eGovernance updates from Kerala

1 May 2019
State eGovernance Mission Team - Kerala
About Kerala

- 42 Secretariat Departments
- 75 Directorates
- 98 Autonomous bodies
- 23 Boards
- 51 Central Govt Offices in Kerala
- 10 Commissionerates
- 31 Welfare Fund Boards
- 29 Cooperative organisations
- 35 Commissions
- 47 Corporations
- 117 Public Enterprises
- 12 Societies
- 14 Universities
- 14 Districts

- Population Over 35 m people
- 1200 LSGIs
- 130% Tele density
- Working on 2 Smart Cities
- 2600+ CSCs
- 2 Major SDCs
- ~ 450 Applications; 600 + eServices
- CERT-K
- Active & Vibrant startup ecosystem

Integrated, Inclusive transformation

- Policy: New IT Policy, Digital Initiatives
- State Missions: Life, Aardhram, Education, Harita Keralam
- Projects: SDPK, Digital Kerala Architecture; KFON, Public WiFi, eHealth, Smart Classrooms
Establish Kerala as a Knowledge powered digital Society by 2020 through application of Digital technologies in the areas of *Digital Citizenship, Digital Commerce*; within the governing principles of Freedom, Ubiquity, Inclusion, Transparency, Safety and Security for all; aligned to technology trends, citizen and industry needs, to provide overall social and economic empowerment of citizens.
Skill delivery platform for Kerala (SDPK) – Big picture

Effective collaboration across stakeholders with best in class infrastructure, systems and governance to enhance Employability of engineering graduates
SDPK - Objectives

• Bridge the employability gap and to produce skilled workforce for the upcoming needs of industry.

• Connect Academia with Industrial Hubs to enable collaboration and industry intervention for skill enhancement with access to the learning contents thru various channels (Mobile / Web / classroom)

• Establish immersive virtual learning platform through Hi-Definition Video /Audio systems and integrated LMS capable of providing various modes of course delivery and governance.

• Create and offer Minor Degree and Skill Certification programme to the students

• Create best in class learning contents through partnerships with various experts / organisations

• Establish strong governance to monitor the effectiveness of the programme

• Enhance collaboration with global academia and industries
Architecture for Skill Delivery Programme

<table>
<thead>
<tr>
<th>Training Contents (Layer – 5)</th>
<th>Intuitive, Industry relevant training contents, live /online training objects, assignments, assessments, certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training Delivery Solution (Layer – 4)</td>
<td>Learning content management, Participant management, assessments, certificates, Reporting, fee management etc.</td>
</tr>
<tr>
<td>Telepresence Layer (Layer - 3)</td>
<td>1080 HD transmission/Reception, Compression / Decompression Suite, multi Channel Audio/Video, Full access administration console</td>
</tr>
<tr>
<td>Physical Infrastructure (Layer - 2)</td>
<td>66-70 seat capacity Hi-tech classroom (Sound proofing, theatre style seating, lighting, cabling provisions); 500 Sqft. studio setup in the industry hubs</td>
</tr>
<tr>
<td>N/W infrastructure (Layer - 1)</td>
<td>Min 10 Mbps dedicated bandwidth, through MPLS/ dedicated last mile connectivity</td>
</tr>
</tbody>
</table>
SDPK - Platform Architecture

Beta launch with 25 locations successfully completed
Digital Kerala - Enterprise Architecture Initiatives

- Major focus on citizen centric services
- Leverage existing IT investments optimally
- Agile and progressive journey towards the target state
- Varied levels of computerization across departments over last 2 decades
- Transformation in a risk mitigated manner
- Strong focus on capacity building
- Pilot adoption in Local self government department
“to establish best-in-class architectural governance, processes and practices with optimal utilization of ICT infrastructure and applications to offer ONE Government experience to the citizens and businesses”
Digital Kerala - objectives

**Vision**: Transform Kerala into Digitally empowered society and knowledge economy towards sustainable economic growth by harnessing the e-Governance ecosystem of the state and provide all public services to citizens through electronic mode

1. Create an “Integrated Government” with effective and efficient service delivery
2. Create ecosystem towards “Digital Life” offering services across channels
3. Create a platform for innovation and new opportunities in local economy

Trained 17 key people from the state on TOGAF 9.2
Detailed assessment of AS-IS state is in progress with a 3 year transformation plan
Digital Kerala – our approach

Current State

Operational plan execution

Target state

People
- Structure, Capacity, Capability, Empowerment

Process
- Policies, Guidelines, SOPs,
- Governance, Frameworks

Technology
- HW, SW, DC, Network, Tools

Establish RIGHT Architecture, Governance and Programme Management capability to drive transformational change

Change Management
Expected Outcomes

♦ Offer ONE Government experience

♦ Focus on Cashless, faceless and **paperless** state

♦ Seamless integration across departments and systems

♦ Optimal utilization of infrastructure and systems
Certificateless Kerala – leveraging DigiLocker

Seamless integration across departments covering birth – death life cycle events

ITD | Finance | LSGD | Education | Health | PSC | Labour | Social Justice
Thank you

State e-Governance Mission Team, Kerala