

# AZADI KA DIGITAL MAHOTSAV

November 29 - December 5, 2021

## PRESENTATION ON DIGITAL PUBLIC PLATFORMS

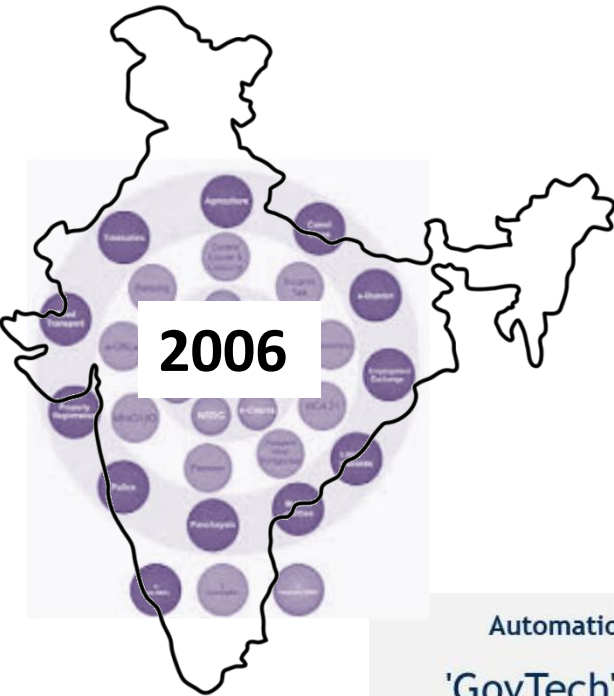
- President & CEO, National eGovernance Division

**TIME: 11:00 AM – 13:00 PM**

**DATE: November 29, 2021 (Monday)**

**Venue: Stein Auditorium, India Habitat Centre**

# Evolving Paradigm of Digital Governance

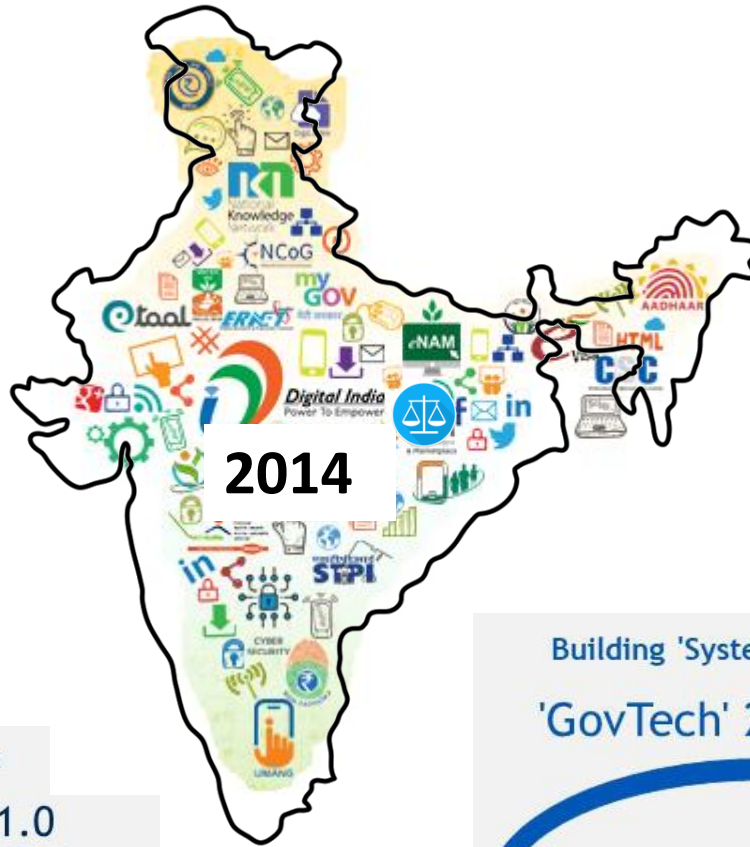


2006

Automation

## 'GovTech' 1.0

- Automation of discrete processes (offline to online)
- Digitization of public records



2014

Building 'Systems'

## 'GovTech' 2.0

- E2E digitization of service delivery
- Unified e-gov portals (for a department) with single sign-on
- Basic online data analysis



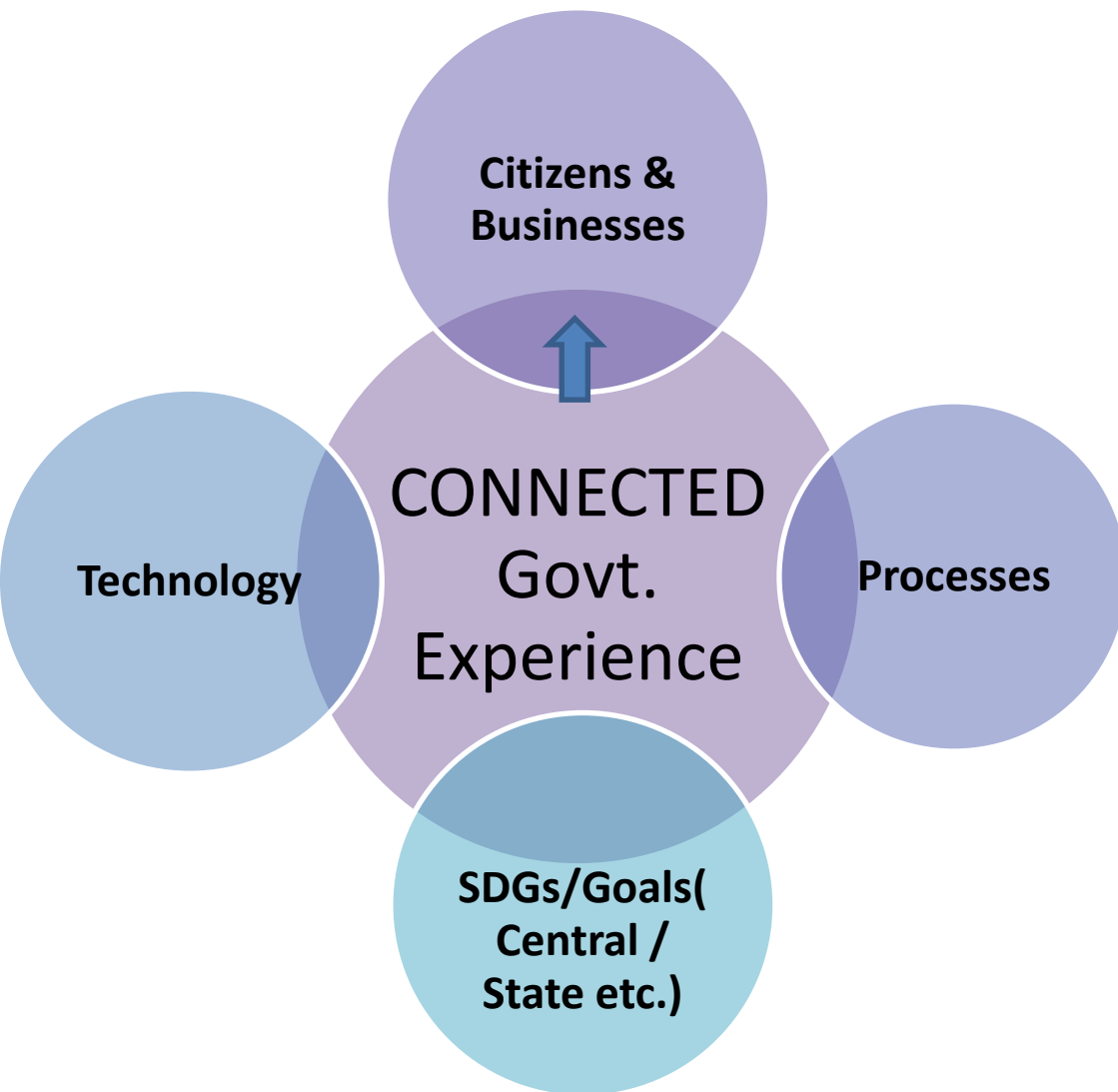
2021

Enabling 'Ecosystems' (NODE)

## 'GovTech' 3.0

- Open, interoperable digital platforms offering seamless service delivery across departmental silos
- Governance frameworks that set rules around platform usage, incl. data privacy & security
- Opportunity for multiple parties (e.g. startups, govt.) to innovate and collaborate on top
- Analytics-led, insights-driven, continuously improving

# India Enterprise Architecture (IndEA)



## Notification

IndEA framework notified on 9<sup>th</sup> October 2018  
Digital Service Standard (DSS) notified on 1<sup>st</sup> March 2019  
Agile IndEA notified on 20<sup>th</sup> November 2019  
National Open Digital Ecosystem (NODE) released for public consultation on 19<sup>th</sup> February 2020

## Pilots

- National Digital Health Blueprint (NDHM)
- National Urban Innovation Stack (NUIS)
- National Digital Education Architecture (NDEAR)
- Meghalaya Enterprise Architecture (MeghEA)

## Past Initiatives

- Andhra Pradesh: e-Pragati
- University Enterprise Architecture Framework (UEAF)

# NODE Principles for Public Digital Platforms



- 1 Be open & inter-operable
- 2 Make reusable & shareable
- 3 Be scalable
- 4 Ensure security & privacy
- 5 Adopt an agile, data-driven development method

Open and secure **delivery platforms**, anchored by transparent **governance** mechanisms, which enable a **community** of partners to unlock innovative solutions, to transform societal outcomes



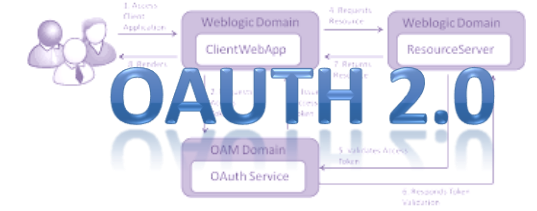
- 6 Define accountable institutions
- 7 Establish rules of engagement
- 8 Create transparent data governance
- 9 Ensure the right capabilities
- 10 Adopt a suitable financing model



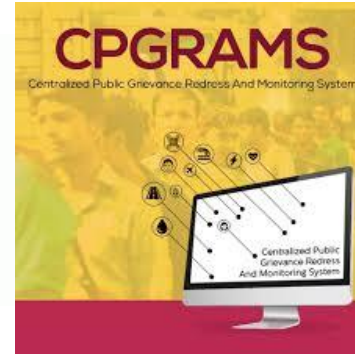
- 11 Ensure inclusiveness
- 12 Facilitate participatory design & co-creation
- 13 Drive end-user engagement
- 14 Be analytics-driven & learn continuously
- 15 Enable grievance redressal



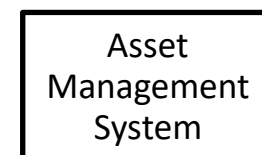
# IndEA Core – Common Public Digital Goods



# IndEA Core – Common Public Digital Goods



Learning Management System (LMS)





## Support to Central Ministries & States and UTs

- Preparation of EA Blueprint
- PMU support for implementation
- Deliverable Review
- Financial Support



## Enabling Environment

- Empanelment of EA experts
- Empanelment of Consulting & Implementation Agency
- Training Agency Listing
- Agile Procurement guidelines



## IndEA Suite

- IndEA Repository- Case studies, artifacts
- Enabling API Specifications
- EA Tools
- Common Public Digital Goods- API Setu, DigiLocker, Umang etc.



## Capacity Building

- Workshops at States/UTs (14/37)
- Financial Support
- IEC Material
- eContent
- Online Trainings
- Introduction of EA courses in academia

# National Public Digital Platforms (1/2)

- Blueprint launched
- Registries launched for select UTs
- All India launch is planned

**NDHB- NDHM**



- NDEAR blueprint launched
- Implementation initiated

**MoE- DoSE&L**



- Stakeholder consultation for blueprint finalization is in progress
- Pilot Farmer Id implementation done

**Agriculture**



- Phase I Finance Solution Architecture launched
- Detailed requirements & blueprint have been prepared

**Meghalaya**



- Draft Blueprint submitted by the Working Group for further approval

**Labour, Skill & Employment**



- Building blocks for Ayush have been identified
- DIC is submitting proposal for implementation

**Ayush**



- Committee Constituted
- Implementation in progress

**MoE- DHE**



- Gati Shakti National Master plan launched
- Proposal for Logistics Aggregate portal submitted
- ULIP

**Logistics**



- Working Group Constituted
- Draft blueprint has been submitted

**MSME**



- First round of stakeholder discussion completed
- Draft blueprint has been prepared

**Tourism**





# National Public Digital Platforms (2/2)

- Discussion reg. National Power Portal
- Center of excellence (CoE) in the power sector is being discussed

## Energy



- EA for land titling
- Pilot in Gurugram

## Land



- Request for the constitution of the working group

## Women & Child



- vision document of eCourts 3.0 in line with the digital ecosystem concept

## ICJS



- KYC Setu- for UPI enabled KYC
- Kashi- For transaction based credit score

## Financial Stack



- EA blueprint
- Focus group discussions held

## Rural



- NUIS Stack
- CGHS
- IUDX API Gateway
- Standards under preparation

## Urban



- Enablement of multi-modal (Rail, Airway, Roadways and Waterways) transport
- One Nation One Ticket

## Transport



- Committee Constituted
- Study and analysis of existing schemes at State level is underway

## Social Welfare



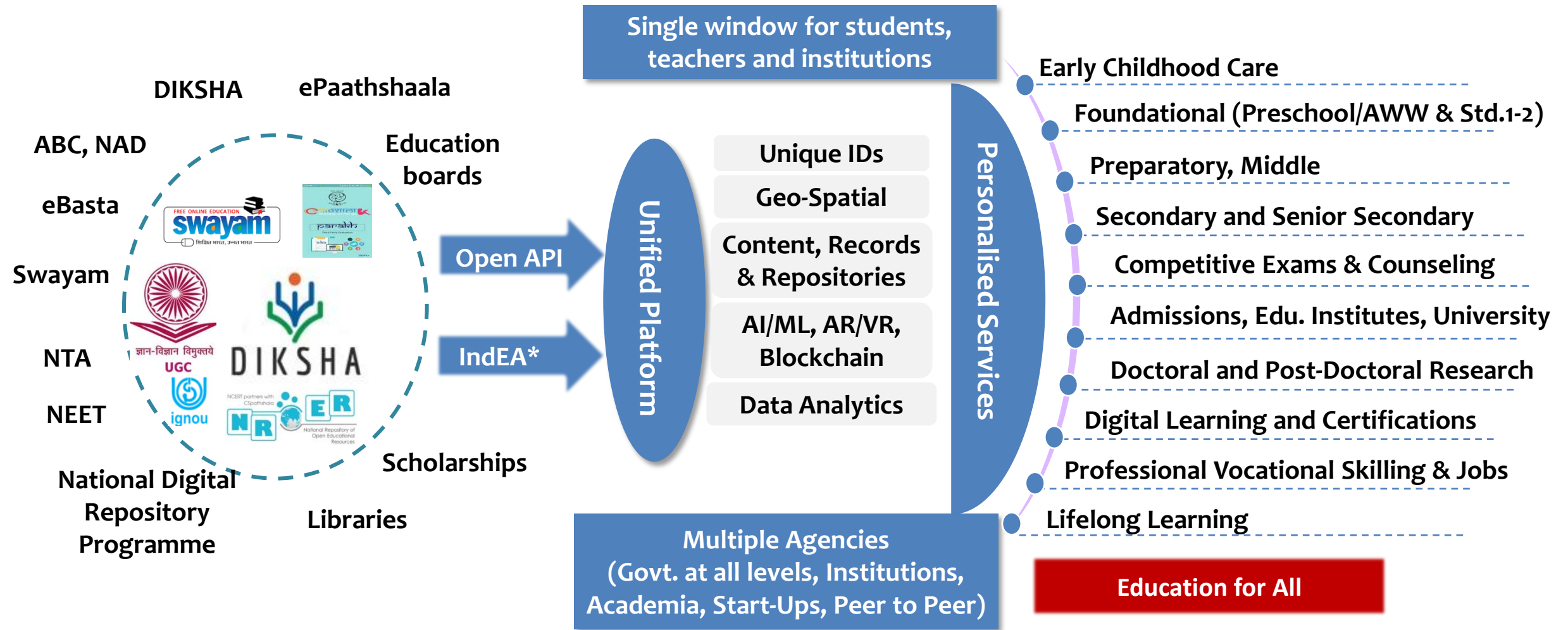
- Pachtantra
- Panchayati Raj

## Participative Governance



# National Public Digital Platform for Education

## Illustration: Unified Platform for Education Ecosystem

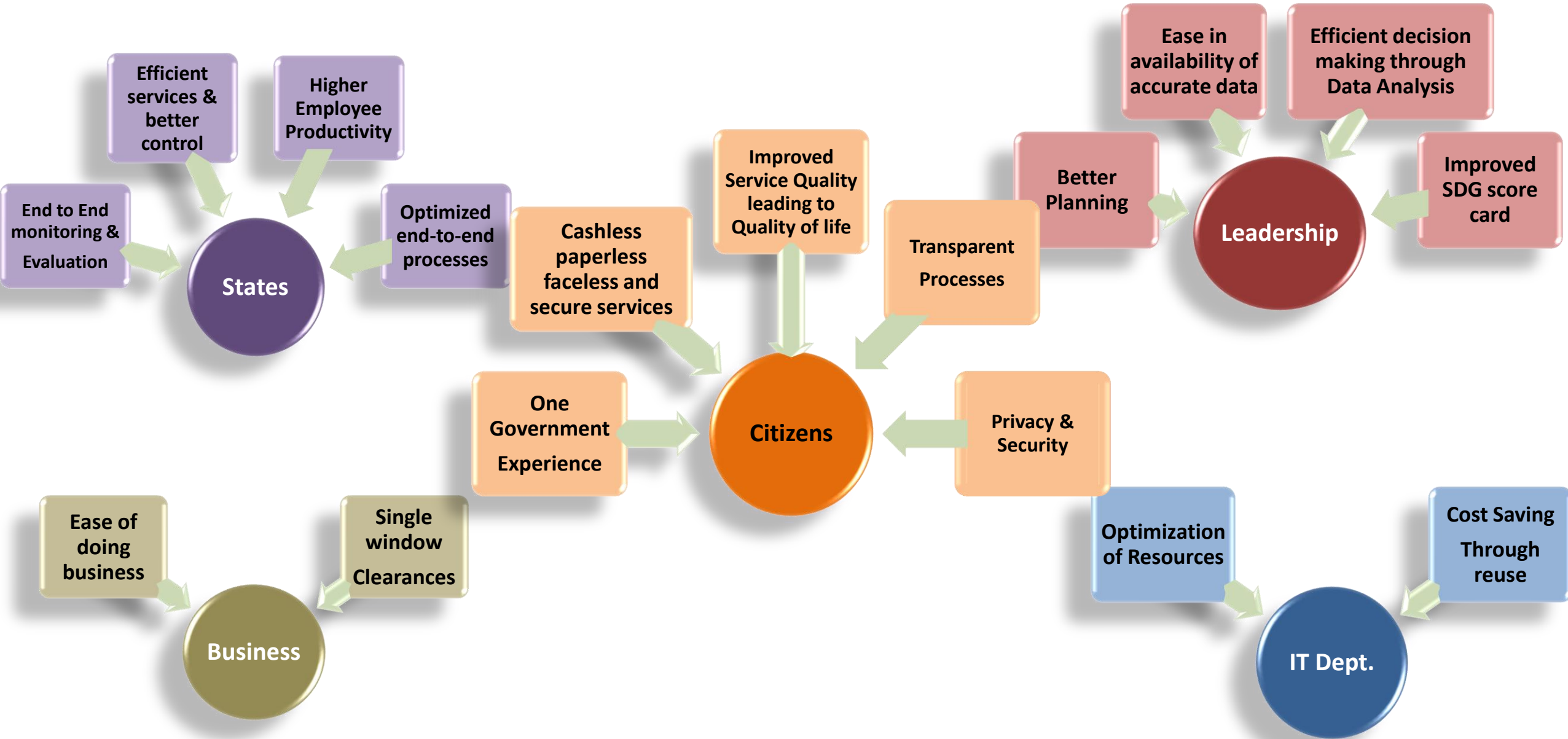


\* India Enterprise Architecture

# Architecture and E-Government Maturity -(Mutually Reinforcing Relationship)

UN E-Government Maturity Levels	Enterprise Architecture Maturity Stages				Implications
	Application Silos	Standardized Technology	Optimized Data and Applications	WoG Integrated Services	
I. Web Presence	✓				Agencies / departments still operate in their silos and almost don't need any architecture.
II. Interaction	✓	✓			Simple two-way communication needs very basic and few common technology standards, but still largely within their silos.
III. Transaction		✓ ✓	✓		Complete online transactions needs moderate level of cross-agency collaboration and sharing at the technology level.
IV. Transformation (Connected)			✓	✓ ✓	Government appears and operates as ONE, high degree of integration needs common and shared business functions and outcomes.

# Envisaged Benefits





# Thank You

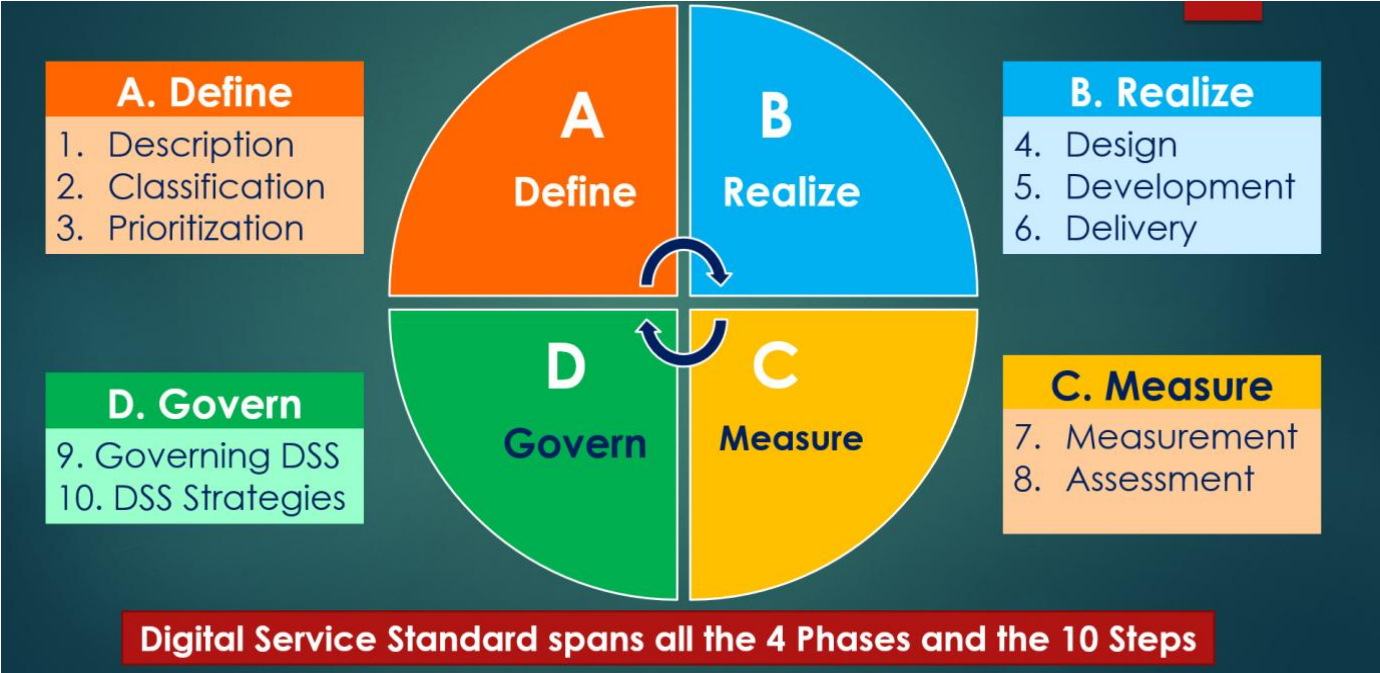
[ceo@mygov.in](mailto:ceo@mygov.in)

[abhishek.singh@gov.in](mailto:abhishek.singh@gov.in)

[ceo@digitalindia.gov.in](mailto:ceo@digitalindia.gov.in)

# Digital Service Standard

*Vision: “to define a National Standard, the adoption of which ensures Uniformity, Consistency, Comprehensiveness and Excellence in the Definition, Realization, Measurement and Governance of Digital Services.”*



**Defines** eService & Digital Service on an end-to-end basis

>170 national and international standards, principles and guidelines

Strategies to overcome the challenges in the adoption of DSS

**Enables uniformity and consistency** across Government

# References

- IndEA Repository, <http://ftpindea.negd.in/>
- IndEA Framework, Dec 2018
- IndEA Adoption Guide, Dec 2018
- Agile IndEA, Nov 2019
- Digital Service Standards, Feb 2019
- Draft National Open Digital Ecosystem, Mar 2020
- Trillion Dollar Economy, 2018
- Digital India Website
- National Digital Health Blueprint, Sept 2019
- MeghEA Artefacts, 2018-2019