Together with the World, Toward the Future

Global ICT Technology Program at KAIST

In the Post-Information Society

April 2014

Big 3 Futurists

Alvin Toffler   Daniel Pink   Richard Watson

High Concept Age

Right Brain Age

Consiliance Age

From Text To

★ Key Words for the Future★
- Collaboration

- Globalization

- High Touch Technology

- Story & Contents

Wayne Gretzky (1961~)

NHL Hockey Player with most goals of 894 in 1,487 games

You miss 100% of the shots you never take

I'm not following a puck, rather I am rushing to where a puck will go

Hellen Keller(1933)

Three Days To See

Teacher: Anne Sullivan Macy

Now and then I have tested my seeing friends to discover what they see. Recently I asked a friend who had just returned from a long walk in the woods, what she had observed.

"Nothing in particular," she replied. How was it possible?

What is ITTP/ITPP?

Scholarship Program for Master and Ph. D. Study

● Global IT Technology Program (ITTP) of KAIST and Global IT Policy Program (ITPP) of Seoul National University(SNU) are international scholarship and education programs sponsored by Ministry of Science, ICT and Future Planning, Republic of Korea.

Global IT Technology Program I
KAIST

iTTP @ KAIST
GLOBAL IT LEADERS

Global IT Policy Program I
Seoul National University

ITPP
International IT Policy Program

5

Initiative of ITTP/ITPP

"Why Korean government initiated ITTP&ITPP?"

● **To improve the living condition of all the countries.**

ICT is a major source of innovation and development

● **To enhance the Digital Opportunity of all the countries.**

ICT means sharing literally.

● **To provide mutual benefits to all the countries.**

Collaboration is a key paradigm in the global stage.

Program Overview – ITTP/ITPP

iTTP@KAIST
GLOBAL IT LEADERS

- Title: Global IT Technology Program (ITTP)
- Started from 2006 at KAIST
- Post-graduate program (Master's/Doctoral Degree)
- 123 fellows from 53 countries (as of 2013)
- Mainly educating IT professionals holding engineering background

ITPP
International IT Policy Program

- Title: Global IT Policy Program (ITPP)
- Started from 2003 at SNU
- Post-graduate program (Master's/Doctoral Degree)
- 91 fellows from 36 countries (as of 2013)
- Mainly educating IT professionals based on public governance and management of ICT.

Program Overview – ITTP/ITPP

Scholarship

- **Tuition fees** (Master: up to 2 years , Doctorate: up to 3 years)

- **Round-trip Airfare**

- **Living cost** (Appx. $1,500 per month)

- **Initial moving and re-location expenses**

- **Medical insurance**

Program Overview – ITTP

● Classification by Region

Region	No. of Students	No. of Countries	Country
Asia	43	13	Vietnam, Mongolia, Laos, Bangladesh, Pakistan, Nepal, Indonesia, Thailand, Bhutan, Sri Lanka, Afghanistan
Africa	44	21	Nigeria, Morocco, Egypt, Tunisia, Algeria, Ghana, Kenya, Ethiopia
East Europe & CIS	14	7	Uzbekistan, Azerbaijan, Czech Republic, Bulgaria, Moldova, Kazakhstan, Kyrgyz Republic
South America	15	7	Chile, Costa Rica, Brazil, Ecuador, Peru, Colombia, Dominique Republic
Middle East	7	5	Jordan, Yemen, Syria, Oman, Qatar
Total	123	53	

● Classification by Occupation

Occupations	Number of Students
Government Officials	69
Professors in National University	21
Researchers	18
National Telecom Employees	14
Total	123

9

Features of Program (ITTP @ KAIST)

Major Requirements
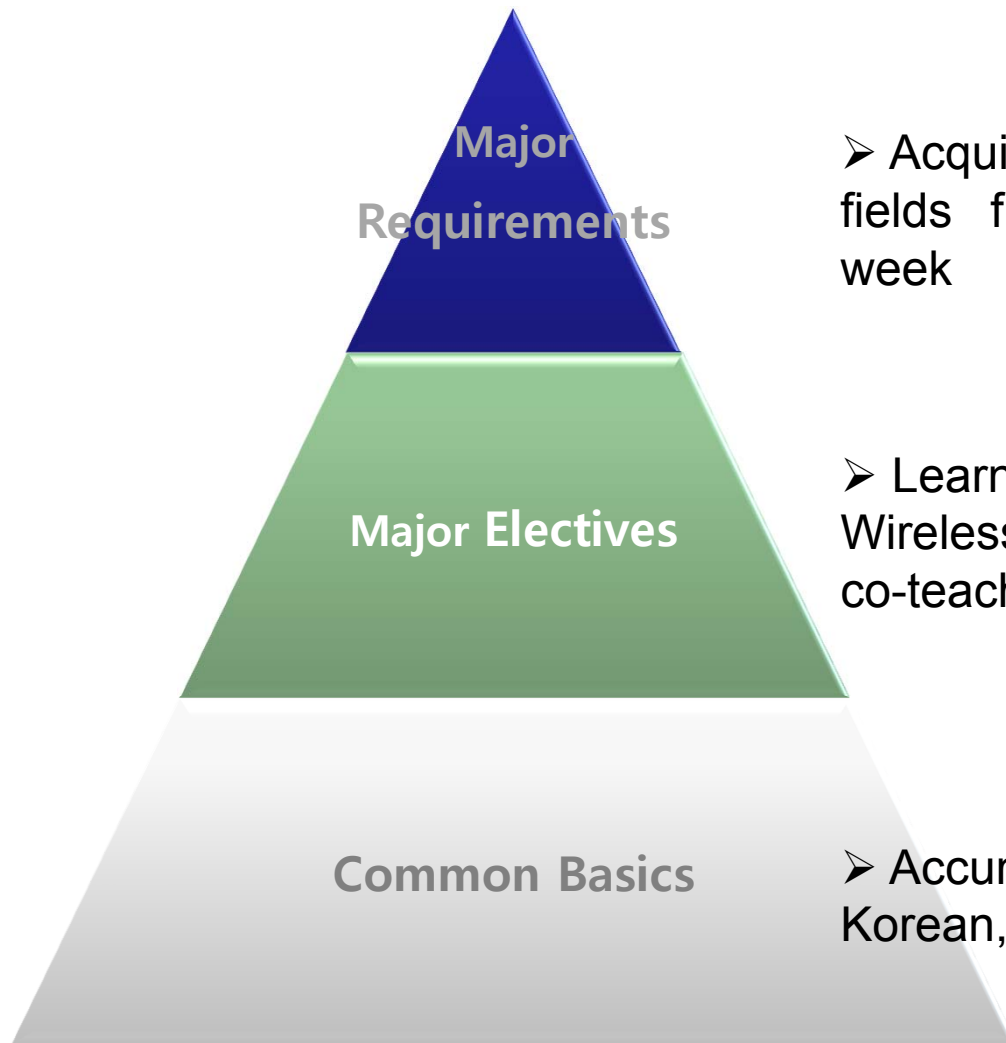
➢ Acquire extensive knowledge in all the IT fields from 12 different professors every week

Major Electives

➢ Learn one specific IT field such as BcN or Wireless intensively from 2 or 3 professors' co-teaching

Common Basics

➢ Accumulate general knowledge about Korean, English & Culture & History

Features of Program (ITTP @ KAIST)

Items	Course Title
Common Basics	Korean Language I, II, III, IV
	Korean History and Culture I, II, III
	English I, II
	Advanced Technical Writing
	Taewkondo I, II, III, IV
Major Electives	Wireless Communications Technology in Korea
	Ubiquitous Computing in Korea
	BcN Technology in Korea
	Multimedia Technology in Korea
	Software Engineering in Korea
	ICT Economics and Management
	Internet Business and Management
	IT Technology Management and Policy
	Strategy and Organization in Venture Business
	Financial and Accounting Management in IT Policy
Major Requirements	Introduction to the Latest IT Technology R&D in Korea
	Introduction to IT Technology Management/Policy in Korea
	Seminar I, II, III
Research	Country Report for Non-thesis
	Research for Thesis
	Research for Ph.D Dissertation

11

Weekly Seminar (ITTP @ KAIST)

● Held 8 times per spring/fall semester

● Invite Korean IT professionals

● Provide network opportunities w/ Korean industries

: FKT, MIC, Samsung, LG, ETRI, etc

● Cover a variety of practical topics

: E-Government, ISP, Software, Security, Global Leadership

Internship (ITTP @ KAIST)

■ **Internship Program** at

ETRI & Public Procurement Service

- ✓ 8 weeks during summer semester
- ✓ Assigned to Research teams of interest
- ✓ Advisor & Mentor per student Assigned
- ✓ Close Network with Researchers
- ✓ Global Day

Korean Culture Experience Program (ITTP @ KAIST)

● **Korean Language**

  ✓ From Beginner level to Advanced level
  ✓ Speaking, Listening, Reading, Grammar
  ✓ Take 5 courses in the 1st year, 2 courses in the 2nd year

● **Korean Culture and History**

  ✓ From old dynasty to Modern Korea
  ✓ Intensive discussion about development of Korea

● **Korean Culture Tour / Industry Visits**
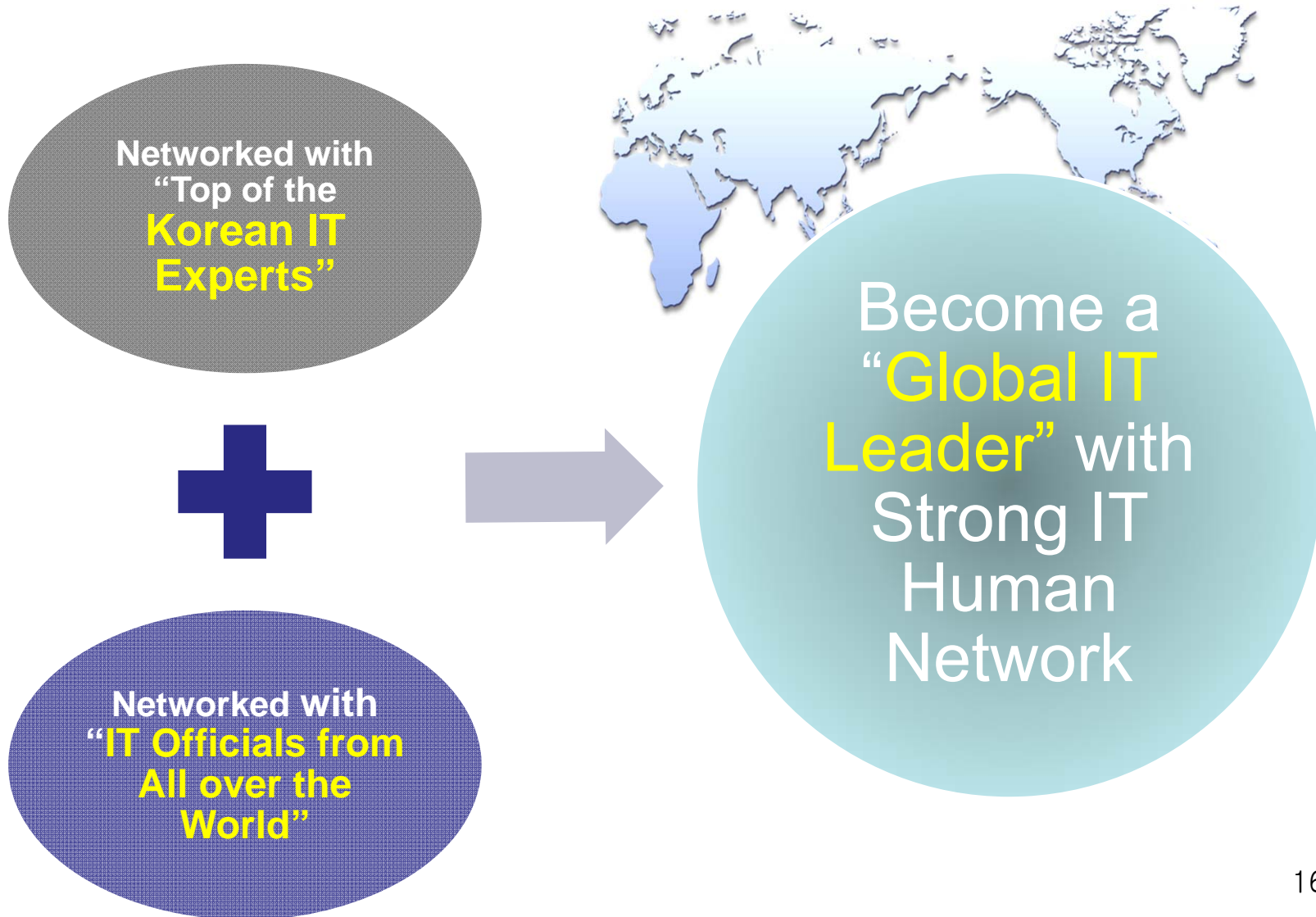
14

Features of Program (ITTP @ KAIST)

KAIST O.N.E (Overseas Networking Exchange) :
Countries' Culture Introduction Every Other Week

Global IT Network

Networked with "Top of the **Korean IT Experts"**

+

Networked with **"IT Officials from All over the World"**

Become a **"Global IT Leader"** with Strong IT Human Network

16

Global IT Network

● ITTP/ITPP network is not terminated with graduation, but sustained even after the graduation.
Even when students return to their countries after graduation, the Human Network structured
in the ITTP/ITPP program contributes to international cooperation as the basic ITTP/ITPP network.

Building Partnership

-with Korean IT industry experts & Alumni

-through sharing collaboration experiences
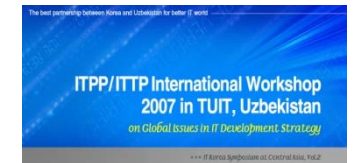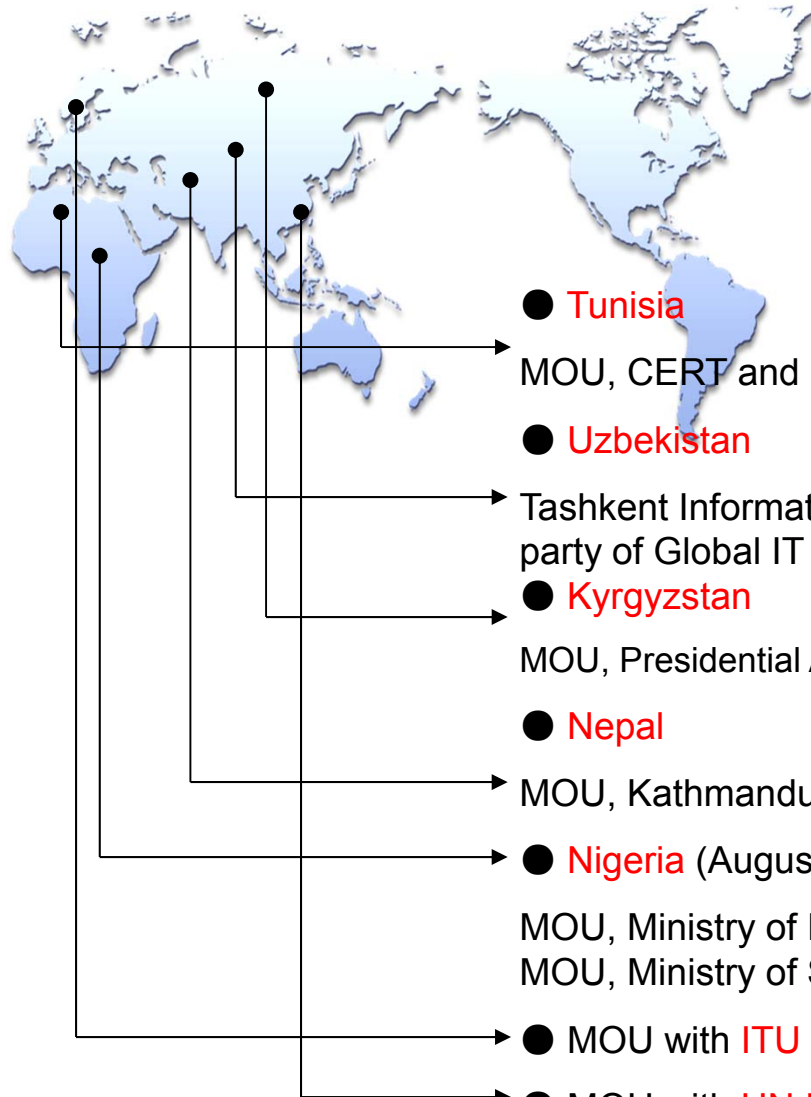
-in Seoul every year

KAIST ITTP Forum

ITTP network will be tightly formed and
strengthened through **ITTP
Forum(Global Alumni Network)** held
once a year even after graduation.

Global IT Network

Global Partnership I MOU

● **Tunisia**

MOU, CERT and ITTP (June 2008)

● **Uzbekistan**

Tashkent Information Technologies University (TUIT) is one of the best partner party of Global IT Policy Program, Seoul National University.

● **Kyrgyzstan**

MOU, Presidential Administrative Department of the Kyrgyz Republic(July2005)

● **Nepal**

MOU, Kathmandu Metropolitan City (June 2007)

● **Nigeria** (August 2007)

MOU, Ministry of Information and Communication
MOU, Ministry of Science and Tech, Abuja, FCT, Nigeria

● MOU with **ITU** & ITTP (Feb 2007)

● MOU with **UN University(Macau)** & ITTP (April 2008)

18

Global IT Network

Global Partnership I Consigned Education

$80,000/1/ 2011

$78,000/2/ 2012

$1,539,440/ 19/ 2010,2011, 2012, 2013

$160,000/2/ MOU

How to Apply

• **Possible Candidates**

    ✓Government officials

    ✓Professors in national universities

    ✓Researchers or experts in national institutions

    ✓ITU members

    ☞ <u>Employees from private companies cannot apply!</u>

• **Qualifications**

    ✓Engineering Background

    ✓English Score or English Medium

    ✓Nomination by government and Korean embassy

20

Critical Success Factors

Vision & Commitment — About Leadership Program

Smooth Coordination — Among ITU, and KAIST/SNU

Best Qualified Fellows — With Strong Advertisement Effort

Excellency of Education — Through Unique and Customized Education

Continuity of the Program — Until reaching critical mass of fellows

What's in Common?

Samuel Kamau WANJIRU

(Kenya, Japan)

El Greco "Laocoon" 16C

(Greece, Italia, Spain)

SON Masayoshi

(Japan, USA, Korea)

Thank You!

Merci

Gracias

شكرا.

감사합니다!

Cam On

TERIMA KASIH

Prof.Jae Jeung Rho (Dean of ITTP, KAIST)

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23