Adoption of ICT in Philippine Educational Institutions

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OUTLINE

PRESENT SITUATION

CHALLENGES

INSIGHTS FROM UIC

POSSIBLE STRATEGIES

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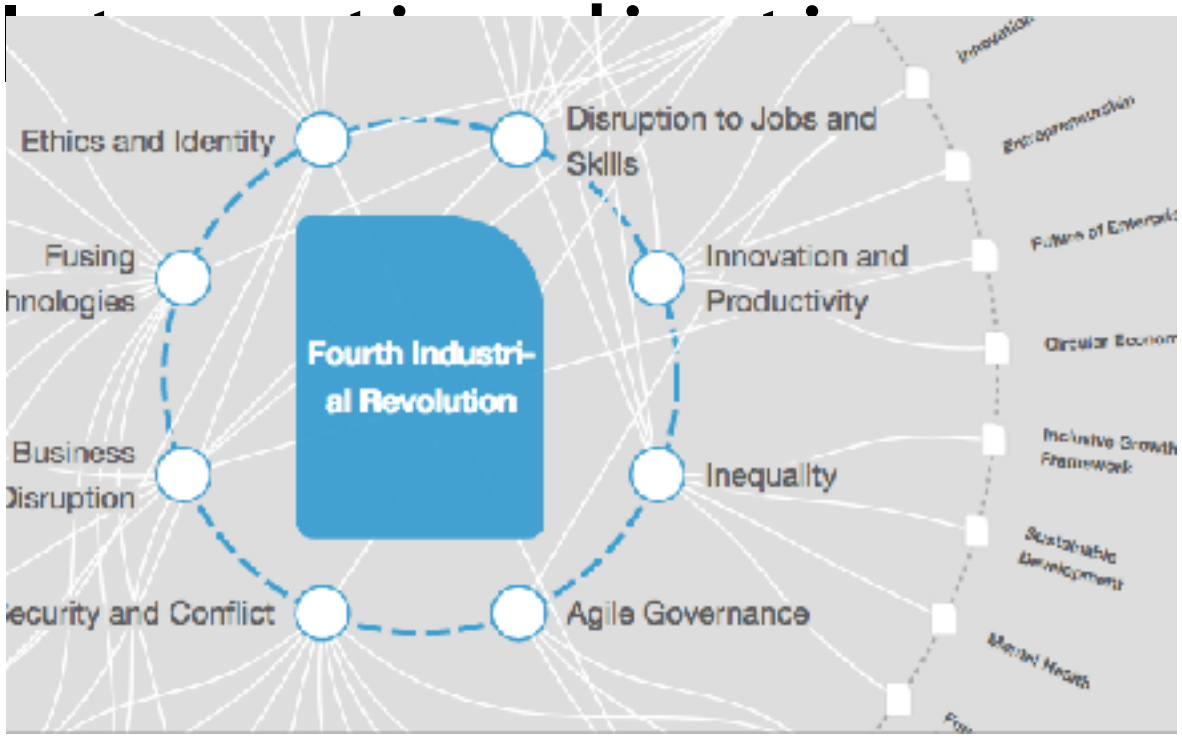
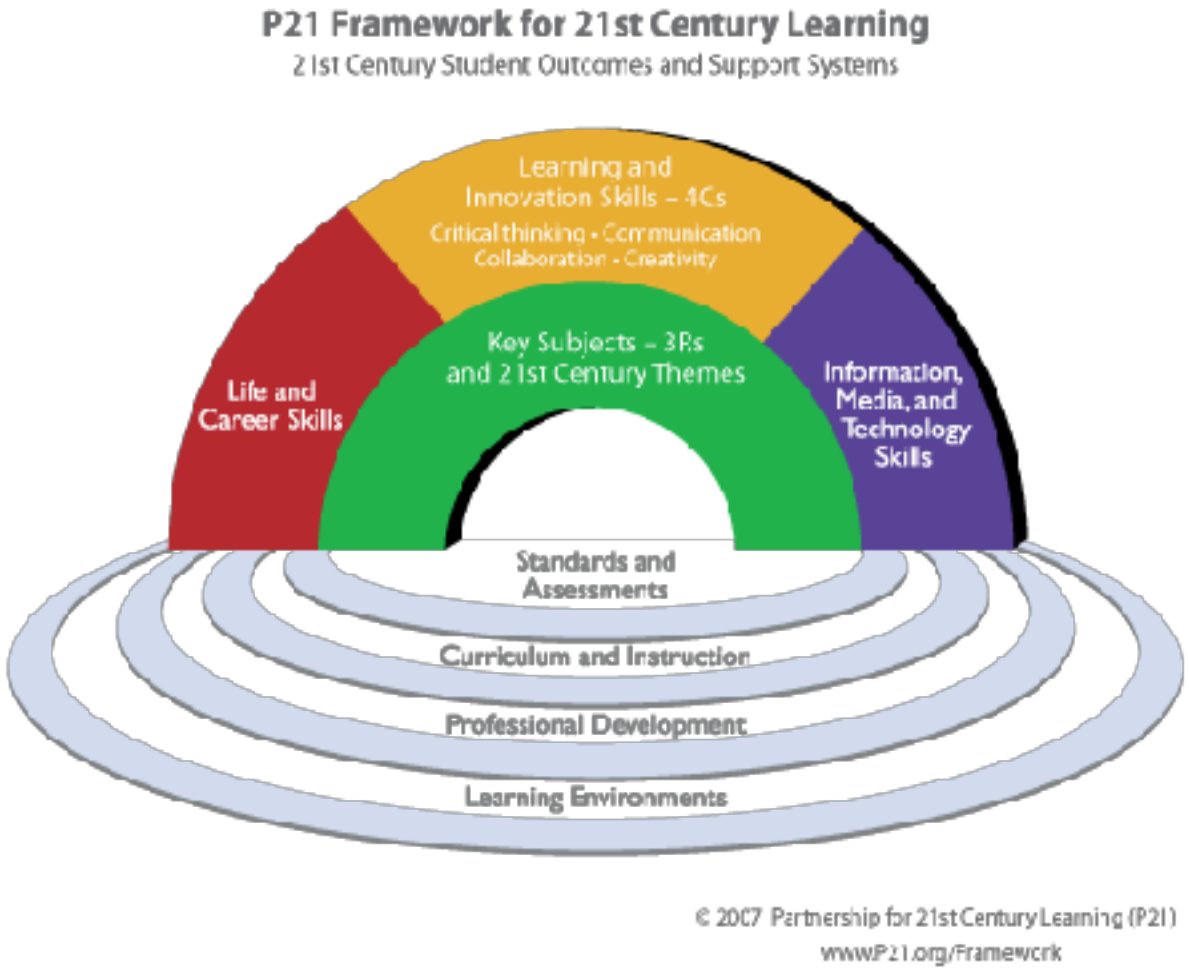
KEY FACTORS DRIVING EDUCATION TODAY

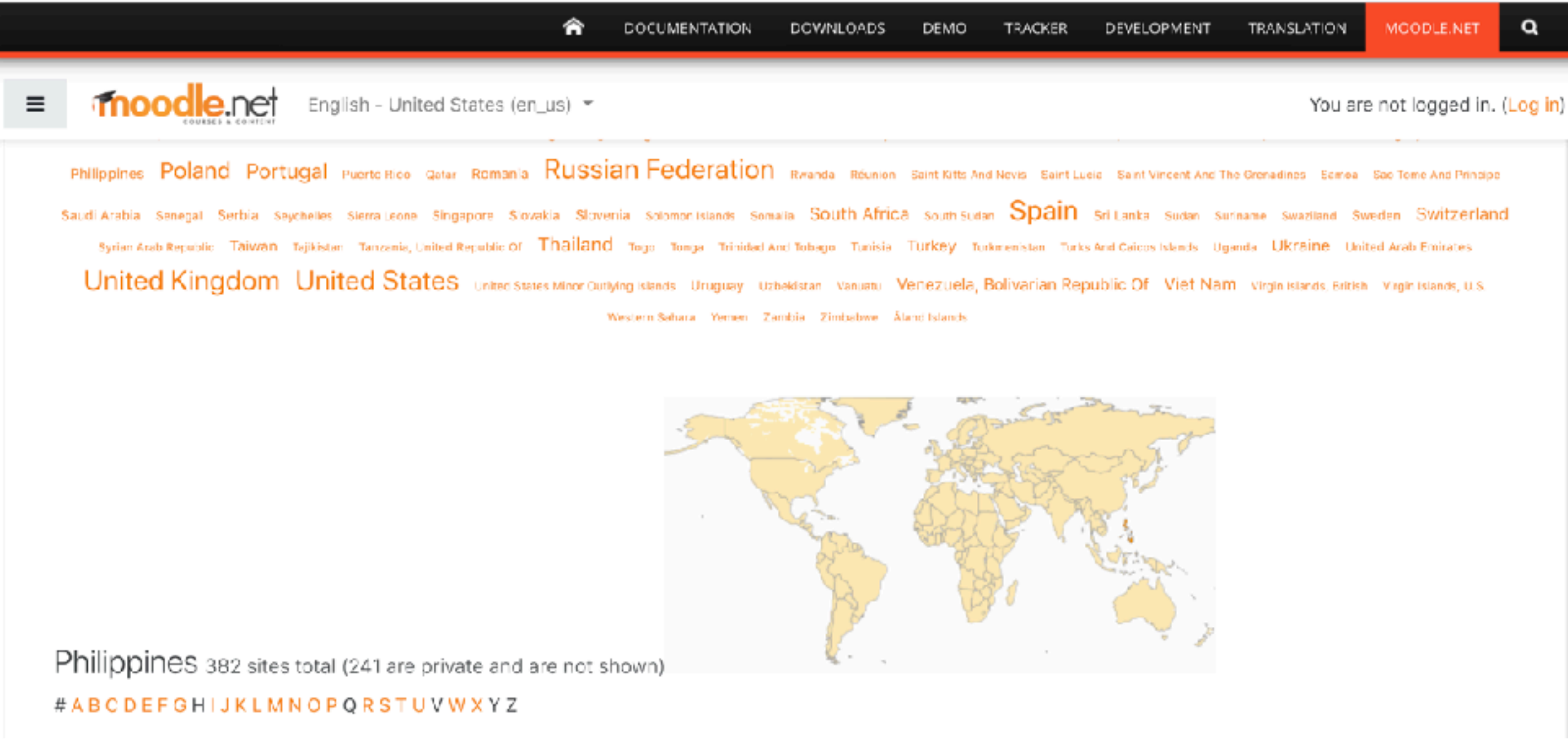
- 21st Century Learning
- 4th Industrial Revolution
- ASEAN/





Sources: http://www.pna.gov.ph/articles/1018975

http://www.sei.dost.gov.ph/index.php/news-archive/24-sei-to-boost-ict-use-in-science-education



Source: https://moodle.net/local/hub/top/sites/?lang=en_us

GCC 2018

Grand Challenges in Computing

Special lectures from prominent researchers and educators in the information and communications technology.

1. Advance Public Health Informatics
2. Advance Health Informatics
3. Advance Personalized Learning
4. Advance Secure Cyberspace
5. Engineer the Tools of Scientific Discovery
6. Reverse Engineer the Brain
7. Enhance Human-Machine Interaction
8. Advance the processing of Natural Languages
9. Finding Knowledge from Very Limited Data
10. Store and Manage the Memory of the Human Race
11. Ubiquitous Computing

COMPUTING SOCIETY OF THE PHILIPPINES
SPECIAL INTEREST GROUP ON INFORMATION AND COMPUTING EDUCATION

1st Information and Computing Education Conference

October 4-6, 2018
Cebu Institute of Technology-University (CITU), Cebu City, Philippines

Research Conference

- Gamification
- Online Learning
- Mobile Applications
- Natural Language Processing
- Health Information Systems
- Artificial Neural Networks
- Disaster Risk Reduction Applications

Home »Program A/B

Philippines

Sort by: University | Country/Region | City | Exchange Duration | Language

Program A/B

The following programs were for Spring 2019 Student Exchange. The application for these programs was ended. To see current programs, please click this link.

Ateneo de Manila University
Quezon City, Philippines
- Exchange Duration: Semester
- Language: a. TOEFL (Paper based test) minimum score: 550

b. TOEFL (Internet Based Test) minimum score: 79
c. IELTS minimum score: 6.0

Central Mindanao University
Philippines
- Exchange Duration: 1 semester
- Language: Certification of English as Medium of Instruction

Applicants must be able to communicate in English and must be willing to learn Filipino and local languages

De La Salle University
Manila, Philippines
- Exchange Duration: One Trimester (equivalent to 14 weeks) to One Academic Year
- Language: Any of the following: TOEFL score of 550 pbt; IELTS band of 6 or better; Certificate of English Proficiency or English as Medium of Instruction

Ifugao State University
Ifugao, Philippines
- Exchange Duration: One (1) semester
- Language: Applicants must be able to communicate in English and must be willing to learn Filipino and local languages.

Lyceum Northwestern University
Dagupan City, Philippines
- Exchange Duration: One - Two Semesters
- Language: English Language Proficiency

Mapua University
Manila, Philippines
- Exchange Duration: 2 Terms (6 months)
- Language: a. IELTS – overall band score of 6.0, no single test score below 5.5

b. TOEFL
i. Internet-based test score of at least 75,
ii. Paper and pencil based test score of at least 500,
iii. Computer-based test score of at least 173

Miriam College
Quezon City, Philippines
- Exchange Duration: minimum 1 semester, maximum 2 semesters
- Language: TOEFL score of 550 pbt; IELTS band of 6 or better; Certificate of English Proficiency or English as Medium of Instruction

TARLAC AGRICULTURAL UNIVERSITY
CAMILING, TARLAC, PHILIPPINES
- Exchange Duration: ONE SEMESTER
- Language: CERTIFICATE OF LANGUAGE PROFICIENCY FROM THE UNIVERSITY

The University of Asia and the Pacific (UA&P)
Pasig City, Philippines
- Exchange Duration: 1 to 2 semesters
- Language: English Language Proficiency tests accepted: TOEFL (ibT: 62 and pbt: 500) and IELTS (overall score: 6.0)

University of Mindanao
Davao City, Philippines
- Exchange Duration: 5 months
- Language: Language Proficiency Certification from College or International Affairs Office or its equivalent

University of The Immaculate Concepcion
DAVAO CITY, PHILIPPINES
- Exchange Duration: June to October 2019
- Language: Language Proficiency Certification from school or International Affairs Office or its equivalent

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Contact us

Contact

UMAP

OUTLINE

PRESENT SITUATION

CHALLENGES

INSIGHTS FROM UIC

POSSIBLE STRATEGIES

CHALLENGES

- SCHOOL ADMINISTRATION
  - POLICIES
  - HUMAN RESOURCES
  - INFRASTRUCTURE
  - BUDGET
- GOVERNMENT SUPPORT
  - GOVERNMENT PROGRAMS
- PARTNERSHIPS
  - PUBLIC + PRIVATE SECTOR
  - INDUSTRY + ACADEME
- ACADEMIC INSTRUCTION
  - LACK OF DATA FOR RESEARCH

CHALLENGES – School Administration

- Policies created only for compliance but without concrete technical understanding for implementation.
  - Many teachers cannot even distinguish email systems from school information systems.
- Ultra-multitasking of ICT-literate individuals (e.g. teacher = technical staff)
  - Formatting computers vs. computer networking vs. programming vs. graphics design, etc.

CHALLENGES – School Administration

- Application Servers + Database Servers + Internet Connectivity
  - To Cloud or not to Cloud?
- Expensive, Expensive, Expensive! 5-year depreciation for computers, 10-years for servers and networking equipment.

CHALLENGES – Government Support Programs

- Many schools are not aware about funding from the Government.
  - E.g. Schools trying to secure budget from CHED because they want to invest in expensive ICT equipment, not knowing that only certain types of capital expenditures are allowed and most are operational expenses.
  - Many are not proposing to DOST which allows capital expenditures.
- Delays in disbursement of funds
- Consistency of ICT Programs for Schools

CHALLENGES - Partnerships

- Never-ending ”war” between Industry and Academe
- Vendors not truly understanding the needs of the Academic Institution
  - E.g. Why don’t the Internet service providers bundle the web filtering feature in their Internet service? It will save the schools from investing on another UTM device just to block porn and unethical websites. It will also help schools that have scarcity ICT human resources.
- Interlinked challenges: Infrastructure vs. International Partnership

CHALLENGES – Academic Instruction

- Lack of Data for Research – Other countries have complete datasets for research (BIG DATA)
- Personal budget of educators – not enough allocation for technology. P50.00 for 1GB Internet Connectivity is expensive for educators and students. Goodbye Flipped Classroom!

CHALLENGES – Academic Instruction

- Signal Issues – Educators and students sometimes need to invest in more than one provider (Smart vs. Globe, etc.) because signals apparently are territorial.
- Many teachers and administrators are unfortunately not equipped with 21st century skills – Difficulty in using office applications, the term “IT” for many people is the same. Computer Technician = Software Engineer = Cellphone Repair Technician = Network Engineer = Computer Scientist = BPM agent = etc.

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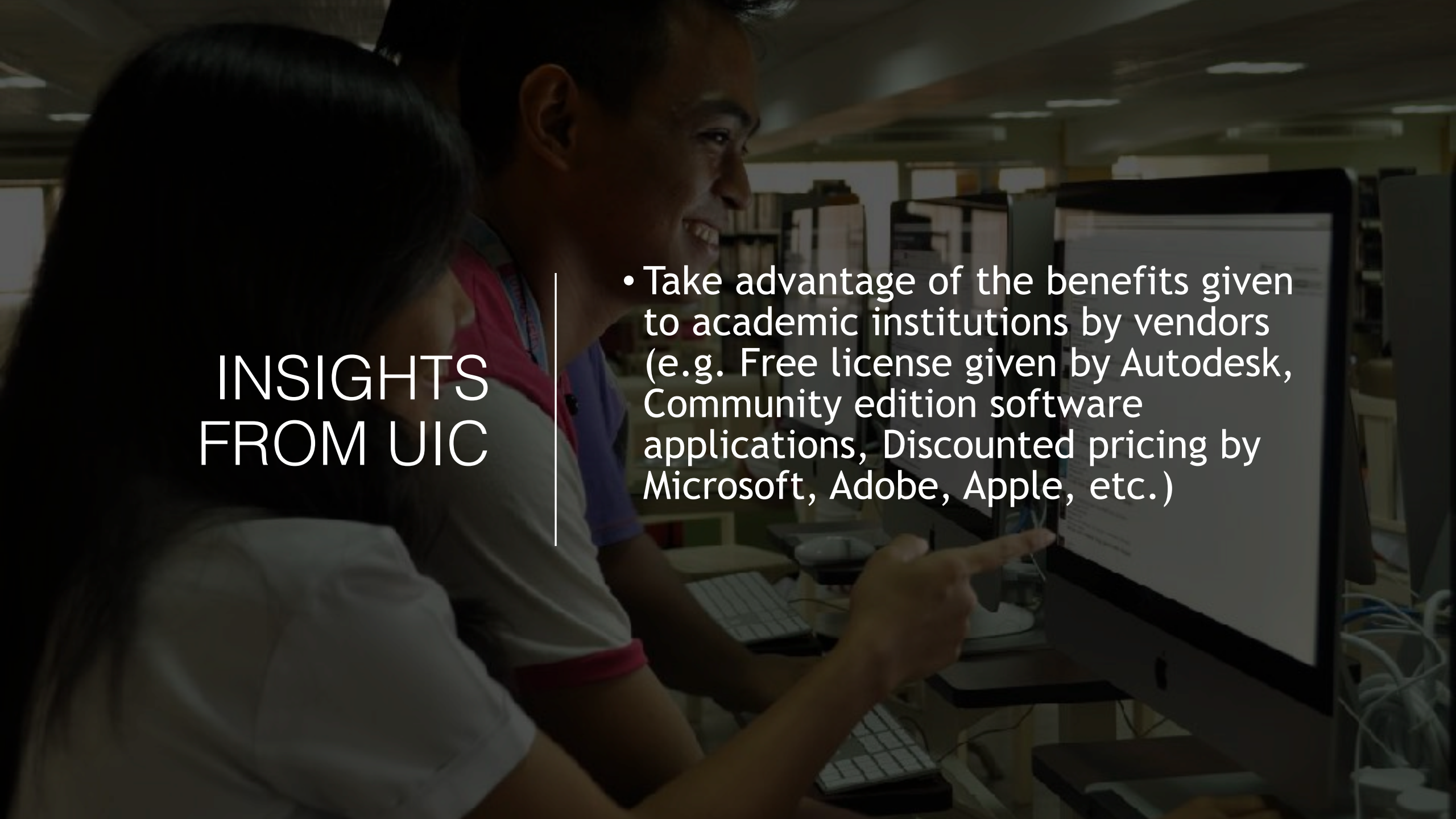
INSIGHTS FROM UIC

- Administration Support is Crucial – Administrators should not only appreciate technology but should also be literate about it.
- (We are lucky to have a president is tech-savy)


Launches the Offering of
ROBOTICS
in all
GRADE LEVELS
GRADE 1 - 12

INSIGHTS FROM UIC

- Have an Institutional Information Systems Strategic Plan to guide the school in its ICT implementation



INSIGHTS FROM UIC

- Take advantage of the benefits given to academic institutions by vendors (e.g. Free license given by Autodesk, Community edition software applications, Discounted pricing by Microsoft, Adobe, Apple, etc.)

INSIGHTS FROM UIC

- Have ICT Human Resources who don’t only understand technology, but also know how to explain the school’s ICT needs in layman’s term.

INSIGHTS FROM UIC

- PATIENCE is a VIRTUE!

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SUGGESTIONS

- Stop planning and start doing.
- Stop demanding and start giving.

SUGGESTIONS

- Just maybe:
  - Prepaid promo for faculty and students with unmetered bandwidth for P50.00, with no capping, but with limited access to Internet resources (ex. No pornsites, no online games, safe browsing enabled.)

Thank you!