

CHULALONGKORN EYE CENTER
FACULTY OF MEDICINE
CHULALONGKORN UNIVERSITY




ไอทีสำหรับพยาบาลที่ไม่ใช่ซักไอที

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Retina and Uveitis Specialist
Chulalongkorn University
Bangkok, Thailand

Mar 25, 2016


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I have no relevant financial or nonfinancial relationships to disclose.

ไม่มีผลประโยชน์ทางการเงินหรือประโยชน์อื่นใดที่เกี่ยวข้อง

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“Knowledge is Power”

-Francis Bacon-

Portrait of Bacon by Frans Pourbus (1617), Palace on the Water in Warsaw

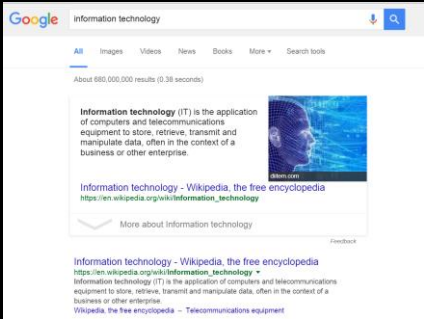
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OUTLINE

- Introduction
- Social Media
- (Social) Messenger
- Cloud (Technology) Computing
- Smartphoneography
- Eye Applications

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IT (Information Technology)



Information technology (IT) is the application of computers and telecommunications equipment to store, retrieve, transmit and manipulate data, often in the context of a business or other enterprise.

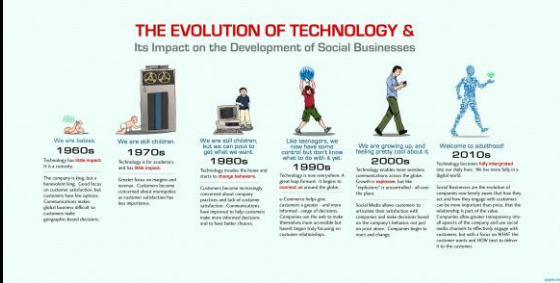
Information technology - Wikipedia, the free encyclopedia
https://en.wikipedia.org/wiki/information_technology

Information technology - Wikipedia, the free encyclopedia
https://en.wikipedia.org/wiki/information_technology

Information technology (IT) is the application of computers and telecommunications equipment to store, retrieve, transmit and manipulate data, often in the context of a business or other enterprise. - Telecommunications equipment - Wikipedia, the free encyclopedia - Telecommunications equipment

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THE EVOLUTION OF TECHNOLOGY & Its Impact on the Development of Social Businesses



1960s
Technology has little impact in a business.

1970s
Greater focus on design and storage. Computers become connected and data manipulation is common and widespread in business.

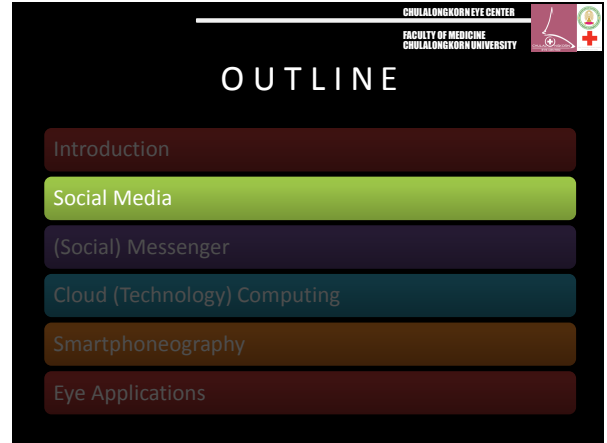
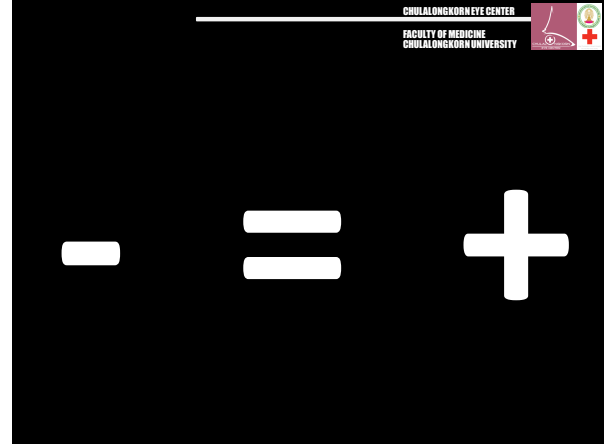
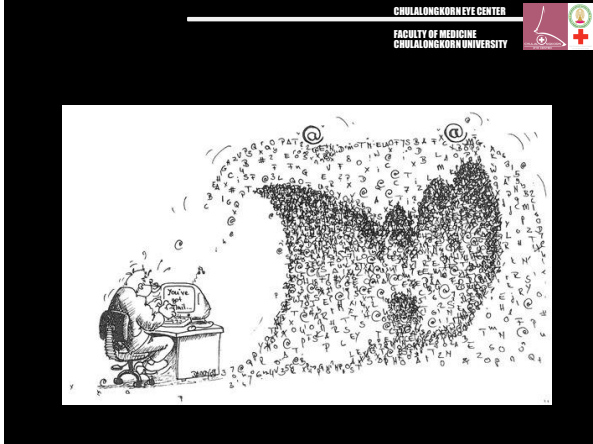
1980s
Computers become increasingly powerful and high-end applications. Computers become more powerful and more widespread. Computers become more powerful and more widespread.

1990s
Technology is now everywhere in general. General. It's everywhere. It's everywhere. It's everywhere.

2000s
Technology becomes fully integrated into our lives. We're now living a digital world.

2010s
Social businesses are the next step. Companies are now being powered by social media. Companies are now being powered by social media. Companies are now being powered by social media.

<http://application-of-computers-it.blogspot.com/2014/05/history-of-computer-technology.html>



CEO สอนให้โลก
ว่าไม่ได้ทำอะไรผิดอย่างที่เราเห็น... เราแพ้!

ในบทความของนิตยสารฟอร์จูน โนเกีย ได้เรียกชื่อของ ไมโครซอฟท์ CEO เซอร์บิลเกตส์ว่าเป็น "ผู้ชนะ" ซึ่งไม่ได้หมายถึง เซอร์บิลเกตส์ชนะ ไมโครซอฟท์ แต่หมายถึง เซอร์บิลเกตส์ชนะ เซอร์สตีเฟ่นแจ๊จ ซึ่งเป็น CEO ของโนเกียในขณะนั้น

ความหมายที่แท้จริง คือ เซอร์สตีเฟ่นแจ๊จ แพ้ ไมโครซอฟท์ ไม่ใช่ เซอร์บิลเกตส์ชนะ ไมโครซอฟท์

นี่เป็นสิ่งที่น่าทึ่งที่สุดในบทความนี้ เพราะ เซอร์สตีเฟ่นแจ๊จ แพ้ ไมโครซอฟท์ ไม่ใช่เพราะเขาทำผิด แต่เพราะเขาทำดีเกินไป

บทสรุป

1. เซอร์บิลเกตส์ โจนส์ และ ซีอีโอ ทีมงาน ไมโครซอฟท์ ไม่ได้ทำอะไรผิดอย่างที่เราเห็น แต่เพราะเขาทำดีเกินไป

การเป็นผู้นำที่ดี ไม่ใช่การทำอะไรที่ผิดอย่างที่เราเห็น แต่เพราะเขาทำดีเกินไป

นี่เป็นสิ่งที่น่าทึ่งที่สุดในบทความนี้ เพราะ เซอร์สตีเฟ่นแจ๊จ แพ้ ไมโครซอฟท์ ไม่ใช่เพราะเขาทำผิด แต่เพราะเขาทำดีเกินไป

“เราไม่ได้ทำอะไรผิดแต่
อย่างไรก็ตาม.... เราแพ้”

-NOKIA'S CEO-



NOKIA
Connecting People



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"The biggest risk is not taking any risk."

-Mark Zuckerberg-

"In a world that's changing really quickly, the only strategy that is guaranteed to fail is not taking risks."

facebook





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(Social) Messengers

KakaoTalk	Line	WhatsApp	WeChat
			
KakaoTalk	Line	WhatsApp	WeChat
Company Kakao	NHN	WhatsApp	Tencent
Country Korea	Korea	U.S.	China
Date of launch March 2010	June 2011	May 2009	January 2011
No. of users 75 million	100 million	More than 1 billion	2 billion
Main markets Korea	Japan	U.S., Europe	China, Southeast Asia


Source: E-Info-Company

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(Social) Messengers





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LINE

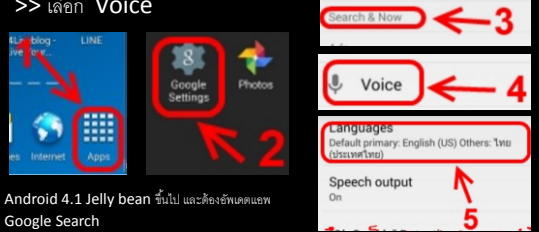
- Add friends
- LINE Group
- Albums
- Hidden Chat
- Voice Typing

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Voice Typing for

Apps >> เลือก Google Setting >> เลือก Search & Now >> เลือก Voice



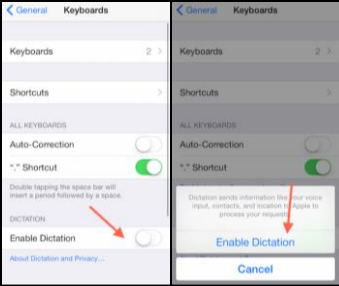
Android 4.1 Jelly bean ขึ้นไป และต้องอัปเดตระบบ Google Search

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Voice Typing for

Settings > General
> Keyboard >
Enable Dictation



คำสั่งเปิดใช้งาน SIRI ก่อน โดยไปที่ Setting -> General -> Siri -> แล้วกดเปิดให้ SIRI ก็จะเห็นไอคอนของ Siri บนหน้าจอแล้วครับ iOS8

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Cloud Computing

“The practice of using a network of remote servers hosted on the Internet to store, manage, and process data, rather than a local server or a personal computer.”

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Cloud Computing







<http://www.smartdatacollective.com/asher-ross/150686/10-ways-know-how-cloud-computing-benefits-your-company>

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Cloud Storage

Does bigger ALWAYS better ?

	
Dropbox (2GB)	Google Drive (30GB)
	
iCloud (5GB)	OneDrive (15GB)

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Cloud Storage

A Drive	50GB	
BOX	10GB	
Mega	50GB	
Qihoo 360	36TB (36864GB)	

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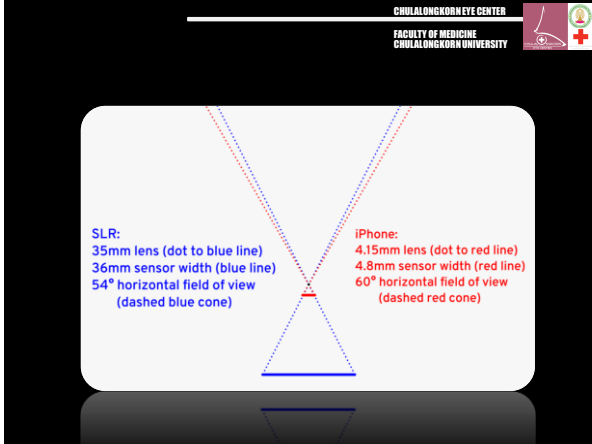
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- ## Smartphonography
- Anterior segment photography
 - HDR (High Dynamic Range)
 - Focus and Exposure
 - White Balance (WC)
 - Posterior segment photography
 - Principle and It's Use

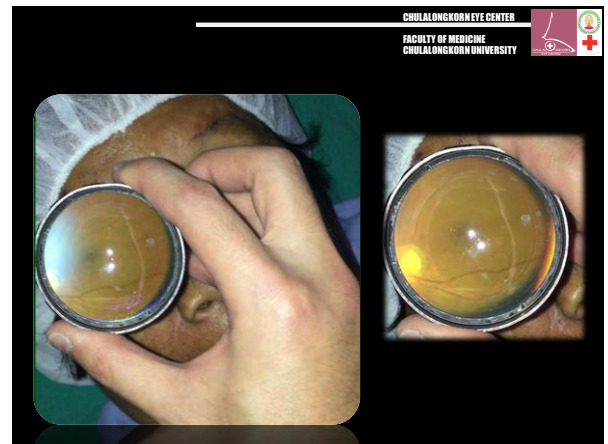
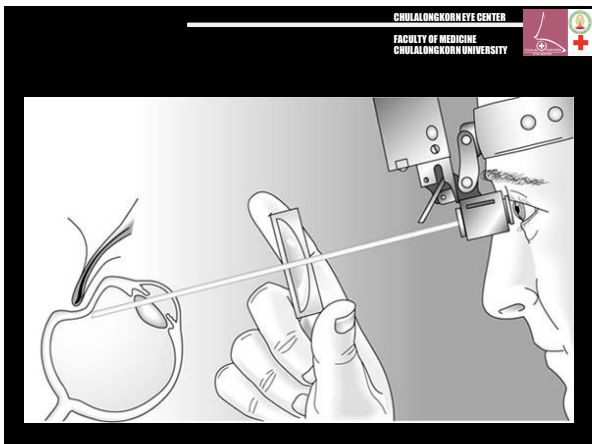
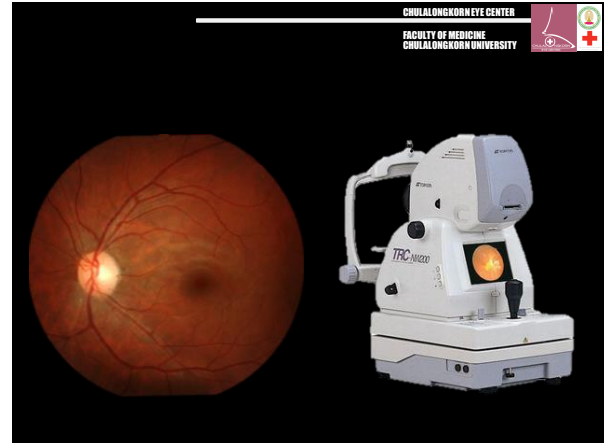


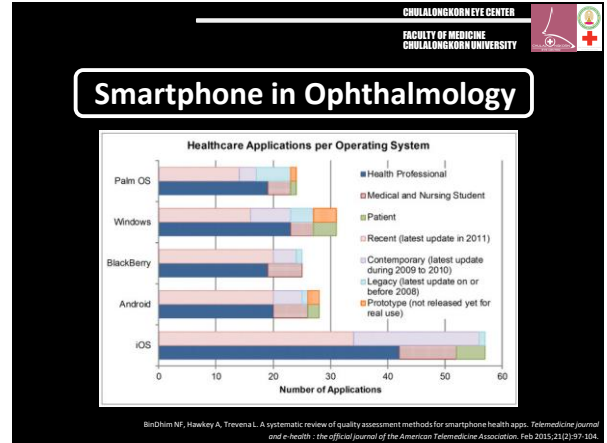
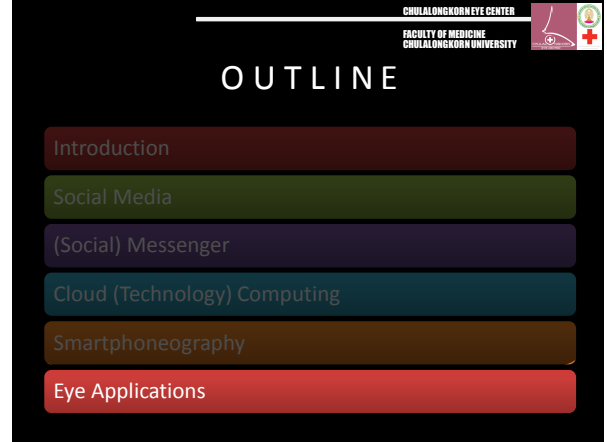
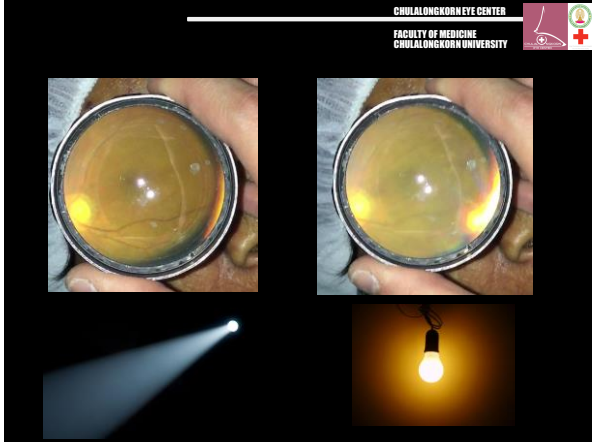


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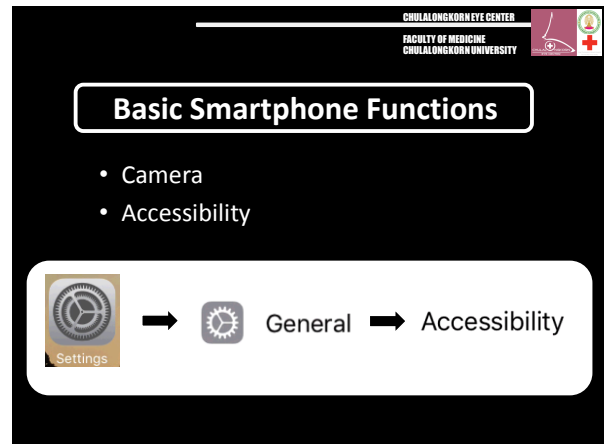
Macro

- Find your light !!! (Get enough illumination)
- Don't get too close
 - Fixed focus length (about 29 mm)
- Avoid messy backgrounds
- Use AE/AF lock for a clear shot



- ### Smartphone in Ophthalmology
- Anterior segment photography
 - Posterior segment photography
 - Visual acuity test
 - Color vision test
 - Amsler's grid
 - Worst four dots
 - Telemedicine
 - Patient education
 - Low vision aids
 - Color deficiency enhancement
 - Reference tools
 - Inform consent
 - Ect.....



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Accessibility

- Zoom
- Larger Font
- Grayscale
- Invert Colors
- Ect...
 - Speech
 - Increase Contrast

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claro
MagX

Please download these applications for FREE and play along with us !!!

Saturday session 13:30 – 14:00

Please download these applications for FREE and play along with us !!!

Saturday session 13:30 – 14:00

Invert Color

Please down
FREE

Zoom

Please download these applications for FREE and play along with us !!!

Saturday session 13:30 – 14:00

Black & White

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Color Deficiency

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Color Deficiency

- Color vision test
- Color Stimulation
- Color Definition
- Color Vision Enhancement Application

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<http://www.enchroma.com/>

Introducing EnChroma

Discover a new way to see the ordinary world around you. Not when you look through them, something amazing happens: your experience of color itself is fundamentally transformed. Colors appear more vibrant, saturated, full, and all without compromising the accuracy or color balance of the scene. Clearly, objects such as leaves, painted signs and faces, food, and traffic signs suddenly "pop" with a heightened clarity and intensity. EnChroma has a mission to increase "seen" for the blind and EnChroma is a regularly featured speaker on several television channels.

EnChroma, there is nothing actually magic in this... It's all based on science and technology... that is, color vision science and optical technology.

Symptoms and Causes of Color Blindness

A person with red-green color blindness does not actually "see" red and green. They only perceive the world differently because their red and green photoreceptors (the cones) are either missing, less sensitive, or have shifted spectral sensitivities. The photoreceptors receive light from the world and need to identify these photons.

Normally there are three distinct classes of cone cells: one class absorbs mainly red light (called long-wavelength), another absorbs mainly green light (the medium-wavelength) and another absorbs blue light (the short-wavelength). In a person with red-green color blindness, one of these is abnormal. For example, their cone absorbs the red light of the green light (called color blindness) or the green light of the red light (called color blindness).

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<http://www.enchroma.com/>

The graph plots Absorbance (0 to 1) against Nanometers Wavelength (400 to 700). It shows the spectral sensitivity curves for the Blue Cone, Green Cone, and Red Cone. The EnChroma Cx filter is shown as a series of overlapping curves that shift the peaks of the red and green cones towards shorter wavelengths, reducing their overlap and increasing the range of colors perceived.

US & Int'l Patent Pending


EnChroma Cx

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MyEyeDrops

- Reminder
 - Compliance is very important
 - Uveitis
 - Glaucoma
 - Corneal Ulcer
- Patient Education



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