Triumph over the Challenges of Higher Education During COVID-19: Early Lessons from Korea

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I. Development and Limitations of Science

- Spacecraft sent by mankind (60 thousand kilometers per hour) out of the solar system in 2018.

- COVID-19 Response:
  - Wearing a mask,
  - washing hands, and keeping distance
1. **Global monitoring of school closures caused by COVID-19** (UNESCO)
II. International Trend: H.E. change after COVID-19

1. Diversifying the supply chain by reducing the dependency on China
2. A wider role for online learning
3. Embracing online recruitment methods
4. Rise of teleconferencing
5. More will study closer to home
How is COVID-19 Shaping the Higher Education Sector?

- **QS Research**: The Impact of the Coronavirus on Global Higher Education
  - Switching some of their scheduled courses online (50%)
  - Delaying the start dates for some of their courses until the following semester (19%)
  - Changing application deadlines for their next intake (17%)
  - Changing offer acceptance deadlines for their next intake (16%)
  - Deferring some of their 2020 offers to 2021 (13%)
  - Starting to conduct their own English language tests (8%)

- **Simon Emmet (CEO of IDP Connect)**
  - A significant number of students are exploring study options in Malaysia, South Korea and Singapore
III. Impact of COVID-19 to Korean H.E.

Empty lecture room

Distance education and Edu-tech
# Open school -online

<table>
<thead>
<tr>
<th>Grade</th>
<th>4.9~10</th>
<th>4.13~15</th>
<th>4.16~17</th>
<th>4.20~</th>
<th>5.13</th>
<th>5.20</th>
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<td>3rd grade</td>
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### Universities
- **April~May delay**: Choongnam, Gyeongsang, Kwangwoon(April.) Korea, Yonsei and some more (May)
- **indefinite postpone**: SNU, KAIST, Hanyang and others
- **online**: Ehwa, Soogsil, Konkuk and others
School open by online

**elementary**

- 한국교육학술정보원(KERIS) E-학습터
- 디지털교과서, 위두랑

**Middle and High**

- 한국교육방송공사(EBS) 온라인클래스
- EBS 방송 교육채널

**Universities**

- university can decide

**Distance Ed. Center**

- KERIS
- http://www.koer.kr
(1) **real-time interactive (50%)**
- Zoom (68%)
- Google Hangouts, MS teams, CISCO Webex (32%)

* KACTL survey (March 2020, 60 univ.)

(2) **LMS video (30%)**
- Camtasia, Bandicam, Gommix, Doczoom
- PPT + voice
- Youtube upload

(3) **Provide materials + homework (20%)**
- Email, SNS, LMS
H.E. Students’ Univ. Life Satisfaction

- Normal (39.2%), Very Satisfied (7.2%), Satisfied (24.1%), Unsatisfied (22.9%) and Very Unsatisfied (6.5%)
- Reasons for satisfaction: ‘saves time to go back and forth to school’ (60.4%), ‘minimize contact with people’ (59%)
- Reasons for dissatisfaction: ‘low quality lectures conducted by online’ (81.4%)
Findings and Gains form Forced Online Education Experiment

- Blurred boundaries between offline and online Higher Educational Institutions
- Experience that only offline educational institutions can provide
- Increased confidence to meet the diverse needs of higher education from nontraditional students
- The role of H.E, the relationship between H.E and society
- Weak points of each university
Findings and Gains from Forced Online Education Experiment

- Improve the adaptability of professors and students to online education
- Improve skills on online device usage
- Forced open lecture
- Increased interest in on and offline teaching methods, classroom management
Online exam control tower – Sejong Univ.

출처: https://blog.naver.com/daejong68/222016755914
▲세종대 총무관에서 진행된 대면 시험에 앞서 담당 교수가 학생들에게 시험에 대해 설명하고 있다.
IV. Future of H.E. Post COVID-19

1. Crisis OF H.E. (U.S.A) (Bloomberg Opinion)

- Just as COVID-19 is fatal to the vulnerable patient, it is also fatal to the vulnerable university.

- “During the Civil War, the Great Depression and other periods of collective trauma. Some of these institutions disappeared altogether; some private schools became branches of expanding state systems of public education; others were absorbed by rival institutions.”

- This is likely to happen again. Existing trends — declining enrollments, unsustainable debt levels, the growth of online courses — acquired a kind of hurricane force, fundamentally reshaping the landscape of higher education.
MacMurray College survived the Civil War, the Great Depression and two world wars, but not the coronavirus pandemic.
V. New Model of H.E.I: Smarlogue (smart+ analogue) School and Education

- Smarlogue University
  - Offline Univ. with Professors + Online System

- Smarlogue Education
  - Teaching and learning – Blended learning
  - Offline + Online Classroom (lecture room)
  - Provide various kind of offline experiences
    - Seminar, lab, club activities, dorm program, sports, social and cultural exp.
Preparation to succeed in an era of global uncertainty requires developing your intellect, building your character, and learning practical capabilities.

Your undergraduate education needs to be as multidimensional as you are. It should challenge you academically, expose you to a diversity of global cultures, and enable you to develop the broad knowledge and
A possible framework for a COVID-19 integrated nerve center demonstrates areas of responsibility.

COVID-19 nerve-center actions

1. Students
   - Health and safety
   - Credit and graduation
   - Support services
   - Outcomes, including retention, completion, and placement

2. Teaching and research
   - Faculty training and engagement
   - Online-course design
   - Research policies
   - Local research impact and partnerships

3. Faculty and staff
   - Health and safety
   - Workforce policies
   - Work-from-home guidelines
   - Workplace norms
   - Internal communications

4. Campus operations
   - Incident management
   - Technology (including work-from-home and online delivery)
   - Business and campus access
   - Auxiliary operations
   - Sports

5. Finance and legal
   - Financial stress-testing
   - Multiyear scenario planning
   - FEMA\(^1\) accounting and reporting
   - Cash management
   - Endowment
   - Advancement

6. External communications
   - Government relations
   - External relations, including with local community
   - Alumni

\(^1\)Federal Emergency Management Agency.
Graduation ceremony using avatar
- Business Breakthrough University, Tokyo Japan
Support for vulnerable students

- Need to support living expenses for poor students

- The university and society should be concerned about the financial and psychological panic of students
구부러진 길이 좋다
들꽃 피고
별도 만이가는
구부러진 길 같은 사람이 좋다

이준관 | 구부러진 길

Thank You