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

- EZE 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 9th October 2018
- Digital Service Standard (DSS) notified on 1st March 2019
- Agile IndEA notified on 20th November 2019
- National Open Digital Ecosystem (NODE) released for public consultation on 19th 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 & interoperable
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 Digital Goods
IndEA Core – Common Public Digital Goods

- myGov
- GeM: Government eMarketplace
- RIGHT TO INFORMATION
- CPGRAMS
- SUPREMO: Single User Platform Related To Employees Online
- eCourts Services
- SUPREMO
- Learning Management System (LMS)
- PMIS: Programme Management Information System
- MyVisit
- Public Financial Management System - PFMS
  O/o Controller General of Accounts, Ministry of Finance

Remote Consultation
Asset Management System
...
NeGD Offerings

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**
- Draft blueprint has been prepared
**Discussion reg. National Power Portal**
- Center of excellence (CoE) in the power sector is being discussed

**Land**
- EA for land titling
- Pilot in Gurugram

**Women & Child**
- Request for the constitution of the working group

**ICJS**
- Vision document of eCourts 3.0 in line with the digital ecosystem concept

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

**Energy**
- EA blueprint
- Focus group discussions held

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

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

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

**Rural**
- Rural
- NUIG Stack
- CGHS
- IUDX API Gateway
- Standards under preparation

**Urban**
- Urban
- CGHS
- IUDX API Gateway
- Standards under preparation

**Transport**
- Transport
- One Nation One Ticket

**Social Welfare**
- Social Welfare
- Pachtantra
- Panchayati Raj

**Participative Governance**
- Participative Governance
National Public Digital Platform for Education

Illustration: Unified Platform for Education Ecosystem

- Personalised Services
  - Open API
  - Unique IDs
  - Geo-Spatial
  - Content, Records & Repositories
  - AI/ML, AR/VR, Blockchain
  - Data Analytics

- Single window for students, teachers and institutions
  - Early Childhood Care
  - Foundational (Preschool/AWW & Std. 1-2)
  - Preparatory, Middle
  - Secondary and Senior Secondary
  - Competitive Exams & Counseling
  - Admissions, Edu. Institutes, University
  - Doctoral and Post-Doctoral Research
  - Digital Learning and Certifications
  - Professional Vocational Skilling & Jobs
  - Lifelong Learning

- Multiple Agencies
  (Govt. at all levels, Institutions, Academia, Start-Ups, Peer to Peer)

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

<table>
<thead>
<tr>
<th>UN E-Government Maturity Levels</th>
<th>Enterprise Architecture Maturity Stages</th>
<th>Implications</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Application Silos</td>
<td>Standardized Technology</td>
</tr>
<tr>
<td>I. Web Presence</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>II. Interaction</td>
<td>✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td>III. Transaction</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>IV. Transformation (Connected)</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
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Envisaged Benefits

- **Efficient services & better control**
- **Higher Employee Productivity**
- **Optimized end-to-end processes**
- **End to End monitoring & Evaluation**
- **Cashless, paperless, faceless and secure services**
- **One Government Experience**
- **Improved Service Quality leading to Quality of life**
- **Improved Service Quality leading to Quality of life**
- **Transparent Processes**
- **Better Planning**
- **Leadership**
- **Ease in availability of accurate data**
- **Efficient decision making through Data Analysis**
- **Improved SDG score card**
- **Efficient of Resources**
- **Cost Saving Through reuse**
- **Privacy & Security**
- **Optimization of Resources**
- **Ease of doing business**
- **Single window Clearances**
- **Clearances**
- **Business**
- **IT Dept.**
Thank You
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.”

**Digital Service Standard**

- **A. Define**
  1. Description
  2. Classification
  3. Prioritization

- **B. Realize**
  4. Design
  5. Development
  6. Delivery

- **C. Measure**
  7. Measurement
  8. Assessment

- **D. Govern**
  9. Governing DSS
  10. DSS Strategies

Digital Service Standard spans all the 4 Phases and the 10 Steps

**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