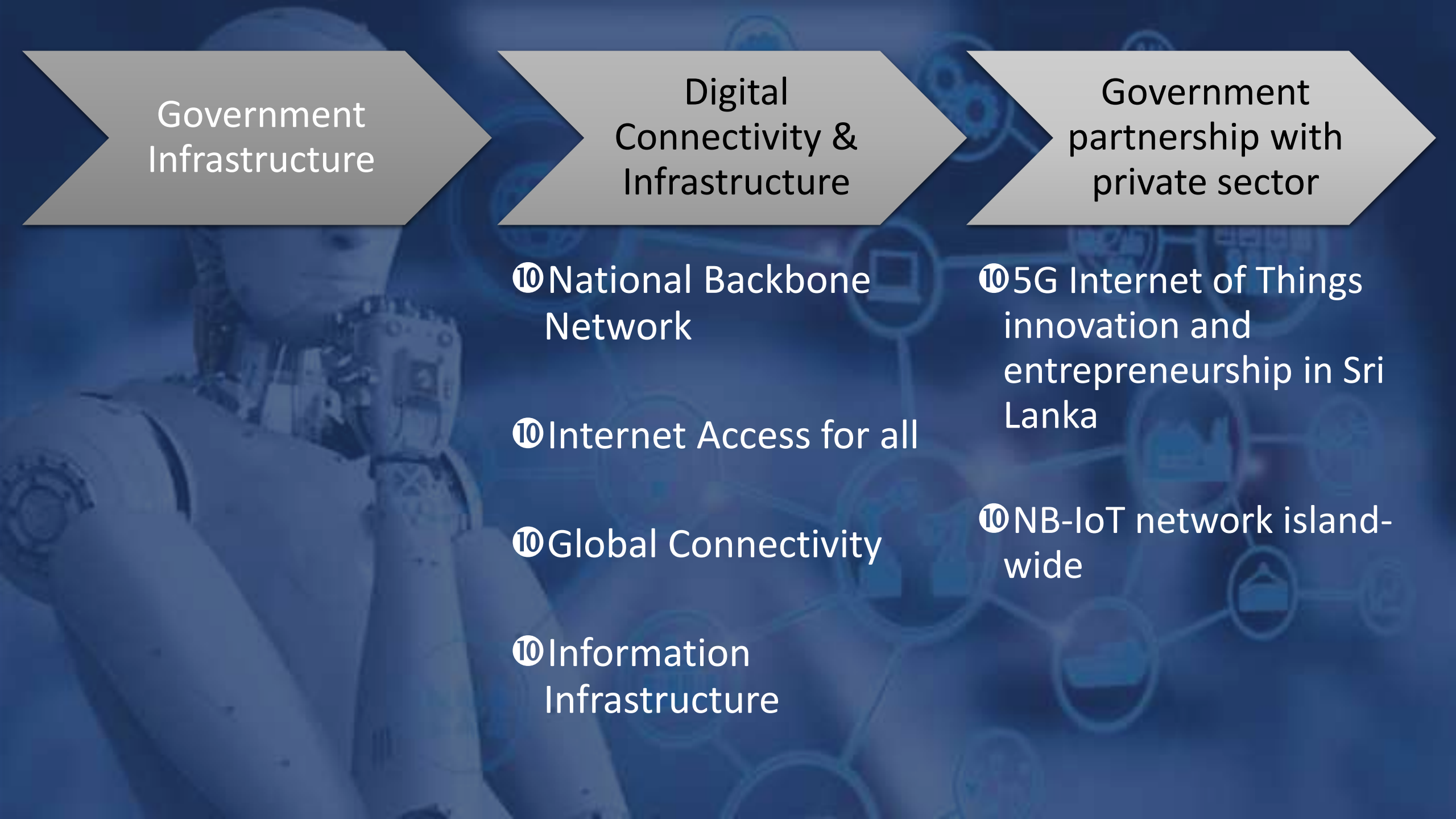
AI & IoT Applications of A Digitally Inclusive Sri Lanka

Transforming Sri Lanka towards a Creative Knowledge-Based Society through digitally empowered citizens



Government Infrastructure

Digital Connectivity & Infrastructure

- National Backbone Network
- Internet Access for all
- Global Connectivity
- Information Infrastructure

Government partnership with private sector

- 5G Internet of Things innovation and entrepreneurship in Sri Lanka
- NB-IoT network island-wide

Applying AI & IoT in Government and Businesses

Smart Healthcare Sector

Digital Health Project

- Integrated interoperable healthcare system

Goyo App & Wristband

- Daily performance monitor

Energy sector

Smart meter System

- Track, monitor & report granular utility usage

Connected Home

- Futuristic home automation solution

Smart cities

Smart transportation systems

Smart security sectors

e-governance systems

Megapolis Smart Cities Project

- Highly effective & productive solutions for the needs of citizens, business enterprises

Smart ID (ENIC)

- Single database to be maintained for each citizen

Smart Bus halt by Mobitel

- A self service information portal

RFID Tag for vehicles

- Improvement in traffic management and security

Building Energy Management System (BEMS)

- Smart & efficient buildings by leveraging digitization and big data

e-governance systems

Lanka Government Network

- Centrally managed reliable government institutions network

Lanka Government Cloud

- A hybrid cloud with public cloud services

National Cyber Security Operations Center

- Secure Government Critical Information Infrastructure

National Spatial Data Infrastructure

- A single window for national Spatial Data services

AI & IoT related researches/ projects in Sri Lanka

Use of sensors in Sri Lankan agriculture sector to increase the yield

- Control of nutrients and PH levels in soil
- Treat fungi in soil

Mobile sensor node to monitor domestic water resources

- Monitoring the pH value of water in real time
- Graphical interface to visualize information on a mobile phone screen

Infrasonic elephant localization system and the smart electric fence

- Cost-effective electric fence, with small IoT nodes placed along the wire that can communicate with each other using the same wire as the communication medium
- An infrasonic localization system to locate elephants in the area and alert people via various means including SMS alerts and social media

Thank You