

# Blackboard @ NTU

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Presentation for  
Cerbibo  
9 Nov 2011



## Quick Reference Guide

Version 6 • August 2009

# edveNTUre

Date of Birth: 17 May 2000

- depicts learning as an adventure to explore new frontiers of knowledge and that our NTU students are adventurous, creative and techno-savvy

e: electronic, everything!

ed: education

edveNTUre: our university's name "NTU" is embedded

# edveNTUre: eLearning Eco-System

http://edventure.ntu.edu.sg

Blackboard Guest Home Help Login

NANYANG TECHNOLOGICAL UNIVERSITY

edveNTUre Learning Anytime Anywhere

Home Resources Webmail HelpDesk momeNTUm

**Login Here**

Change Text Size High Contrast Setting

Please enter your credentials and click the Login button below.

Username: Password:

Forgot Your Password? Login

**Choose a Language Pack**

Available languages:  
English (United States)  
Français (France)  
Português (Portugal)  
中文 (中国)  
日本語 (日本)  
繁體中文 (台灣)

**eLearning Week**

- Overview
- Schedule
- Staff Quick Guide

**Poll**

What is your current smartphone ?  
 iPhone  
 Android

Home Values & honour code Policy For faculty Module **Quiz** Resources

**ACADEMIC INTEGRITY**  
Rising up to a 21st century challenge

**Attention all freshmen!**  
Have you done the Academic Integrity Quiz yet?  
Deadline: 26th September 2011  
[Enter Now >](#)

Do you copy and paste? Find out how to do correct paraphrasing and proper references.

<< previous next >>

**Updates**  
Unable to view PDF in Safari?  
Get Schubert|it !

**Lecture Recording**  
Lectures are recorded.  
Re-experience it...

**edveNTUre Tutorials**

**eLearning Tools**  
Various tools used in NTU to enhance Learning & Teaching

**Faculty Sharing**  
Sharing from faculty members on how they use technology to enhance learning and teaching

**momeNTUm**  
Blog

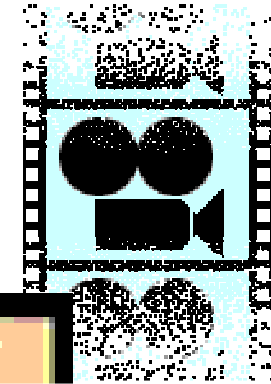


Blackboard



# Leaps of growth ...

- Jul 00 (Phase I: Mass buy-in, Efficient Learning)
  - 870 (51%) courses on-line, 20,000 users
  - 30,000 – 80,000 page views daily
  - Saturation levels for adoption number of courses, instructors and students
  - Critical mass buy-in and adoption
- Jul 02 (Phase II: Humanizing eLearning)
  - 1,349 (80%) courses on-line, 22,000 users
  - 100,000 – 300,000 page views daily
  - Change of content type - **Content+**
- Jul 04 (Phase III: Effective Learning)
  - 2,900 (>90%) courses on-line, 24,000 users
  - 300,000 to 600,000 page views daily
  - Content management system and re-use of content
- Jul 06 (Phase IV: eLearning 2.0)
  - 3.5M page-views/week
  - **Engaged and interactive learning**
  - Collaborative learning
  - Learning by discovery: **eUreka Project Work**



eUreka



# Leaps of growth ...

**2 billion page-views since inception!**  
**2,000,000,000,000**

- Jul 09 (Phase VI: **Learning Continuity**)
  - **eLearning Week** to support Learning Continuity in the event of campus closure
  - **Mass notification**
  - Establishment of CELT and Div of Pedagogical Practice



- Jul 11 (Phase VII: **Learning is Everywhere**)
  - **Mobile learning**
  - **Sustainable participatory & collaborative learning**
  - **Learning spaces**
  - **Student wellness**



Learning Anywhere...  
**ELEARNING WEEK**  
 SCHOOL OF MATERIALS SCIENCE & ENGINEERING

WHO? All undergraduates enrolled in full-time studies.  
 WHAT? To promote self-paced and self-directed learning, NTU schools will be conducting eLearning weeks to enable students to experience fully online learning.  
 WHERE? Online at <http://elearning.nyu.edu.sg>  
 Learn more about NTU eLearning weeks at <http://elearning.nyu.edu.sg>

27 to 31 OCTOBER 2009

Learning Anywhere...  
**ELEARNING WEEK**  
 SCHOOL OF HUMANITIES & SOCIAL SCIENCES

WHO? All undergraduates enrolled in full-time studies.  
 WHAT? To promote self-paced and self-directed learning, NTU schools will be conducting eLearning weeks to enable students to experience fully online learning.  
 WHERE? Online at <http://elearning.nyu.edu.sg>  
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23 to 27 OCTOBER 2009

Learning Anywhere...  
**ELEARNING WEEK**  
 NANYANG BUSINESS SCHOOL

WHO? All undergraduates enrolled in full-time studies.  
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2 to 6 OCTOBER 2009

Learning Anywhere...  
**ELEARNING WEEK**  
 SCHOOL OF ART, DESIGN & MEDIA

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9 to 13 OCTOBER 2009

Learning Anywhere...  
**ELEARNING WEEK**  
 COLLEGE OF ENGINEERING

WHO? All undergraduates enrolled in full-time studies.  
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30 OCT to 3 NOV 2009

Learning Anywhere...  
**ELEARNING WEEK**  
 SCHOOL OF ELECTRICAL & ELECTRONIC ENGINEERING

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 WHAT? To promote self-paced and self-directed learning, NTU schools will be conducting eLearning weeks to enable students to experience fully online learning.  
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16 to 20 OCTOBER 2009

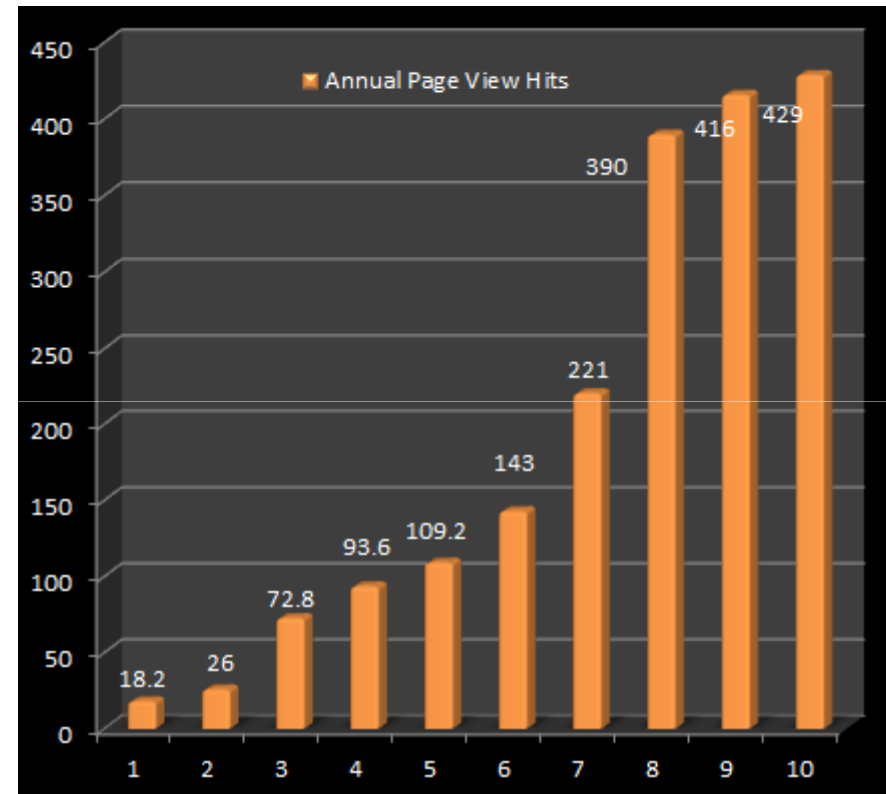
# System Usage: No. of Page Views (or mouse clicks)



Date	Number of page view per week
July 2000	250,000
July 2001	500,000
July 2002	1 million
July 2003	2.1 million
July 2004	2.5 million
July 2005	3 million
July 2006	3.5 million
July 2007	6 million
July 2008	9 million
July 2009	9.35 million
Aug 2010*	10.1 million

\* Semester 1 started on 30 Aug 10 owing to Youth Olympics Games

**July 2011**                      **12 million**



**2 billion cumulative page view hits since July 2000**

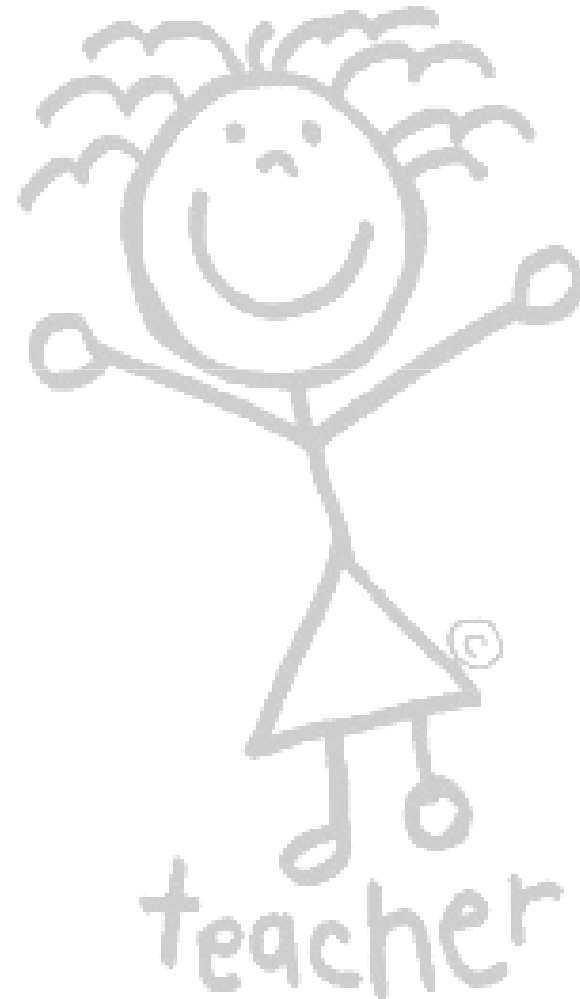
**July 2011 – June 2012**  
**Estimated 0.5B page views per year**



Source: <http://edorigami.edublogs.org/2011/10/29/digital-learning/>

# T@chnology

- As enablement – supportive
- As empowerment – opportunities to explore and discover
- As facilitative – collaborate and cooperative







Source: <http://blogs.ukoln.ac.uk/cultural-heritage/2010/06/28/archives-2-0/>



AWESOME  
**GREAT**

ESSENTIAL  
**SATISFIED**  
CONNECTED  
HANDY  
HELPFUL

WONDERFUL  
FRUSTRATING  
RELIABLE  
FANTASTIC  
COMFORTABLE  
INDISPENSABLE  
FUN  
IMPORTANT  
ALRIGHT  
ADJUSTING  
BETTER  
CHEAP  
POSITIVE  
EXPERIENCE  
**CONVENIENT**  
VITAL

FRUSTRATED  
CONTENT  
FATE  
**HAPPY**  
LOVE  
NECESSARY  
BAD  
COMPLICATED  
CONTROL  
EMERGENCY  
WORKS  
FINE  
NEEDED  
FUNCTIONAL  
LIKE  
FAIR  
COOL  
LIFE  
SUCKS  
OFF-GAS

TERRIFIC  
IRRITATING  
PAIN  
ANNOYING  
**EXCELLENT**

**USEFUL**

NECESSITY  
ADEQUATE  
AMAZING  
EXPENSIVE  
ATTACHED

# Participative Learning

- Sage on the stage
- Transfer
- Knowledgeable students
- Teacher as Communicator
- Guide on the side & walking wanderer
- Transform
- Knowledge-able students
- New kind of learner?

# New kinds of learners are emerging in the digital environment

- More self directed, less top-down
- Better arrayed to capture new information inputs
- More reliant on feedback and response
- More inclined to collaboration
- More open to cross discipline insights and creating their own “tagged” taxonomies
- More oriented towards people being their own individual nodes of production



Pew Internet & American Life Project  
a project of the  
PewResearchCenter

**2011 EDUCAUSE:**  
**ANNUAL CONFERENCE**  
THE BEST THINKING IN HIGHER ED IT

# Learning is Everywhere: Social Learning



Participative

Collaborative

Sustainable

# Perspective

Herrington, Reeves, and Oliver (2005) who argue that course management software leads universities to “think they are in the information industry”. In contrast to “the authentic learning environments prompted by advances in cognitive and constructivist learning theories”:

“the industrial, course management model has its center of gravity in *teachers* generating content, *teachers* gathering resources, *teachers* grouping and sequencing information, and *teachers* giving the information to students.”

Herrington, J., Reeves, T., and Oliver, R. (2005). Online learning as information delivery: Digital myopia. *Journal of Interactive Learning Research*, 16(4): 353-67.

**Examinations  
in Progress**

Under  
Construction



**Work  
in Progress**