

Disruptive Innovation in Higher Education in Daffodil International University: Users' perspectives



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Disruptive Innovation

Process by which a product or service takes root initially in simple applications at the bottom of a market and then relentlessly moves up market, eventually displacing established competitors.

Disruptive Innovation (Education)



- A disruptive innovation brings to market a product or service that isn't as good as the best traditional offerings, but is less expensive and easier to use.
- Online learning is a disruptive technology that is making colleges and universities reconsider their higher education models.
- Digital technologies will transform the way education is delivered and accessed, and the way 'value' is created by education providers

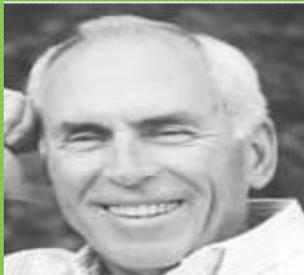
Quotes on Disruptive Innovation in Higher Education



“In 15 years from now half of US universities may be in bankruptcy.”
- Clayton Christensen, 2013



“Thirty years from now the big university campuses will be relics.”
- Peter Drucker, 1997



“We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run.”
- Amara’s Law (Roy Amara)

Advantages of Disruptive Education

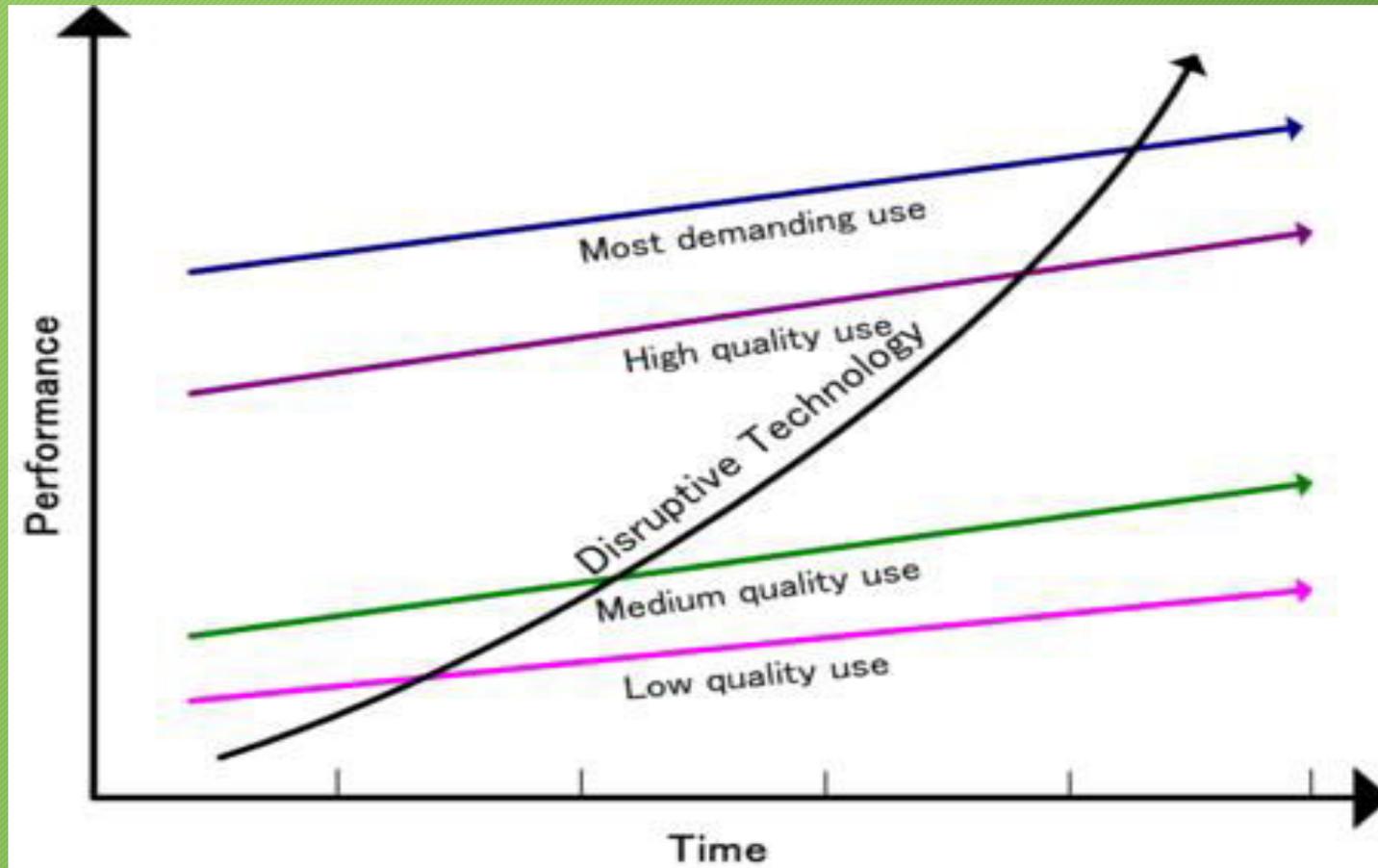


- Global mobility of students and providers, resulting in more partnerships
- Integration with industry
- Digital technologies will transform the way education is delivered and accessed, and the way 'value' is created by education providers
- Democratization of knowledge and access
- Contestability of markets and funding
- It can help the universities expand its market through innovation with new and existing products or services
- Less expensive and strengths in demonstrating student learning outcomes

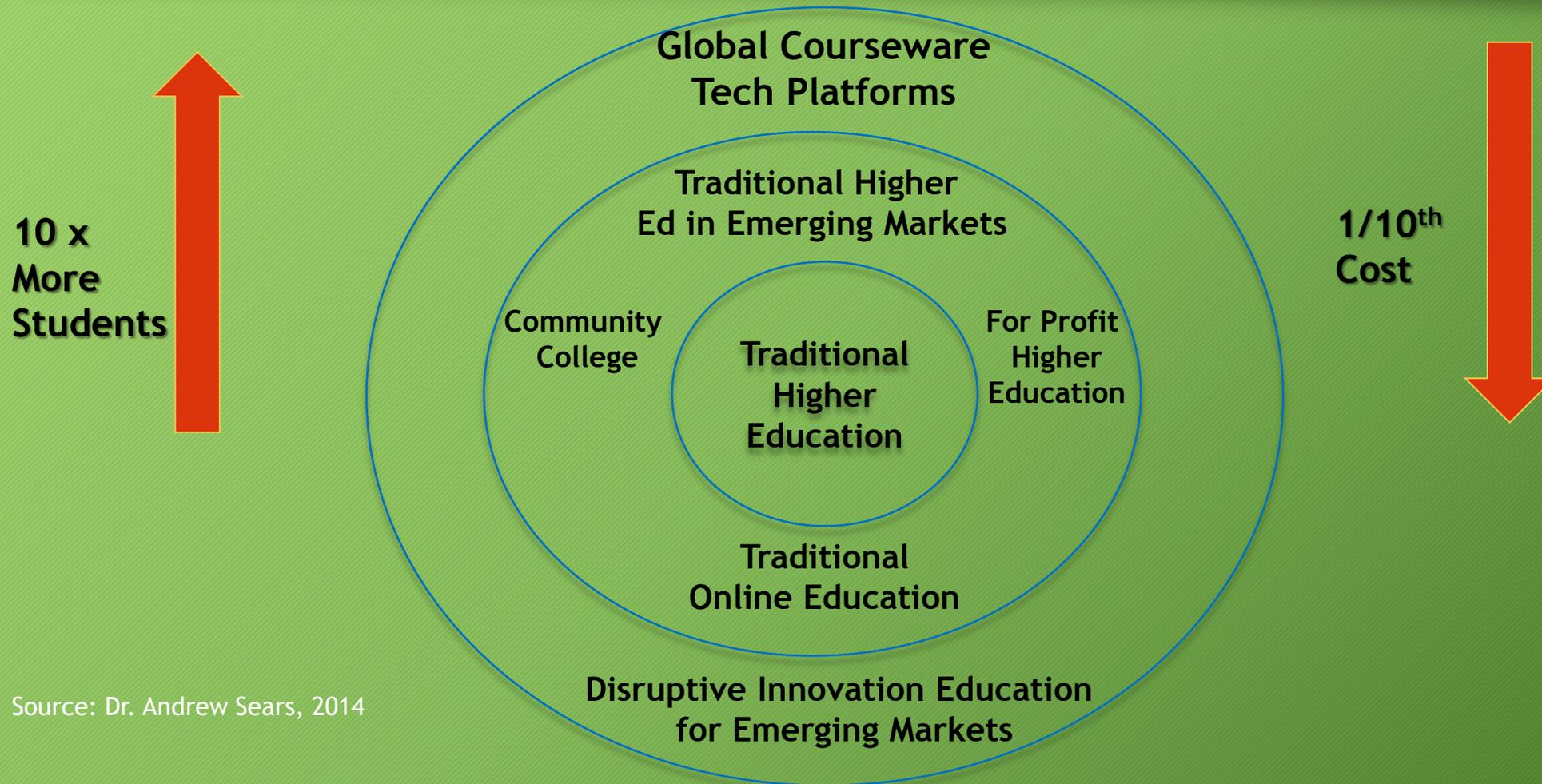
Advantages, Cont...

- An increasing number of students are opting for online degree programs.
- The convenience of living at home, setting one's own schedule, and potentially retaining a job makes the online option attractive.
- Online learning is a disruptive innovation that allows these students, who might not otherwise be able to attend college, to earn a degree. It tends to enhance the percentage of students enrollment of educational institutions.

Disruptive Innovation Theory



Disruptive Innovation in Higher Education



Source: Dr. Andrew Sears, 2014

The Disruptive Potential of IT

- Disruptive technologies evolve in a completely different way
- Disruptive innovation may proceed in two stages: computer based learning (CBL) and deployment of student centric technology
- CBL method will largely mirror the dominant type of intelligence or learning style in each subject
- Under student centric technology, software can help students learn each subject in a manner that is consistent with their intelligence and learning style
- Today personal tutors are available only to the rich. Student centric technology will provide “virtual” tutors to many more students who find themselves left out today. Such virtual tutors will replace personal tutors and democratize customized learning opportunities.
- IT will push teachers into more value adding roles. This will obviously call for teachers not only to be more technology savvy but also empathetic towards the individual learning styles of students.

Students Increasing Trend

100 Million Students
in 2000



263 Million Students
in 2025

137 Million New Students Per Year in Developing Countries by 2025

Daffodil International University



Daffodil International University



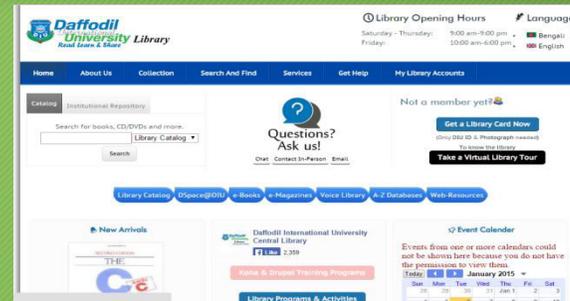
For the first time ever in Bangladesh, Daffodil International University has taken a step further to develop both Industrial and entrepreneurial skills among its students.



Infrastructure



IT Infrastructure



DIU has established a fully digitalized infrastructure including Data Center, Wi-Fi Computer labs and lounge, Digital Library, Campus wide LAN connectivity, ERP System, Web mail for teachers, students and administrative employees, Online Registration, Student portal, Online feedback and query system, Campus wide CCTV, Campus Radio, Campus TV, Job Track System, effective and well ranked website etc.



DIU Initiatives towards Disruptive Education



- Free Laptop Distribution to Students to equip them with innovative ways of learning
- Implemented Learning Feedback System
- Google Classroom (DIU has top ranking), 99% Faculties use this platform
- DIU has some authorized certificate holder regarding Google Classroom
- Implemented Moodle
- Using Global Access Asia Platform
- Flipped Class Room
- 2+2 Programs
- E-learning
- Blended mode of education
- The use of Whatsapp, Viber, Google Hangout, Twitter, Line, Google Chat etc. should be included in the course curricula

ICT-Based Teaching & Learning



Forum

DIU has enchanted its teaching and learning environment with a lot of latest and effective technologies like: Rich Forum & Blog, Learning Feedback System, Moodle, Google Classroom etc.



Moodle E-Learning



Google Classroom

Recommendations

- The creative use of IT should be ensured
- The affordability, accessibility, capability and responsiveness of a teaching method should be considered where disruptive innovation is best suited
- We should move towards a modular education system and teach students in customized ways
- Disruptive innovation can be great opportunity for higher education

Conclusion

The disruptions happening throughout education more generally afford us an opportunity to revisit how we cultivate children's learning and futures—and hopefully allow us to do it in a way that is even better, given what we now know today. That's not preordained either, of course, but we have the opportunity. It's now all of our turn to shape it appropriately.