

Digital Nepal: Context, challenges and Way Ahead

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YoungInnovations 

What is digital Transformation ?

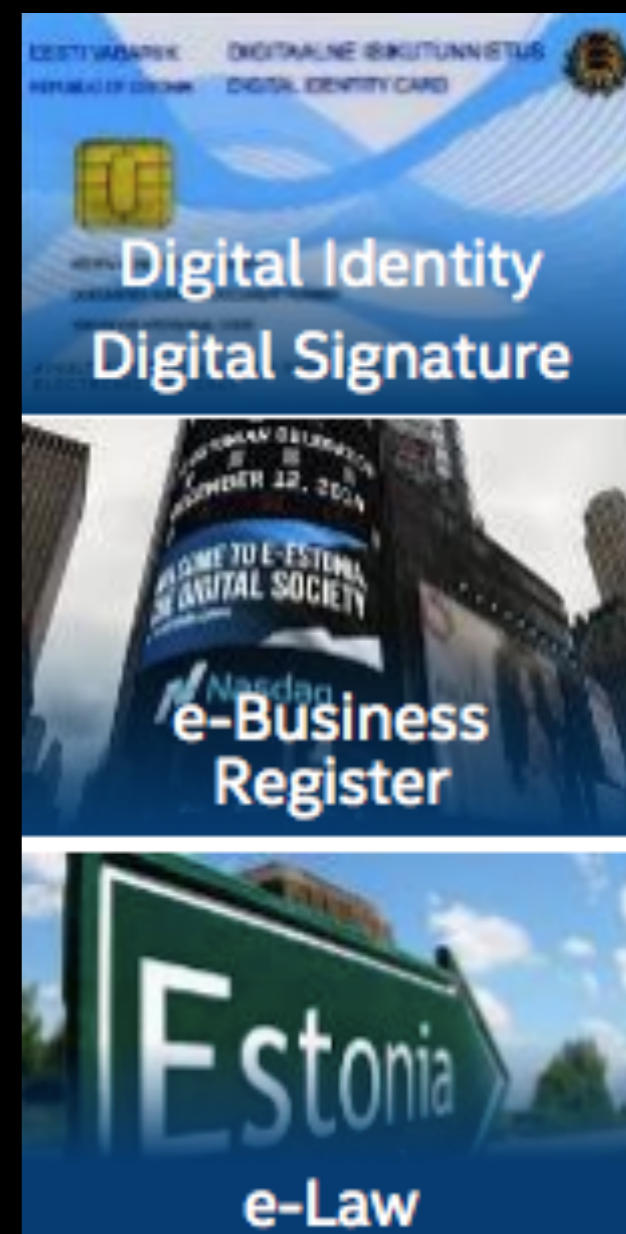


What is digital Transformation ?

It is about the fact that technology, which is digital, allows **people to solve their traditional problems.**

Digital Transformation: **Estonian Example**

- **99% of Country Services online**
(Online Banking at 99.8%, E-Prescription at 99%, IVoting at 30%)
- **Business Registration** in 18 minutes
- **Declare Taxes** in 3 minutes
- **Digital Signature** saves 2% of GDP per year
- **i-Voting** 2.5 time cheaper
- **33% less queues** in Hospital
- **E-Identity:** Gov, Travelling, Health, State Services, Voting, Police, Business, Banking, Telecom



Digital Transformation: Indian Example



Citizen Identity:

- 900M people enrolled
- Financial inclusion: 198M new bank accounts
- Aadhaar ID saving Indian govt about \$1 billion annually by reducing corruption and leakage for the Indian government

Connectivity:

- Broadband spectrum allocated
- 50K villages connected (Fiber)
- 133K Common Service Centers

Digital Transformation: Education in Portugal

Portugal: Improves PISA Scores, Especially Among Low Achievers



RESULTS



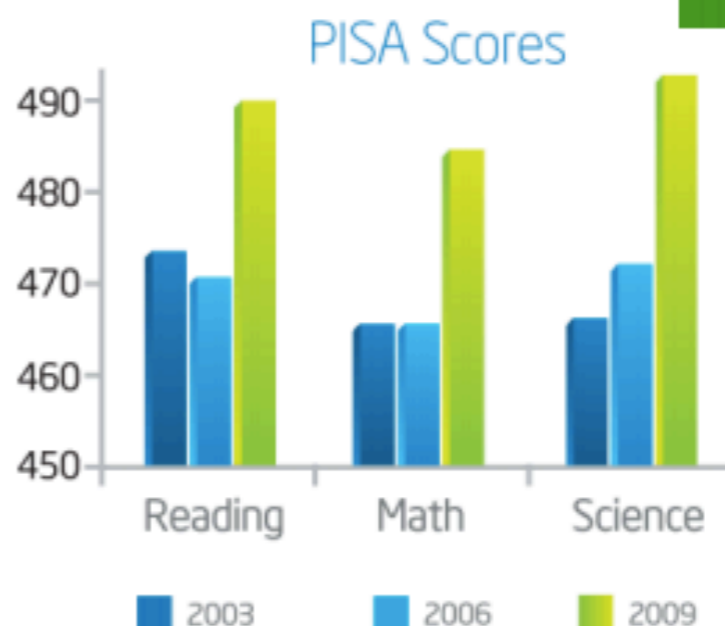
Improved in **all three PISA** assessment areas



Improvement among the lowest-achieving students



Ed-tech ecosystem **added 1,500 jobs**



CHALLENGE: Improve educational performance, create digital inclusion, support economic development

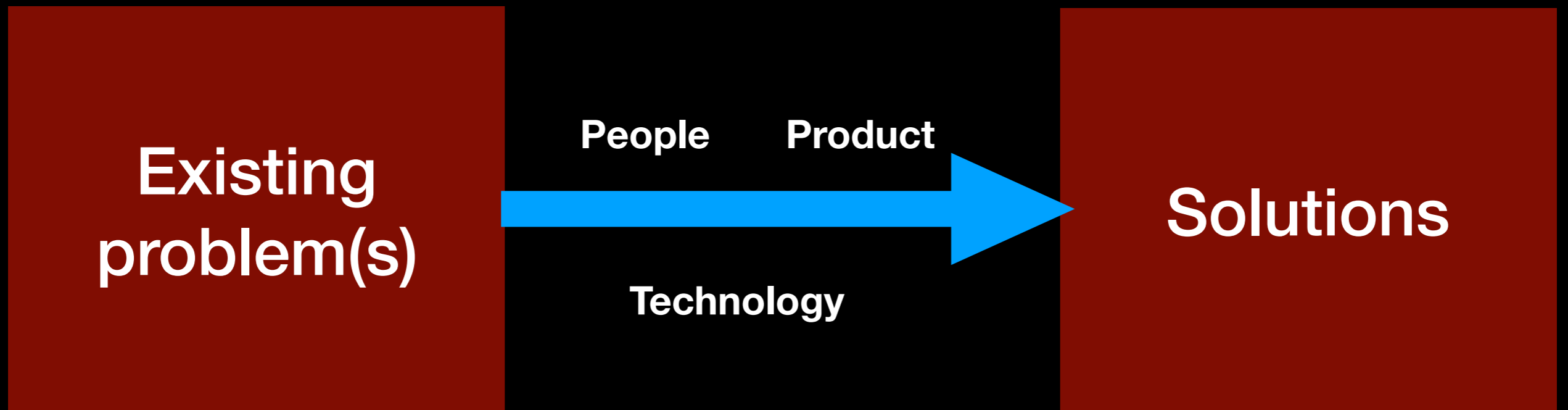
SOLUTION: Implement 1:1 eLearning, provide professional development for teachers, create local infrastructure for building PCs and educational content

What are the common elements of these examples ?

Tangible and
Measurable
Outcomes and
indicators



Digital Transformation



Factors affecting digital transformation

Strategy &
Leadership

Workforce Skills

Digital Skills

User Focus

Digital Transformation: The Nepalese Context

E-Government Master Plan (eGMP) of Nepal

“Realize good governance and Socio-economic development” by establishing an effective, systematic and productive e-Government

Digital Transformation: The Nepalese Context

- National Information and Communication Technology Policy 2015 - Ministry of Information and Communication
- IT Policy 2000
- Electronic Transaction and Digital Signature Act 2063

Digital Transformation: The Nepalese Context



Digital Transformation: The Nepalese Context

Municipality launches mobile app to promote transparency

Published: April 16, 2018 10:25 am On: [Kathmandu](#)



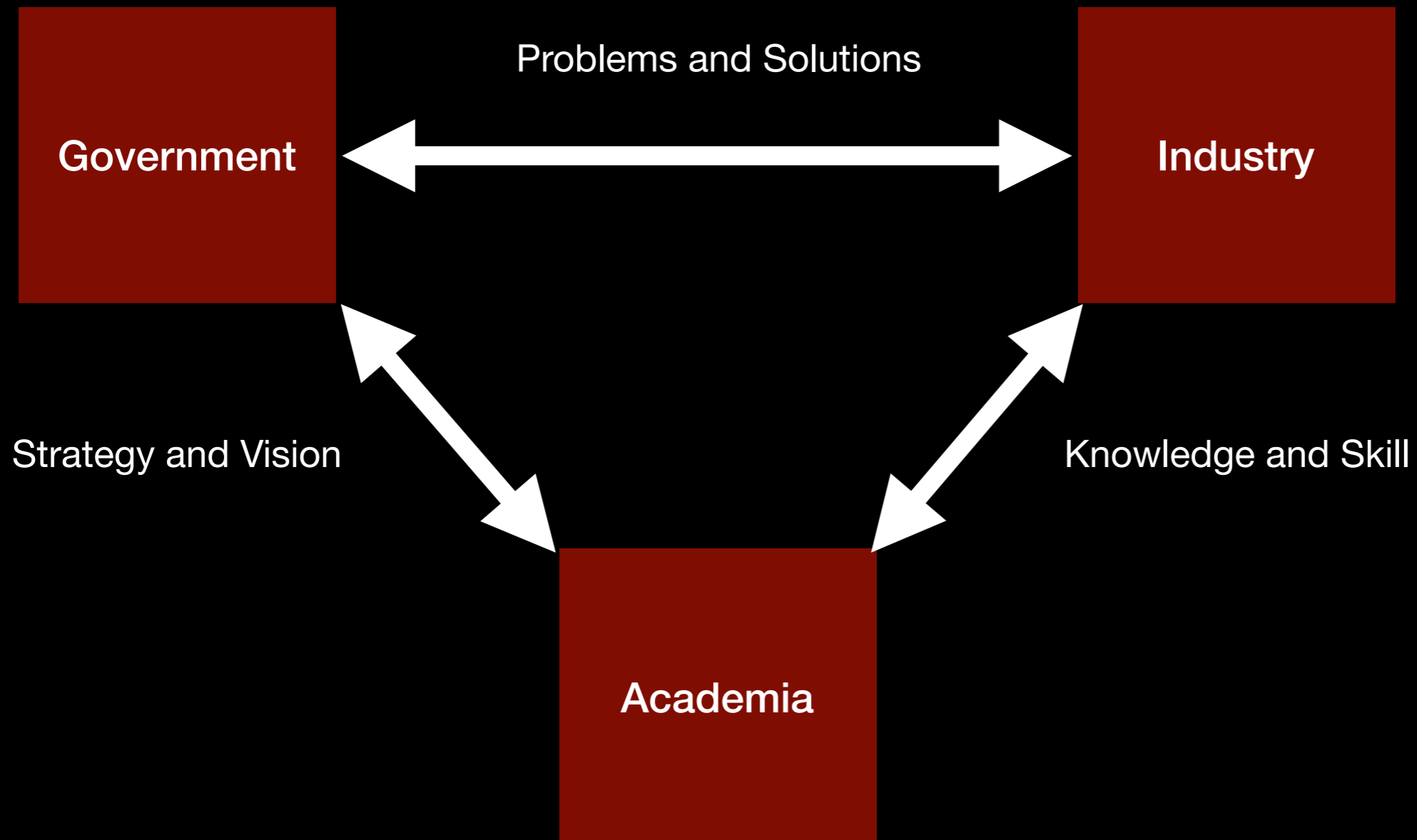
HIMALAYAN NEWS SERVICE

Kathmandu, April 15

Neelakantha Municipality inaugurated an Open Local Government web portal and mobile application named 'Mero Neelakantha Mero Mobile' amid a function organised at Office of District Coordination Committee, Dhading, today.

**Are we ready Digital
Transformation?**

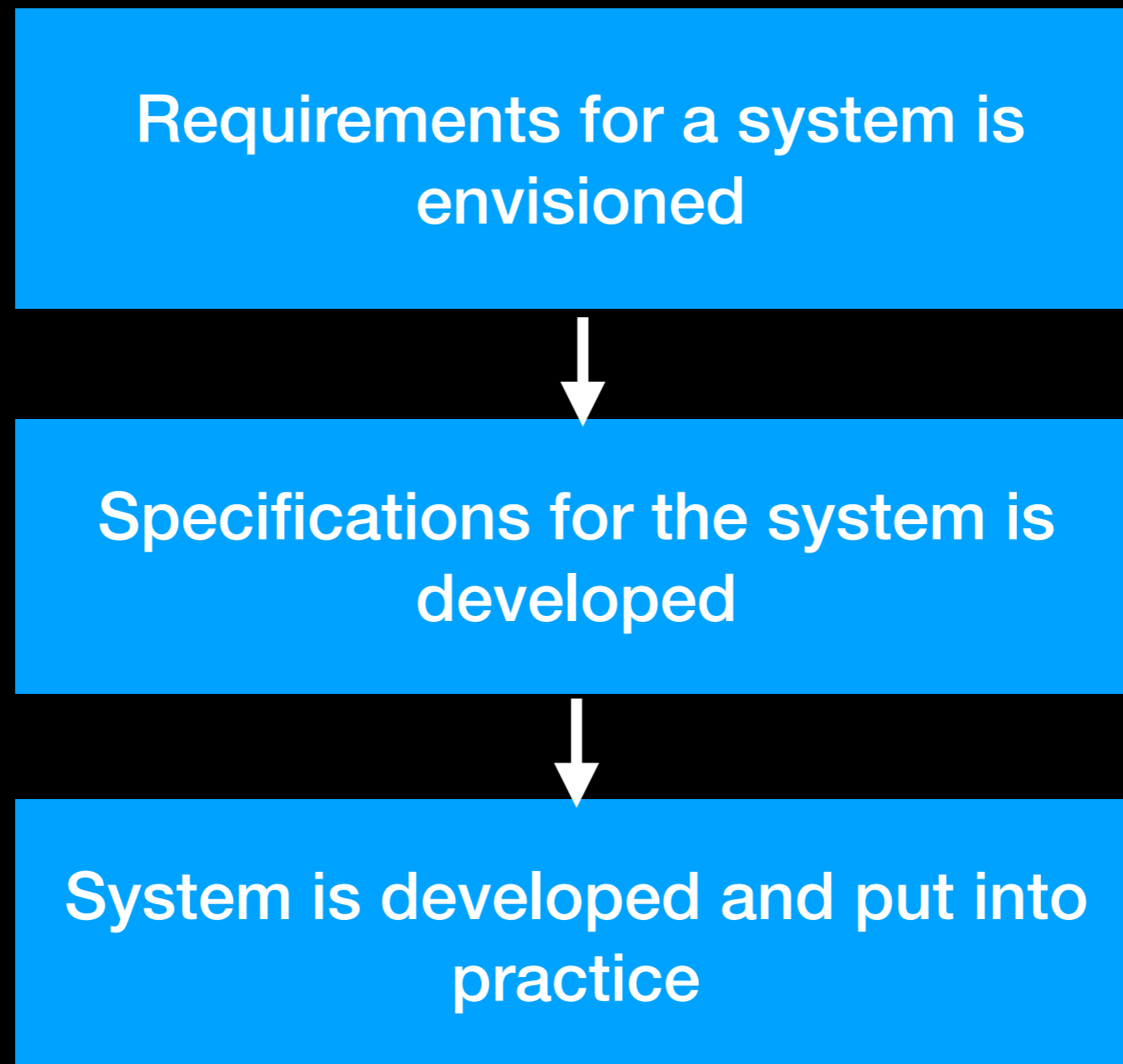
Perspectives on Digital Transformation



Current Issues related to digital transformation

- Operation in **silos**
- **Top Down** Approach
- Investment into digitization not linked with **KPIs**
- **Inter-operability and inter-dependency** of systems and processes not envisioned
- **Process driven** rather than output driven
- **Minimal collaboration and coordination** among various agencies and sectors

Current Issues related to digital transformation



Current Issues related to digital transformation

Requirements for a system is envisioned

- Missing User focus
- Missing KPIs |
- Missing coordination and collaboration

Specifications for a system is developed

- Missing user engagement
- Top-down waterfall model
- Missing elements of innovation and creativity

System is developed and put into practice

- Capacity Development
- Ownership of the system
- Required competency

An alternative model

- Government as **enabler of creativity and innovation**
- Government willing to try and fail (**fail early fail past**)
- Government willing to **co-create and innovate together** with private sector and academia

Way Forward

- Take **stock of various systems** being developed and used within the government and **assess their effectiveness**
- **Identify areas of Digital Transformation** in line with national priorities
- **Engage private sector and academia** to collectively co-create and identify the best solution

Way Forward

The Himalayan Times > Nepal > Finance Minister presents principles and priorities of budget
Finance Minister presents principles and priorities of budget

Published: May 09, 2018 5:33 pm On: [Nepal](#)

“The coming policies and programmes of the government would be focused on attaining the Sustainable Development Goals. Economic prosperity would be achieved by alleviating poverty,” he said, outlining the government’s economic priorities.

He said clean drinking water, access to basic health services, everyone’s association with health insurance, elimination of illiteracy, making the public education more effective, employment generation, new working opportunities, enhancement of the capacity of the labourers and tourism development were prioritised in the fiscal year 2018/19.

The Finance Minister also said that post-earthquake reconstruction would be high in priority and the scope of social security would be expanded.

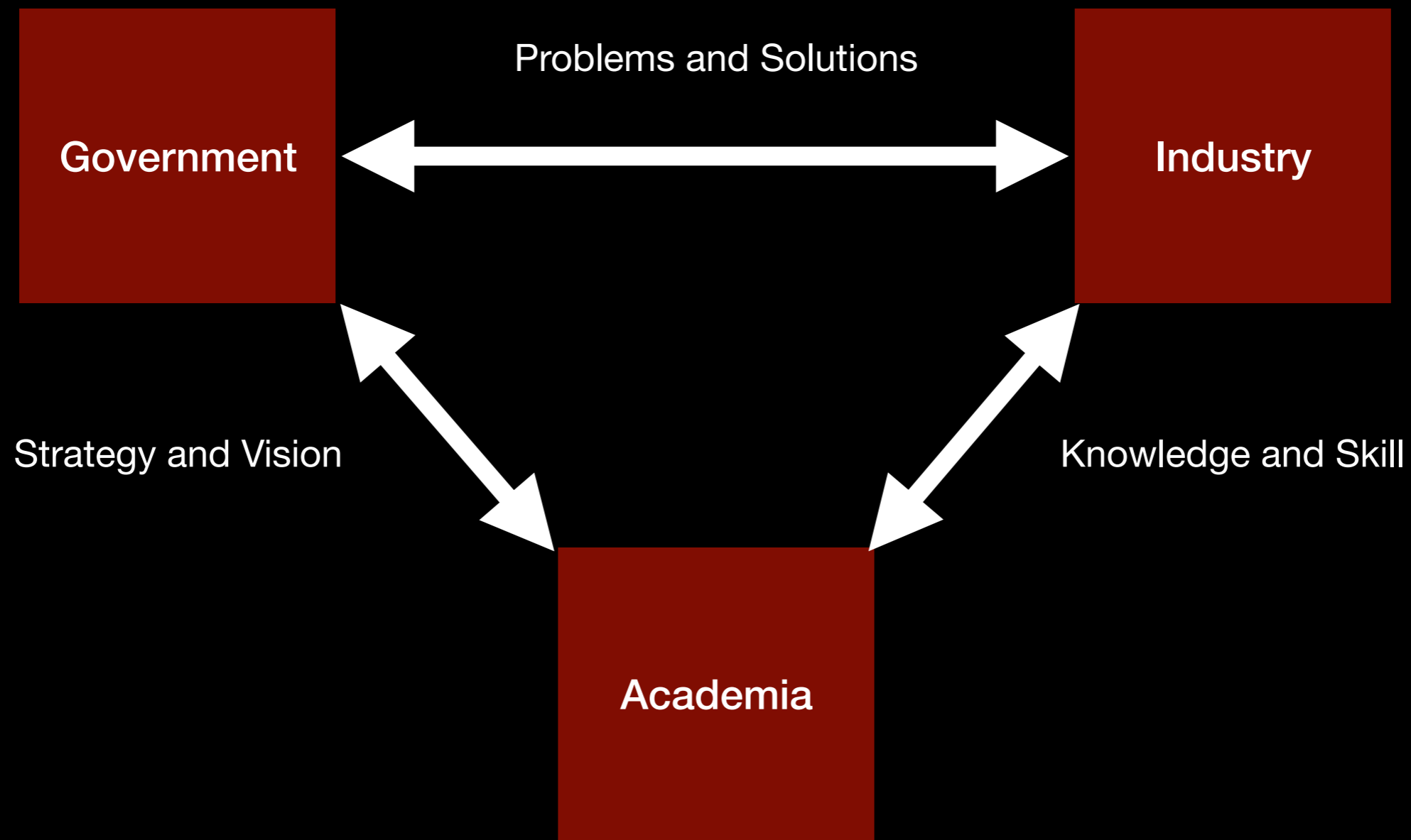
Way Forward

Let's think.....

What is required for Digital Transformation
in the areas of:

- Sustainable Development Goals
- Access Clean Drinking Water
- Public Education
- Employment Generation
- Tourism Development

Way Forward : Digital Transformation of Prioritized Sectors



Thank You

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