

E-Education ,E-Teaching, E-Learning

Dr. Manish Pokharel
Kathmandu University
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- Introduction
- Learning :“State of Arts”
- SDG Goal 4 and Goal 9
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Preamble

- Appropriate Technology for effective and seamless services to the citizen
- Providing effective learning system as a service to the every citizen
- Technology , Innovation should be driven by the need

Learning as a Service

- We still use traditional approaches of learning
- Student has to learn what teacher teaches
- Student has to make themselves ready as per teacher
- This is one of the core reasons of decline learning curve
- Now, the time has come to think in other around [Innovation needed]
- Now, teacher has to teach as per the student desire and comfort
- Focus on inline with SDG 4

SDG Goal 4[Quality Education]

- Ensure inclusive and quality education for all and promote lifelong learning

Seven Outcomes Targets

1. Universal primary and secondary education
2. Early childhood development and universal pre-primary education
3. Equal access to technical/vocational and higher education
4. Relevant skills for decent work
5. Gender equality and inclusion
6. Universal youth literacy
7. Education for sustainable development and global citizenship

Three Means of Implementation

- Effective learning environments
 - *Build and upgrade education facilities that are child, disability and gender sensitive and provide safe, non-violent, inclusive and effective learning environments for all*
- Scholarships
- Teachers and educators

SDG Goal 9

- Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Research for effective learning

- How can we bridge the gap among different schools in our country?
- How do we make our learning system more effective?
- What are the challenges?
- How do we meet the targets of SDG 4 and SDG 9?
- Research on Role of ICT in all SDG 17 goals

Solutions

- Imagination
- Innovation
- Imagination + Innovation = Imaginnovation
- Research on ICT in Education
- Let us grab the potential of ICT
- Ubiquitous System [Learning] is one of the solutions

Ubiquitous Learning

- Introduction
- What are we doing on U – Learning ?
- Why U – Learning ?

What is Ubiquitous Learning

- The *Ubiquitous Learning (U-Learning)* is an approach where learning is made to appear anytime and everywhere, in any format using any devices such as tablets, smart phones, or any terminals.

State of Arts of Educational Environment in Nepal

- **Challenges of Facilities**
- **Challenges of Experts**
- **Challenges of Electricity**
- **Challenges of Education Materials**



High-Gap of Education Opportunity

Full marks = 40

No	Schools	Ave. Score		Num. of Students	Sector/ Location
1	Arunima Higher Secondary	G3	27.57	15	Private / Khathmandu (Capital city)
		G5	36.79	20	
2	Adarsha Saula Yubak Higher Secondary	G3	27.2	20	Government / Lalitpur (Capital city area)
		G5	35.8	20	
3	Green Field Secondary	G3	26.24	25	Private / Mugling (Hilly area)
		G5	32.65	20	
4	Kamalamai Secondary	G3	22.93	25	Government / Sindhuli (Hilly area)
		G5	23.48	15	
5	Netrayoti National Primary	G3	21	14	Government / Dhading (Mountain area)
		G5	23.5	8	
6	Shree Chilaune Secondary	G3	21.4	25	Government / Sindupalchok (Mountain area)
		G5	22.92	20	
7	Shree Gyanjoty Secondary	G3	N/A	16	Government / Sindhuli (Hilly area)
		G5	N/A	16	
8	Baiteshwor Madhyamik Vidyalaya	G3	N/A	30	Government / Dolkha (Mountain area)
		G5	N/A	24	
9	Shree Janta Shankar Secondary	G3	N/A	44	Government / Saptari (Flat area)
		G5	N/A	45	

Big-Gap of Education Opportunity



How do we bridge the gap?

Ubiquitous Learning[U- Learning]

U-Learning Technology in Nepal



NSDevil

CHANGWON
NATIONAL UNIVERSITY

Education Innovation Center

(u-Learning & UBT Center)

NEPAL

EEOBULT

Equal Educational Opportunities by e-Learning Technology



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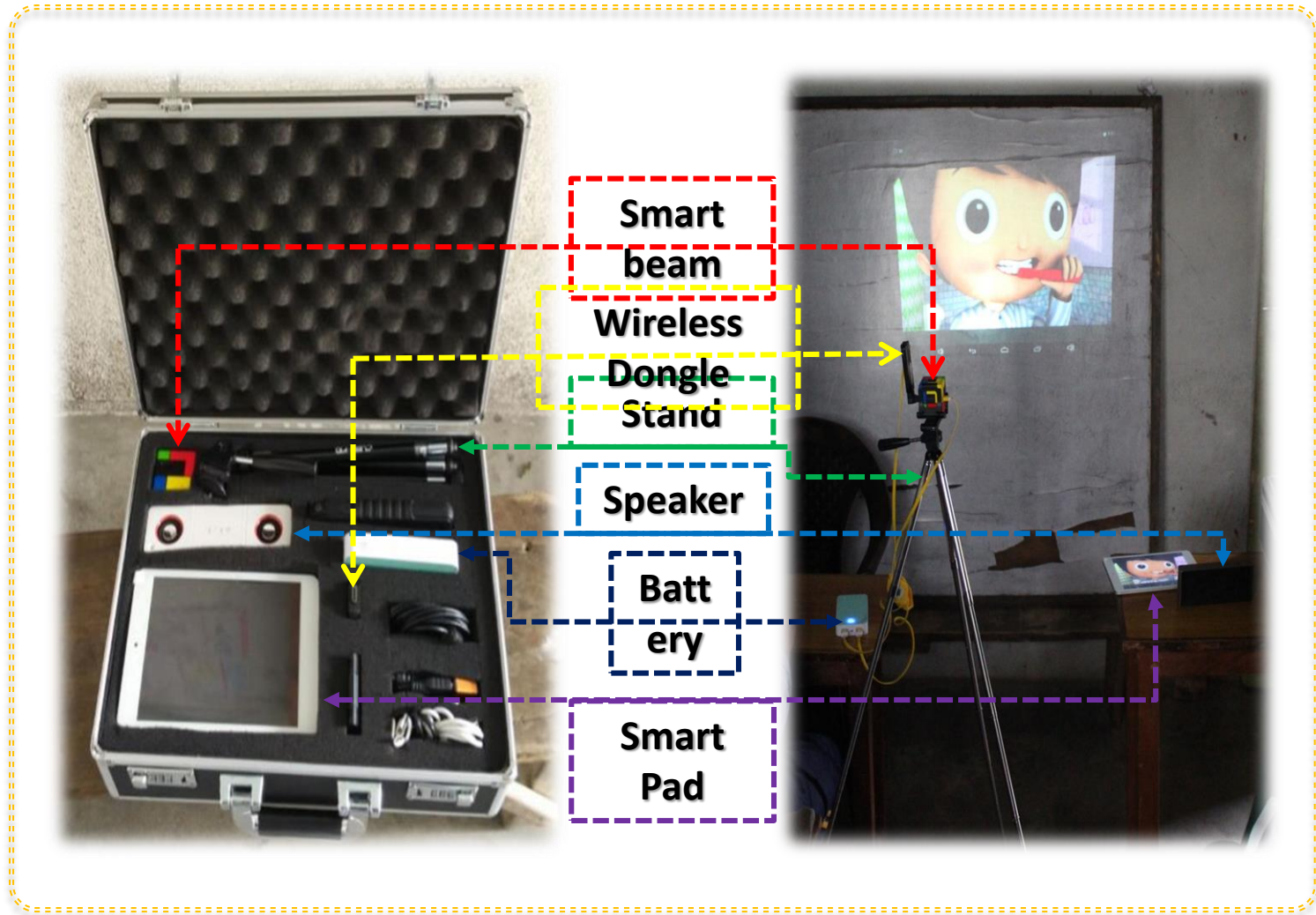
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U-Learning & UBT



U-Learning Box



U-Learning technology makes a multimedia room

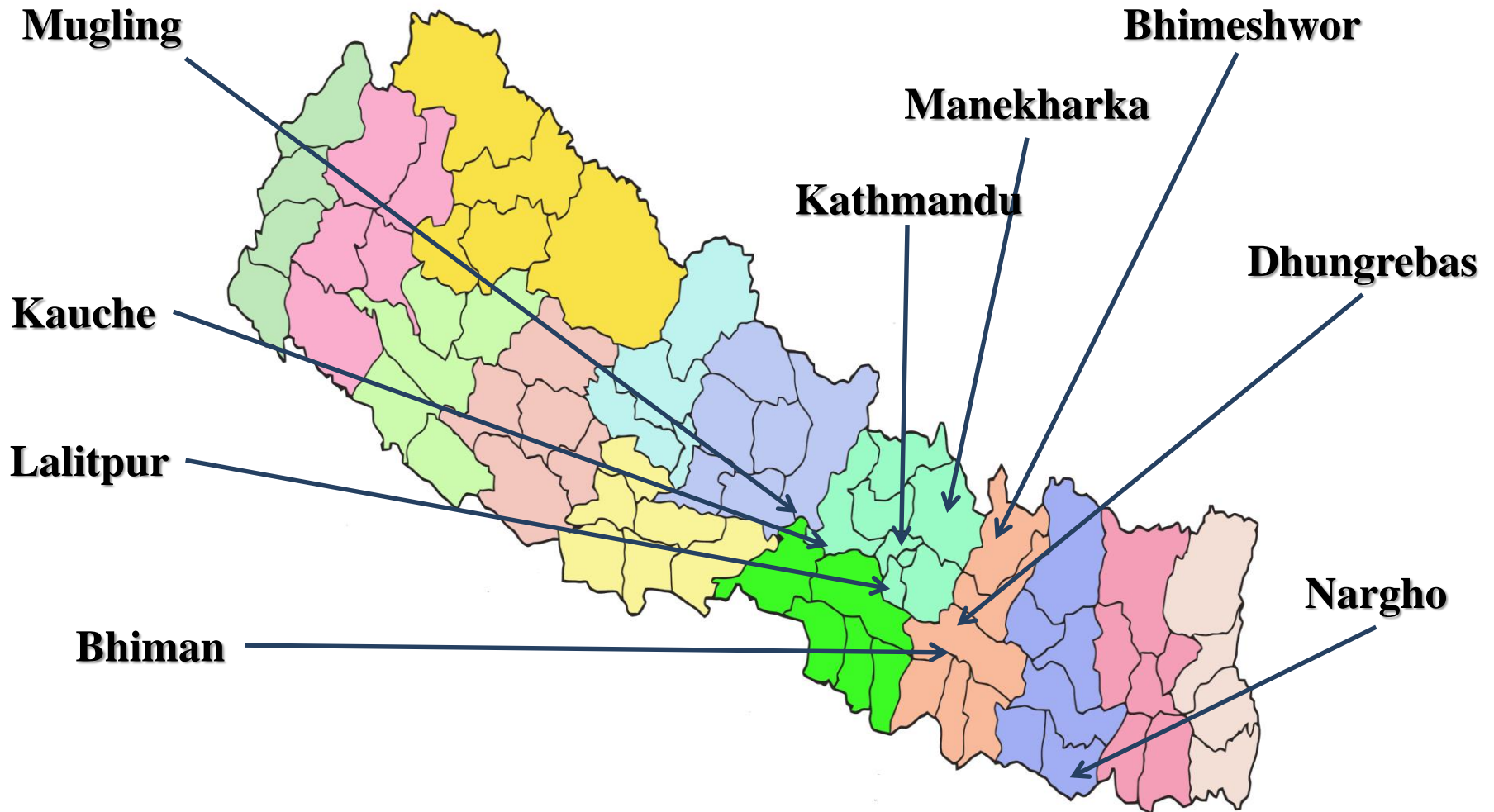
anywhere, anytime



Collaboration



Pilot Project for Model School



U-Learning Training Program in Nepal

- Learning how to utilize U-learning equipment in the class
- Developing education contents based on U-Learning
- U-learning based instructional strategy
- R & D activities for providing UBT and U-Learning system to schools

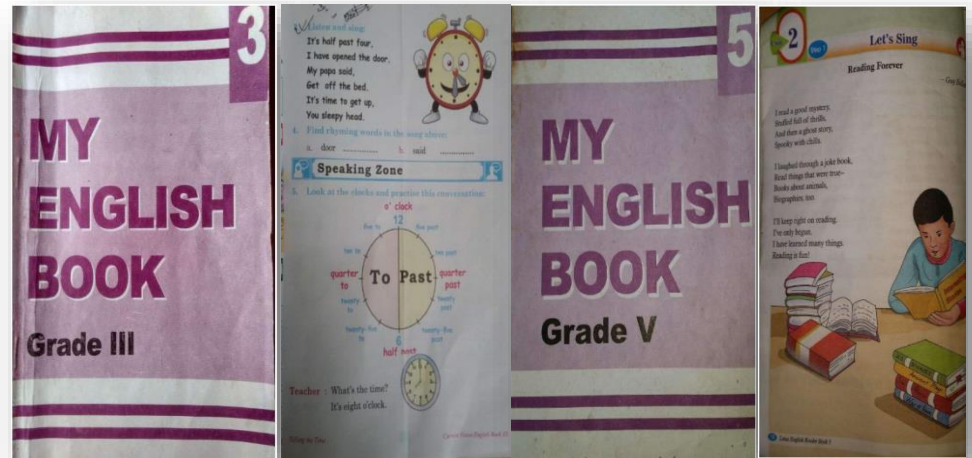


Present Status of U-Learning classes in Nepal

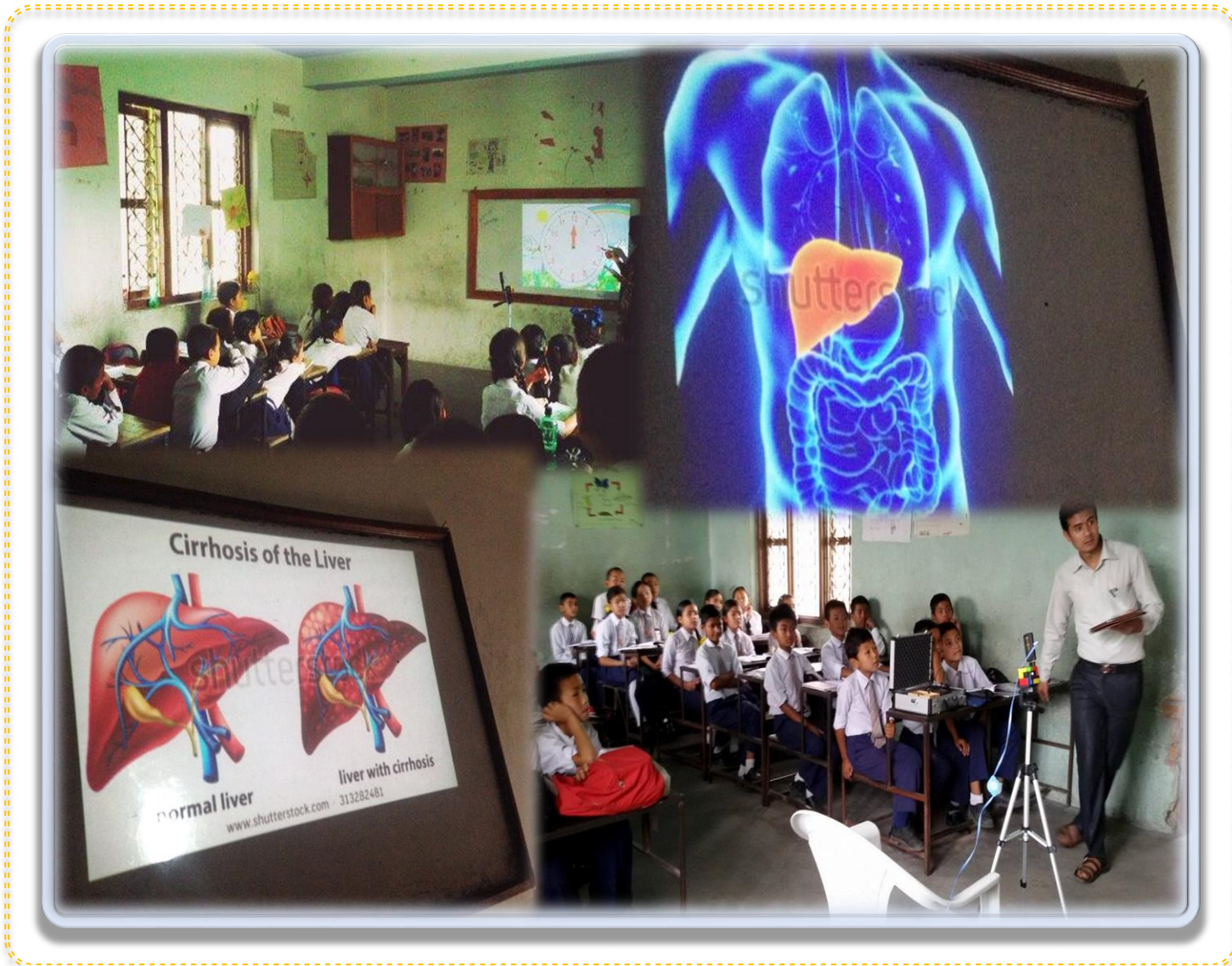
**Common English
Grade 3 ▶**

**Common English
Grade 5 ▶**

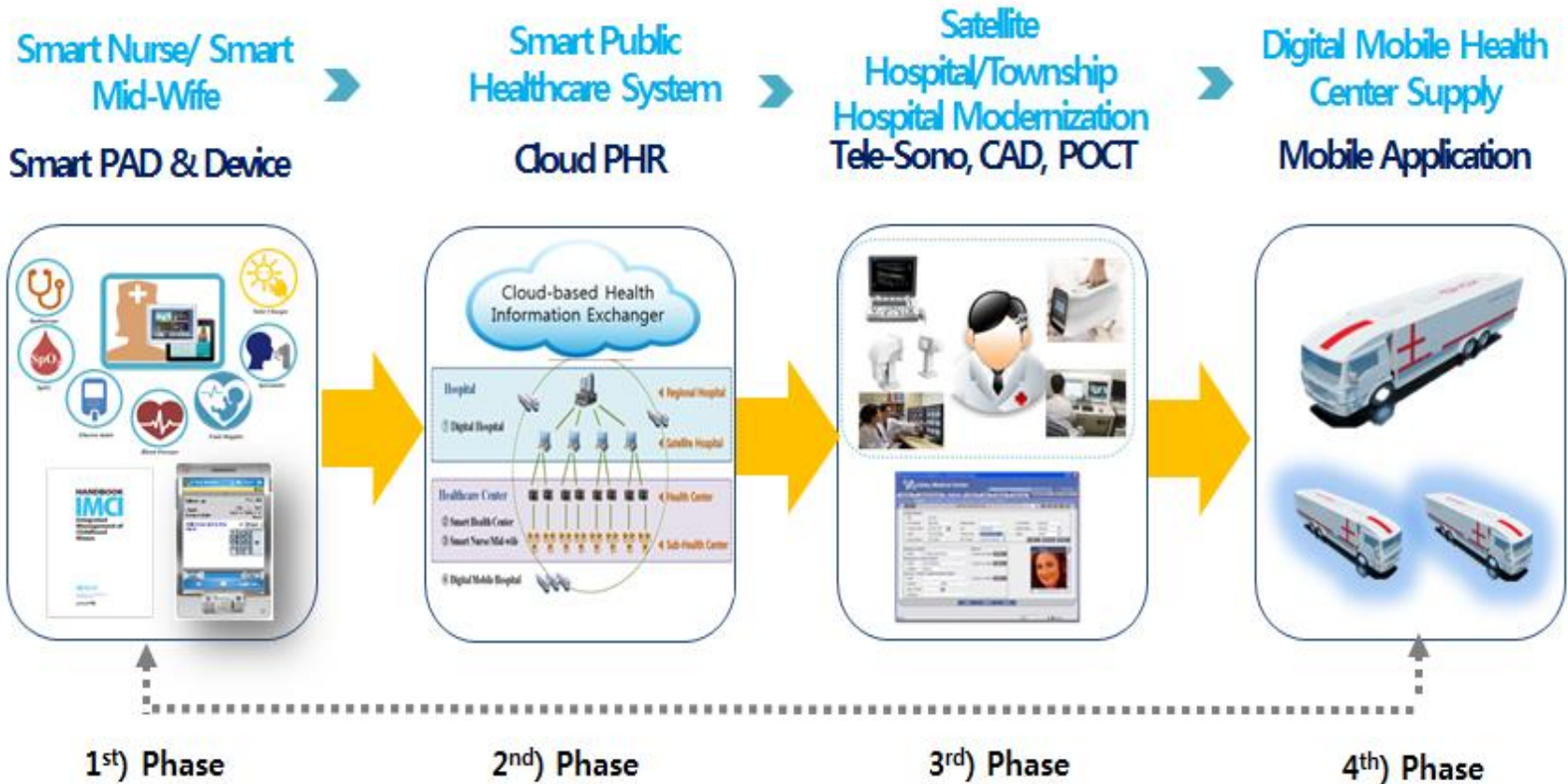
**Implementation in
Classes ▶**



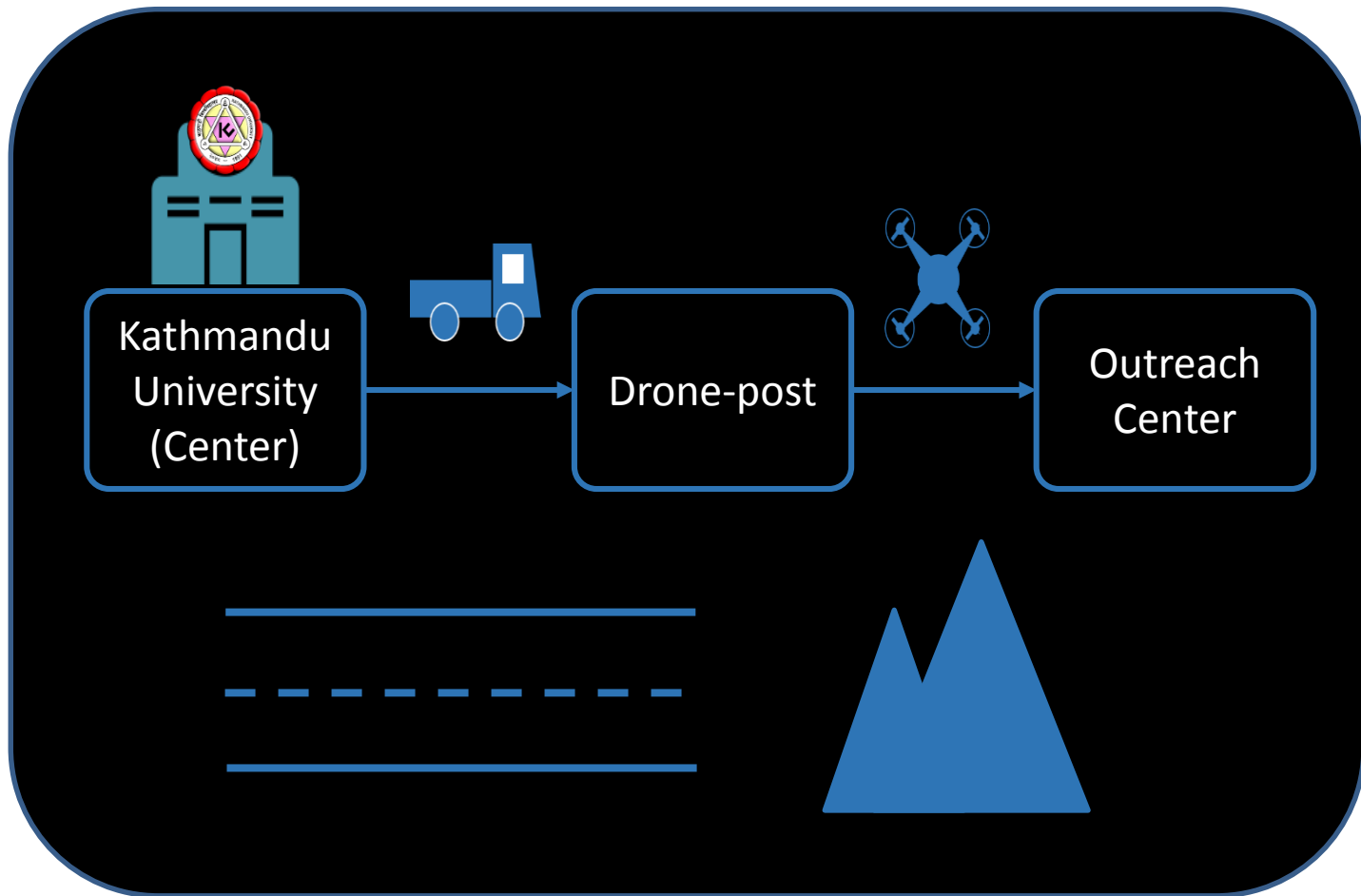
U-Learning classes are running in 9 schools



Smart Health System



Proposed Smart Medicine Project



Conclusion

- Missed all the revolution [Agricultural, Industrial]
- Let us not miss ICT revolution for our nation building
- Problem identification through involving academic institutes
- ICT for SDG 17 Goals
- Let us work together
- We can do

Thank you very much !!!

manish@ku.edu.np