



WHY NOT CHANGE THE WORLD!

One looks out to a glorious future for the God's people. Whilst restoring relationship with Christ and each in his or her field, working to build solid foundations of God's kingdom, we have come under a new name of 'school of GE & ICT,' making new roads and continuing on the path of challenge and creation.

GETTING TO KNOW US

SCHOOL OF GE & ICT

Change favored by God, challenge cared for by the world, Wouldn't you like to know more about the school of GE & ICT?

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Questions about the school of GE & ICT!



What are the purpose and reasons for the creation of the school of GE & ICT?



How is the basis of the school of GE & ICT, or its specialization?



Who are the right people, and what are the big goals of education for the school of GE & ICT?



What majors do the school of GE & ICT consist of, and what kind of courses can be learned?



Who are the professors, and which fields are they in charge of?



How are the prospects for post-graduation and employment like?



When choosing to be part of the school of GE & ICT, what are some of the benefits from having been supported by the Ministry of Education?



PREPARING FOR A WHOLE NEW WORLD

PARADIGM SHIFT & INDUSTRY 4.0

The 4th Industrial Revolution is approaching.
What will the world we will be living in look like?

The society's industrial structure changes in correspondence to the ever fast and complex changes of our world. And now, past the 1st, 2nd, 3rd Industrial Revolution, generation of Industrial Revolution of Knowledge will follow, which is founded on the combination of knowledge and information. For the welcoming of this new generation, we are in need of new man of talents and competencies.

From Industry 1.0 to Industry 4.0

1.0

1784

based on mechanical production equipment driven by water and steam power

electric power increase



2.0

1870

based on mass production enabled by division of labor and the use of electrical energy

spatial travel of electrical power and information

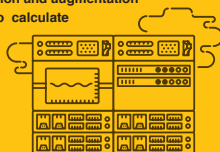


3.0

1969

based on the use of electronics and IT to further automate production

memorization and augmentation of ability to calculate

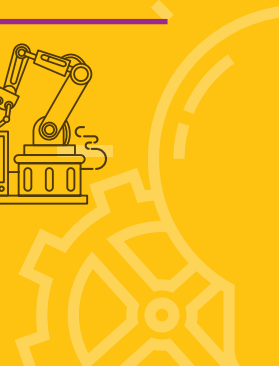


4.0

tomorrow

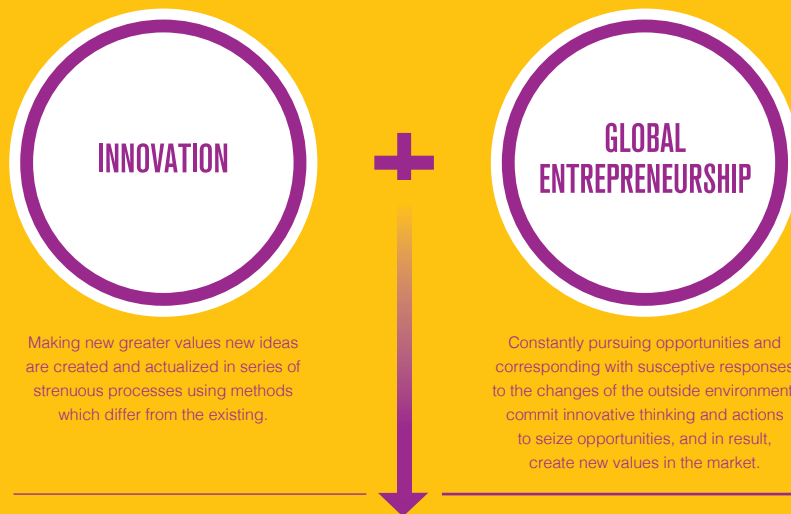
based on the use of cyber-physical systems

learning and judgement



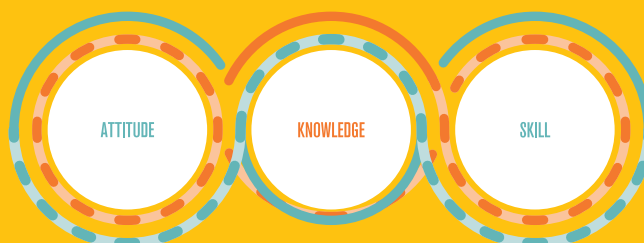
The newly approaching times of learning and judgement, How can we get ready?

Coming 4th Industrial Revolution, innovation, and entrepreneurship are key qualities required of a 'Creative Difference Maker.' Cultivation of these qualities and abilities are achieved in the school of GE & ICT.

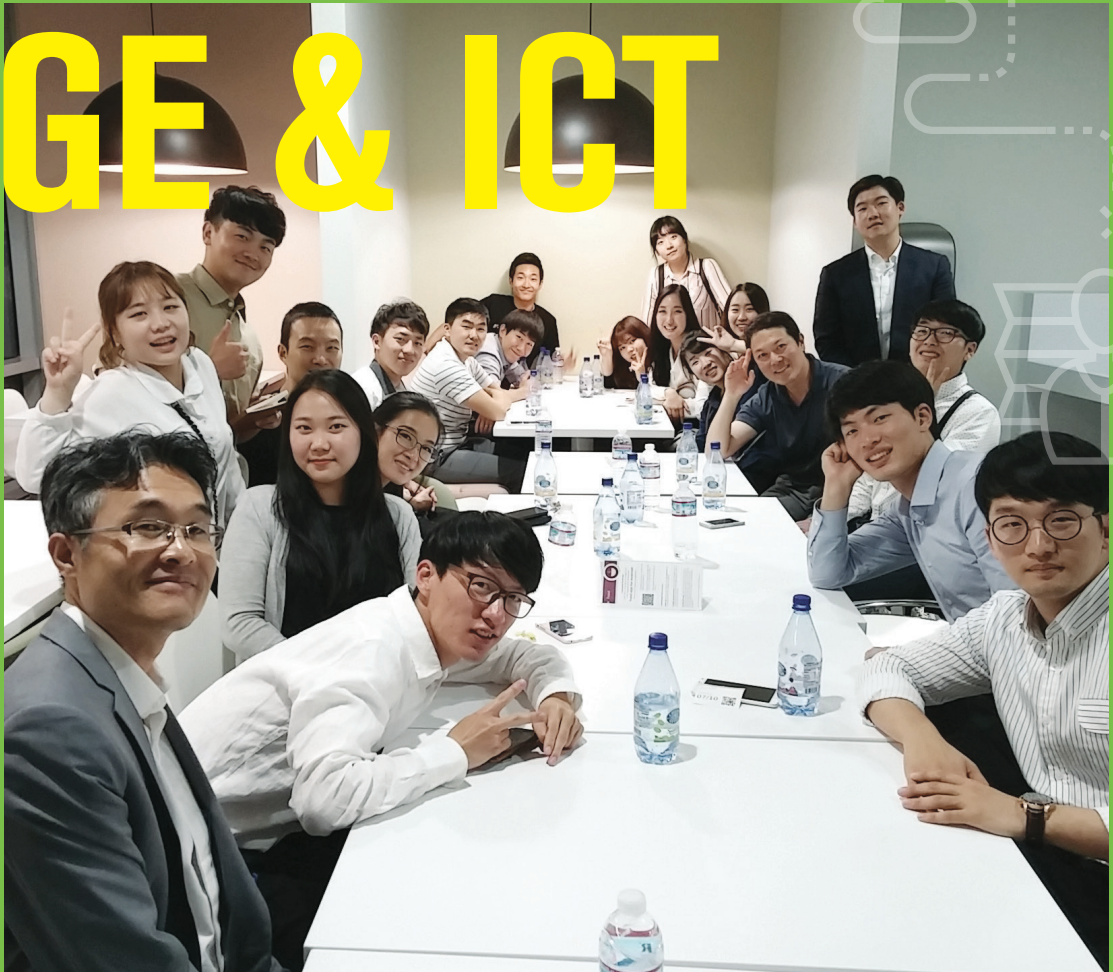


Abilities Required of a Creative Difference Maker

Entrepreneur Capability	entrepreneurial ability, adventurous heart, precision, understanding of business, mind seeking for challenge, mind for development
Understanding And Problem-solving Skills	ability to analyze problem's origin and deriving solutions, ability to establish strategic plans
Ability To Understand Organization Structure	community consciousness, sharing of vision
Teamwork	sharing of team goals, building growing relationships, leadership
ICT Capability	programming skill, system analysis, planning, developmental ability
Tech Usage Ability	computer usage skill, information gathering management, information analytical skill
Flexibility, Adaptability	extrovert / friendly personality, wits
Communication Skills	letter / speaking communicative skills, open communication, flexible thinking



SCHOOL OF GE & ICT



What majors do the school of GE & ICT consist of?

In the department, there are 3 majors provided. GE, ICT Entrepreneurship, ICT convergence

To change the world that God has given us,
To correspond and lead the fast-approaching generation of Industrial Revolution of Knowledge,
To train Creative Difference Makers
School of GE & ICT has been established.
BA of Engineering is presented for all 3 majors, and those enrolled will not only learn the workings of enterprises, but also develop abilities to make opportunities and values of entrepreneurship into actual reality.



global entrepreneurship

1, 2 majors
33 credits

Cultivation of entrepreneurial mind and business management abilities

Core Abilities

entrepreneurial mind, market problem analysis, project planning, business development, problem solving, item development

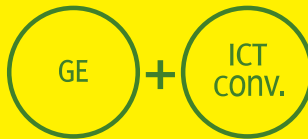
Core Branches

Inauguration of an enterprise / practical business affairs / mindset (market research and analysis, accounting and investment, marketing, law/ethical management techniques)

enterprise development & system engineering

1, 2 majors
45 credits

Nurturing practical and competent figures who will lead the knowledge industry generation of our future based on his or her ICT and entrepreneur capabilities and abilities.



information communications technology convergence

1, 2 majors
33 credits

ICT convergence research and cultivation of applied abilities

Core Abilities

programming, prototype development, computer science thinking, data analysis, Request and demand analysis, writing up technical document

Core Branches

big data, model & simulation, human-computer interrelation, visual media (VR/AR)



| Goal for Competence |

Progressive Entrepreneur

Able to plan a new project by oneself with a future-oriented and challenge sought out attitude and passion

Planner / Executive

Able to solve problems and present creative alternative methods by merging various skills and specialties, and taking the initiative to promote the actualization.

Information Specialist / Analyst

Maximize the usage of information technology skills and capabilities to effectively acquire and collect, manage, and analyze various information. Through such, lead the knowledge industry generation of our future

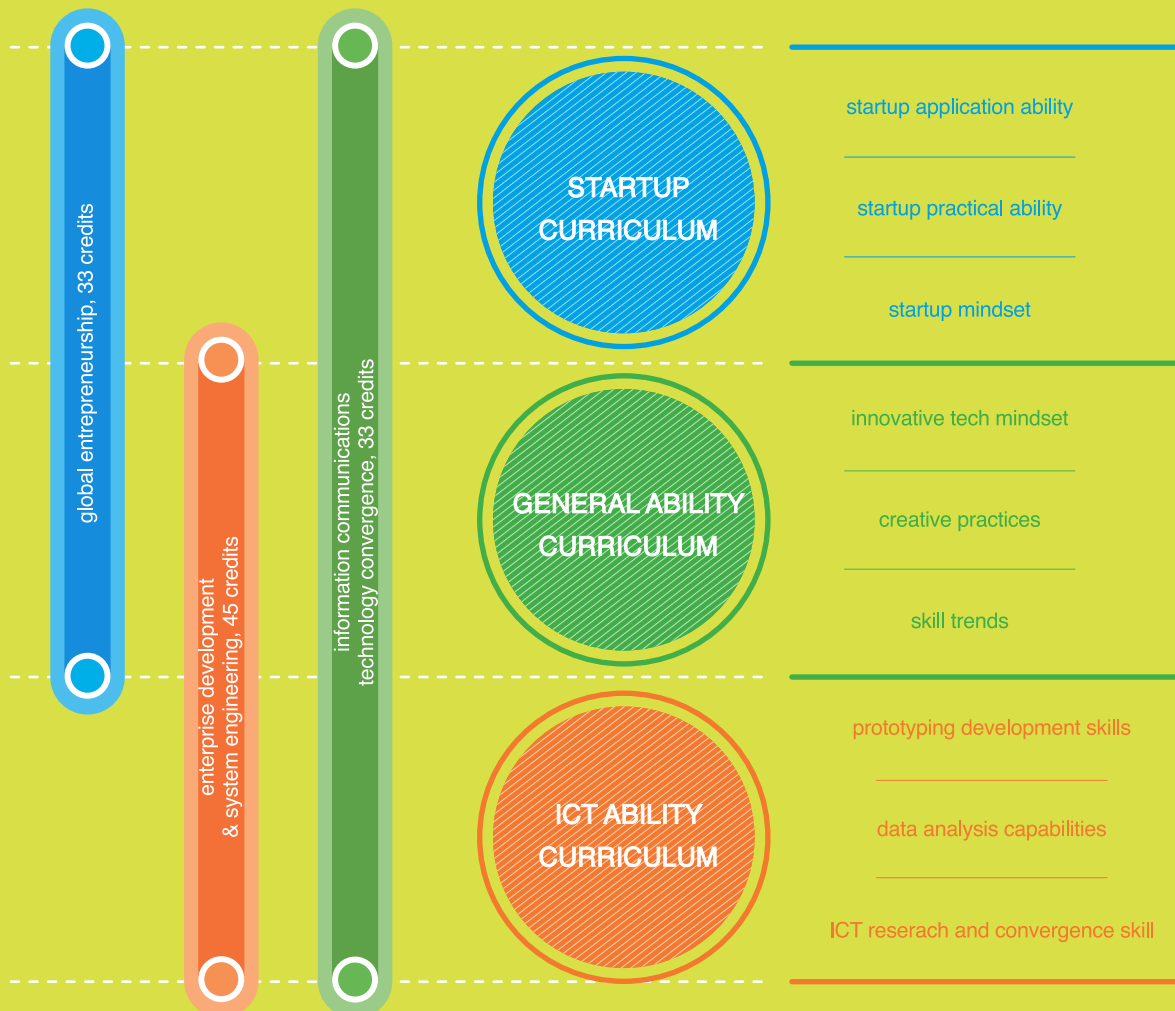


CORE CURRICULUM

THINKING, BEING, DOING, TOGETHER

What makes up the school of GE & ICT?
What can be learned here?

The school of GE and ICT's convergence is not just a simple combination of two already existing majors, GE and ICT. The make-up of GE & ICT is reflected on the education contents that of the school for future-leading educative facility.





Think InG

Understanding the problem and training hard for the skills to devise strategic ways in solving the problem

- I All-around curriculum, lectures for vision development, in / out of campus academic extracurriculars
- I evidentiary data analysis abilities based on computer science related thinking
- I product and service planning and business management based on the market and consumer's needs

BEInG

Establishment of self's value, identity, life's justification

- I Ethical, spiritual value system positioning
- I Professor and college buddy mentoring, academic advising and career counseling, alumni networking system
- I Special lectures and counseling by CEO and those of managerial positions from various industries, seminars by invited specialist

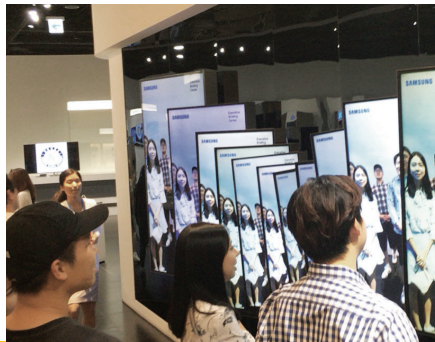
Do InG

Practical education and application for alleviating and solving problems in real life

- I projects liked with businesses, strengthening of communicative skills
- I startup competition, entrepreneurship camps, Silicon valley, Shanghai, Europe, Southeastern Asia

Freshmen (requisite common studies)	Sophomore (core common studies)		Junior (convergence studies)		Senior (practicum)	
	1 sem. / 2 sem.	1 sem. 2 sem.	1 sem. 2 sem.	1 sem. 2 sem.	1 sem. 2 sem.	1 sem. 2 sem.
		Project management practice Problem solving methodologies	Entrepreneurship camp Entrepreneurship practice		Advanced marketing practicum	
	Global management and business development		Startup Financial Accounting and Value Evaluation		Investment and Fintech content development	
	Entrepreneurial English communication	Entrepreneurship and practicum				
Vision Development II (department requisite)	Vision Development II (department requisite)		Vision Development III (department requisite)		Vision Development IV (department requisite)	
Introduction to global enterpriser mind (GE requisite)	Product Design & Development		Capstone Design I / II		Capstone Design I / II	
Introduction to ICT convergence	Intensive reading I Intensive reading II		ICT entrepreneurship camp			
	Programming I (ICT convergence requisite) Programming II		ICT application development		ICT convergence simulation and application	
	ICT problem solving methodologies ICT convergence modeling and analysis methodologies			Data management and application	Big data analysis	
	Introduction to data science					
	Introduction to visual media Human and computer interrelation		Understanding and application of emotional intelligence and human intelligence		ICT convergence data visualization	

ACTIVITIES



2016. 08 Business entity inquiry visit



2016. 08 Startup Accelerator Observational Visit

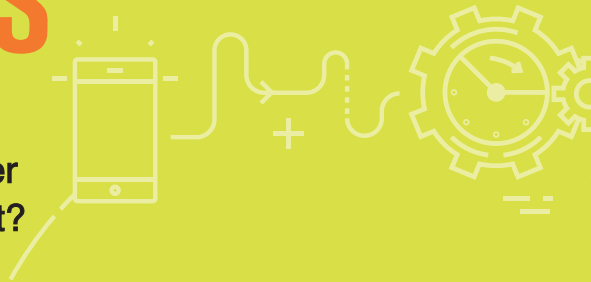
2016. 08 Department Vision Camp



2016. 10 Career Camp

FUTURE CAREER POSSIBILITIES

How are the present conditions for after graduation career and job employment?



Not only does one expectantly demonstrate his or her abilities in the world's renown first class businesses, but a faster way opens up for entrepreneurship and higher level of academic entrance allowing the discovery of bearings of challenge of youth.

5.5%



Medium enterprise employment

16.7%



Inauguration of an enterprise

30.6%



Corporation employment

38.9%



Graduate school entrance

Venture & Private enterprises

B-um soft
Andbut
Cafe4M
Newyork Oven

Businesses mainly entered

Samsung electronics
Samsung SDS
Hyundai Automobile
Naver
LG CNS
LG U+
CJ Korean Express
LG HS Ad
SK planet
Hyundai Mobis
LG electronics

Korean graduate schools

Seoul National University
Korea University
KAIST college of business
HILS
Ewha women's university
school of medicine
Chonbuk national university
school of medicine
Chonnam National University
Medical school
Kyungpook National University
school of medicine

Foreign graduate schools

Rosalind Franklin University
of Medicine and Science
University of Pittsburgh
Chicago Medical School
IE Business School
University of Hawaii at Manoa

**Possible career paths
for ICT entrepreneur,
ICT convergence,
and interdisciplinary
studies majors**



International studies major

Databased international situation analyst



English major

Intelligent translation, conversation service specialist



Business management major

Management information system planning, developing, administrator VR-based marketing specialist



Economics major

Databased finance analyst, finance engineering



Korean law major

law information service planner



American law major

Databased judicial analysis specialist



Performance and media major

Novel media method specialist, culture technique merged performance planner



Communication sciences major

Media data analyst, databased journalism specialist



Construction engineering

Smarthome, smart city specialist, VR based constructor



City environment engineering

City / transportation planning and modeling and simulation, VR based city planning specialist



Mechanical engineering major

UI/UX specialist(automobiles, ships, aviation), human-centered entertainment robot development



Electronic engineering

IoT product and service planner, developer, manager



Visual design major

Information Visualization professional, AR based visual design



Product design major

UX & service design planner, prototype developer



life sciences major

brain and cognitive sciences, genetic data analysis, computational brain image analyzing and biology specialist



Counseling psychology major

Databased cognitive analyst, VR based psychotherapy specialist



Solcial welfare major

Intelligent welfare planning specialist, telepresence based welfare specialist



IT major (100% English)

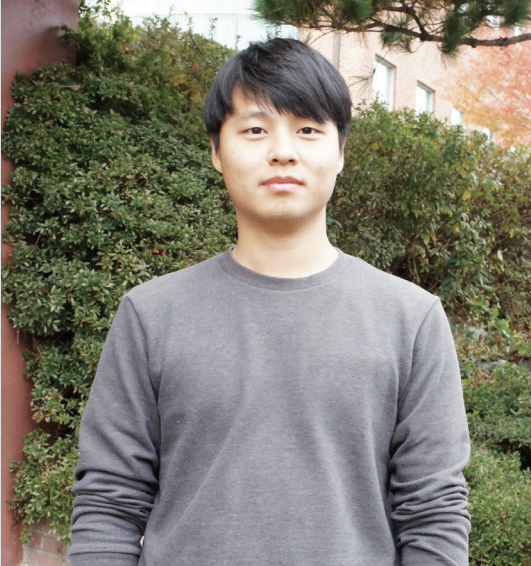
Global SW planner, developer, analyst, manager



electric control engineering major

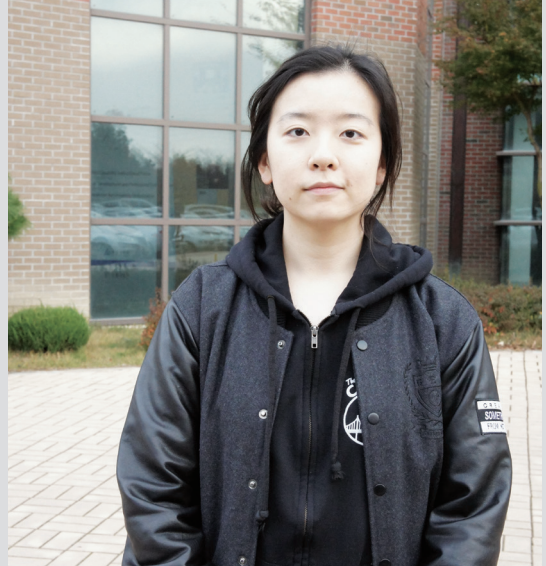
Databased automobile control specialist, human-centered VR equipment developer

What are some messages senior classman wish to give?



12 student ICT convergence major
JunHyuk Kang

Hello, my name is JunHyuk Kang. I started school in the year of 2012, double majoring in ICT and Business management. Currently, industry and markets as a whole, is in strong familiarity with the keyword ICT, and as it is a common term to come by, it is evident that ICT is the center of future industries. Of the many major choices at Handong Global University, opportunity to learn about under the spotlight, and current issue concerning big data, data science, human sensibility ergonomics, modeling, and simulation sciences appealed to me greatly. While listening to the lectures and taking part in various projects, I gained not only professional knowledge, but was also able to develop practical skills as well. By using the knowledge about data sciences obtained as an ICT major in addition to the business analyzing skills acquired as a business major, I will become a data scientist who can emit positive influences on the business's decision making process.



14 student GE major
DoHee Kim

'Entrepreneurship' simply wasn't the reason for my choosing the school of GE & ICT. I chose to major in GE because I wanted to learn a more practical contents of learning, which can actually help in the future as I got out into the real world. In GE, we underwent process where imaginative ideas were conceptualize then actualized, discover and seek solutions about realistic problems while making modifications post receiving various feedbacks from the professor and from peers, and practice how to think logically. In addition to lectures, through team projects, each consisting members learn to understand and respect each other's views and effectively carry on with project meetings. Above all, I was most grateful for having worked with those of GE majors who are passionate about 'idea,' which helped me to grow as well. I wish to learn and grow even more in the time remaining in Handong as a GE major.

Honest voices and thoughts voiced out by upper classman based on what each individual have seen, heard, and experienced for him or herself throughout the years.



08

alumni

Ig Cns, energy industry
business strategy team

JuYae Kim

Entrepreneurship learned from the school of GE & ICT is a value from God, which provided a foundation for me to grow and mature as an individual to create something all from nothing. The petit GE labs, where I have had repeated failures countless times was paradoxically a place to exercise and practice courage, a field camp as the greatest place of learning, and also where each individual of different major backgrounds gathered to mature and interact like crocks of various sauces and condiments undergoing fermentation. Due to courses that demanded acquiring of information firsthand, training for problem solving made possible using the convergent ideals and thinking. Through the field experiences and the dynamic learning experiences were completing assignments with the mindset of the owner made possible. The professors acknowledged each of the students as an enterpriser and guided us to train to have a right mind. I am so thankful to have met colleagues and pursue God's dream together with them even after having graduated. I wish to root for all of who will work to solve problems and present hope in each in his or her given place and condition.



08

alumni

Ker I

HyunSung Park

In 2009, as I have had my first encounter with the concept of entrepreneurial spirit while majoring GE, even 7 years later, the term is heard often, used, and known by many. However, the entrepreneurial spirit encountered while in Handong Global University has more special meaning than such. Basing on the spirituality of knowing God right, jumping in with a vision and being able to become a pioneer of any criteria or fields, it is this mindset that allows true understanding and learning of entrepreneurship, and not just as a means for economic growth, innovation, and maximizing benefits. In addition, when taking part in the project based courses, creative products, the broadening of individual knowledge spectrum while simultaneously learning to challenge rather than fear cooperating with others are the results of each student's varying majors. Blessings to all GE majors training for the mind, flexible and yet which does not falter in the ever fast changing times.



SUPPORTS

What kind of benefits and support are provided in the school of GE & ICT?

Outstanding individuals grow bigger and taller with encouragement and support. While providing scholarship system and various extracurricular activities, we wish to sponsor more experiences and to reassure our students with a reliable support system.

How does the PRIME industrial selection and support work?

Along with the previously recognized Handong's own educative philosophy, the school of GE & ICT's progressive model for the new generation has been recognized and selected by the PRIME business, having nationally funded by the Ministry of Education. In addition, a more concentrative environment will be provided at the GE & ICT headquarters, which is soon to be brought up.



- ▶ Ebenezer dormitory will be renovated and made headquarters for the school of GE & ICT. Scheduled for completion (of construction) of March of 2017.
- ▶ Various experiemental / practice materials soon to be acquired (big data, VR/AR, future transportation method, healthcare, product development equipment, User-experience measurement equipment, various softwares, ect)
- ▶ Advanced lecture halls, department office, professor research labs, experimentation practicum lab, seminar room, open lab soon to be built

✔ Scholarship

	1차년도 2016	2차년도 2017
Academic Scholarship	0	0
Hope Scholarship	0	0
Core Ability Scholarship	0	0
Distinguished Student Invitation Scholarship	X	0
Academic Improvement Scholarship	X	0

✔ Teacher Assistant (TA)

- | Prioritized TA selection for courses within the department
- | Other Department(GLS basic computer courses) prioritized TA selection process

✔ Diverse extracurriculars

- | Internal and external campus management and support | statistics camp, mathematics camp, programming camp, entrepreneur camp, career camp, etc.
- | Competency improvement event management | notable speaker invited for seminar, special lecture.
- | Research management and activity support | Research management and activity support, treatise writing and presentation support
- | Industrial-related activities support | related industries field visit, internship, free semester, industrial liaison, project support, entrepreneur support
- | Learning via experience and related activities support | short period research study and study abroad support, global entrepreneur field experience
- | Various student activities support | student society, campus academic society, contest and competition related support, related exhibition, exposition, startup demo-day participation support

FACULTY



ABRAHAM LEE

IE Business School,
Business Adm., Ph.D

Main lectures:

Entrepreneurial research I.,
Global management and venture development



DASEONG HAN

KAIST,
Computer Science, Ph.D

Main lectures:

Visual Media
VR / AR



CHANGBEOM CHOI

KAIST,
Electronic Engineering, Ph.D

Main lectures:

ICT modeling and analysis
ICT simulation and application

Who are the professors affiliated with the school of ICT?



HYEBONG CHOI

KAIST,
Computer Science, Ph.D

Main lectures:

Introduction to data science, data management
and application, big data analysis



SUNGYONG SHIN

Univ. of Michigan
Industrial Engineering, Ph.D

Main lectures:

Programming I, II



GIHONG GEORGE KIM

Illinois Inst. of Technology,
Electronic Engineering, Ph.D

Main lectures:

Entrepreneurial law,
introduction to global entrepreneurship

MEMBERS



SANGHWAN KIM

NC State Univ.,
Industrial engineering, Ph.D

Main lectures:

human and computer interrelations (HCI),
Understanding Emotion & Cognition



SIMON KANG

前 LG electronics CEO

Main lectures:

Problem solving methodology,
Go to market



JOHN CHOI

Potchefstroom Univ.,
Philosophy, Ph.D

Main lectures:

Problems of modern society and starting up business
Business, culture, and spirituality

The best, recognized for expertise and skill in each of his or her fields are gathered from in and out of country, providing a balanced teaching of theory and application.



HAGJU KIM

Univ. of Edinburgh,
MBA

Main lectures:

Stimulated investment Fintech content development,
startup financial accounting and value evaluation



JAEHYO KIM

Tokyo Institute of Tech.,
Computational Intelligence, Ph.D

Main lectures:

Product Design & Development



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