Informal lunch-hour discussions on new technology and its impact on the Unisa Library

Oscar Manamela

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Contents

• Where did the idea come from?
• Why do we have discussion sessions?
• Who are attending the sessions?
• What did we do so far?
Part 1

Where did the idea come from?
Where the idea came from

• One of the responsibilities in our Unit (Research, Planning & Quality Unit) is to keep up with new technology that might impact the library and information service (LIS) profession

• As a group we decided to open up our discussions in the Unit by inviting staff interested in new technology
Where the idea came from

• We decided to schedule these discussion sessions over lunch times
  – No permission needed to attend
  – No impact on productivity or service
• We repeat every discussion - to give more staff the opportunity to attend
Part 2

Why do we have discussion sessions?
Three main reasons

• to tell other staff members about new technology we know of
• to learn from those who attend the sessions
• and (hopefully) to stimulate innovative ideas that will have a positive impact on productivity and services in the library
Part 3

Who are attending the discussion sessions?
Who are attending

• In the library, staff members with grade 12 to staff members busy working on their master and doctoral degrees

• From outside the library – academics from Information Science, Social Work and Industrial Psychology

• Everyone has equal opportunity to ask a question or share information
Part 4

What did we do so far – 4 sessions
No 1: Disruptive Technology and the 21st Century Employee

- Talked about the concept *disruptive technology*

Harvard Business School professor Clayton M. Christensen - *disruptive technology*
Disruptive Technology and the 21st Century Employee

• Talked about specific current innovations as disruptive technology

Driverless cars / Autonomous cars

Impact on mobile library – staff & reaching students?

3D printing

Impact of 3D printing on starting a new branch library – printing tables and chairs?
Disruptive Technology and the 21st Century Employee

Massachusetts Institute of Technology (MIT) - Audio reading devices

Unmanned aerial vehicles (UAVs) – also called drones – applications, such as natural disasters, Amazon, and competitions

University of South Florida - Library
Amazon’s “octocopter”

New library job? Drone manager
Security measures?
24/7 service?
Disruptive Technology and the 21\textsuperscript{st} Century Employee

• 21\textsuperscript{st} Century employee
  - The need for qualifications, experience and skills
  - Adaptability
  - Lifelong learning
  - Problem solving
  - The importance of relationships in a diverse global environment
No 2: Introduction to Augmented Reality (AR)

- Difference between Virtual Reality and Augmented Reality
- Augmented Reality equipment (hardware, software and triggers)
- Augmented Reality levels
Powerful education tool

AR augment our senses

books with AUGMENTED reality

The educational content relation changes
Wearable technology

Google Glass

Smartwatches – Tell time, make calls, check emails, view photos, heart beat, steps taken, GPS, remind you of appointments, birthdays, etc
Introduction to Artificial Intelligence (AI) and Robotics

- What is artificial intelligence
- Artificial intelligence in movies
- Strong and weak AI
- Where the word ‘Robotics’ came from
- Laws of Robotics
- Types of robots
  - Industrial robots
  - Military robots
  - Medical robots
  - TV News robots
  - Space robots
  - Library robots

Star Wars & Terminator
Introduction to Artificial Intelligence (AI) and Robotics

• The need for robots
• Disadvantages of robots
• What will be the impact of AI and robotics on the future workplace and the LIS profession?
No 4: The Maker Movement

- Taking place on **Wednesday 7 Oct 2014**, Large Listening Room, Level 4
- World Café (brainstorm questions), eg
  - Must the new library have a makerspace?
  - If yes, what must be in the makerspace?
  - When can staff use the makerspace?
  - What security must the makerspace have?
  - Must the makerspace have a fulltime supervisor?
  - Can the makerspace be used by other Unisa staff?
  - Must there be a separate makerspace for our clients?
thank you!

Oscar Manamela
manamom@unisa.ac.za
X 8715

PLEASE CONTACT ME IF YOU WANT TO BE PART OF THE DISCUSSIONS