

Envisioning Next Generation Space Initiatives and Library Technologies in the Fourth Industrial Revolution



Presenters:

Ray Ganessingh
Aleesha Chinnia-Benny

Innovation: Opportunities and Challenges in
Libraries, Museums and Archives of the Caribbean

June 4 to 8, 2023



2

OBJECTIVE:

To highlight how Caribbean libraries would need to prepare for Generation Z and Alpha users

Generation Z - (born between 1997 and 2012)

Generation Alpha - (born 2010 to 2024)

DISCUSSION POINTS:

3

Technology

Physical layout

Modern equipment

Paving the way for Artificial
Intelligence (AI) and robotics

Future of the mobile digital
library





4

Discussion: Technology

Support

Support infrastructure of connected devices for laptops, tablets and smart phones

Prepare

Prepare facilities for the post desktop library - rise of laptops

Implement

Implement cutting edge internet bandwidth with Wi-Fi access

Reduce

Reduce electricity bill

Discussion: The physical layout

The layout of libraries should include facilities such as:

5

Makerspaces

Lounge rooms

Virtual reality room

Research commons

Information spaces

Spaces outfitted with modern furniture

Social meeting room - library provides a place to eat and drink

Cafes – food and drinks

Green areas – open access, surrounded spaces with plants for interactive learning



6

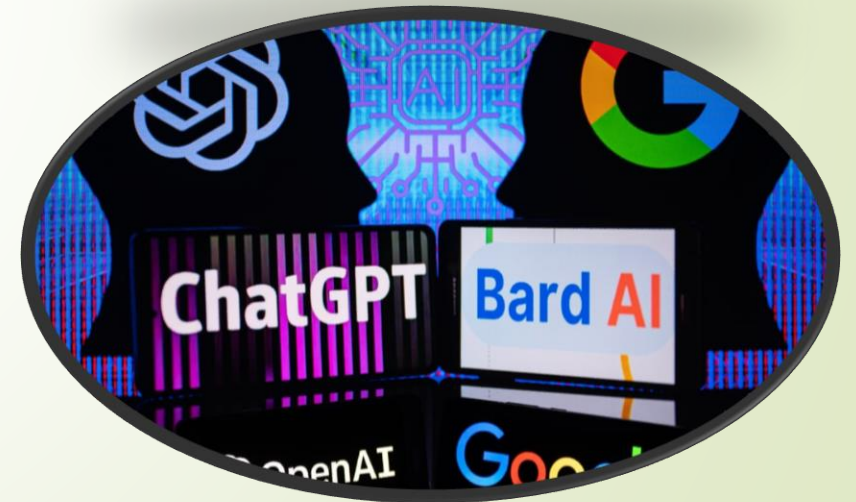
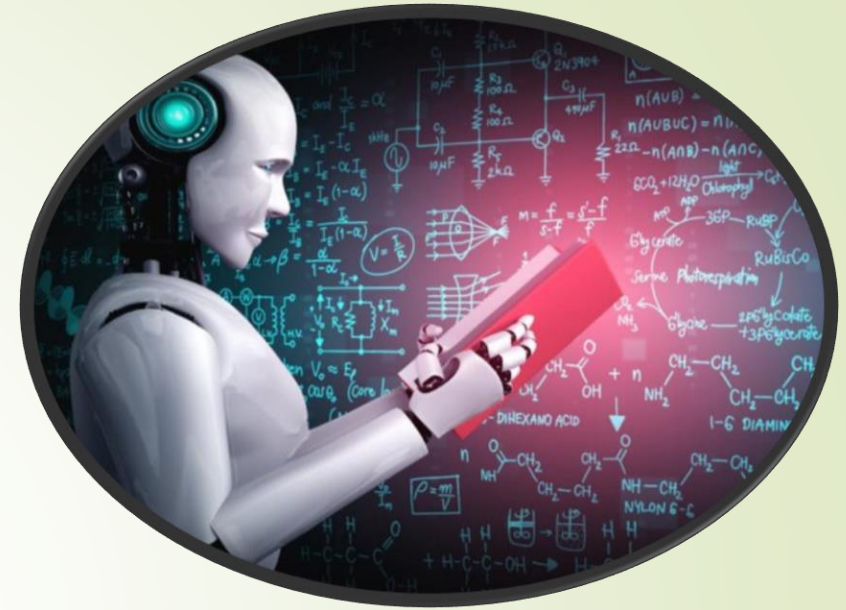
Discussion: Modern equipment

- Self- service kiosks will provide access to library services
- Investment in self - service technology e.g. lending program for laptops and MiFi devices for those without technology



Discussion: Paving the way for Artificial Intelligence (AI) and robotics

- Meet and greet robots
- Surveillance of library drones controlled by robots
- Talking robots to help and guide patrons throughout the library
- Robots to read books
- Sophisticated AI to integrate with library systems to provide patrons with relevant information and quality service for better user experience e.g. Chatbots 24/7 service via library website

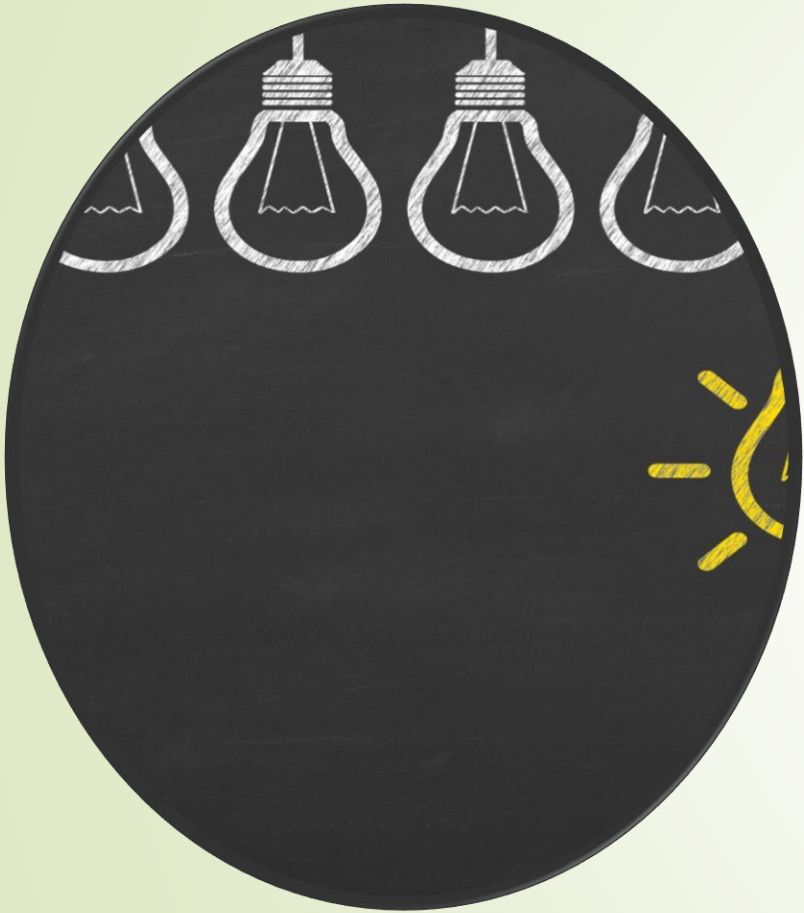


Future of the mobile digital library

Ushering an era of small screens to support a portable library through smartphones, tablets and advanced devices

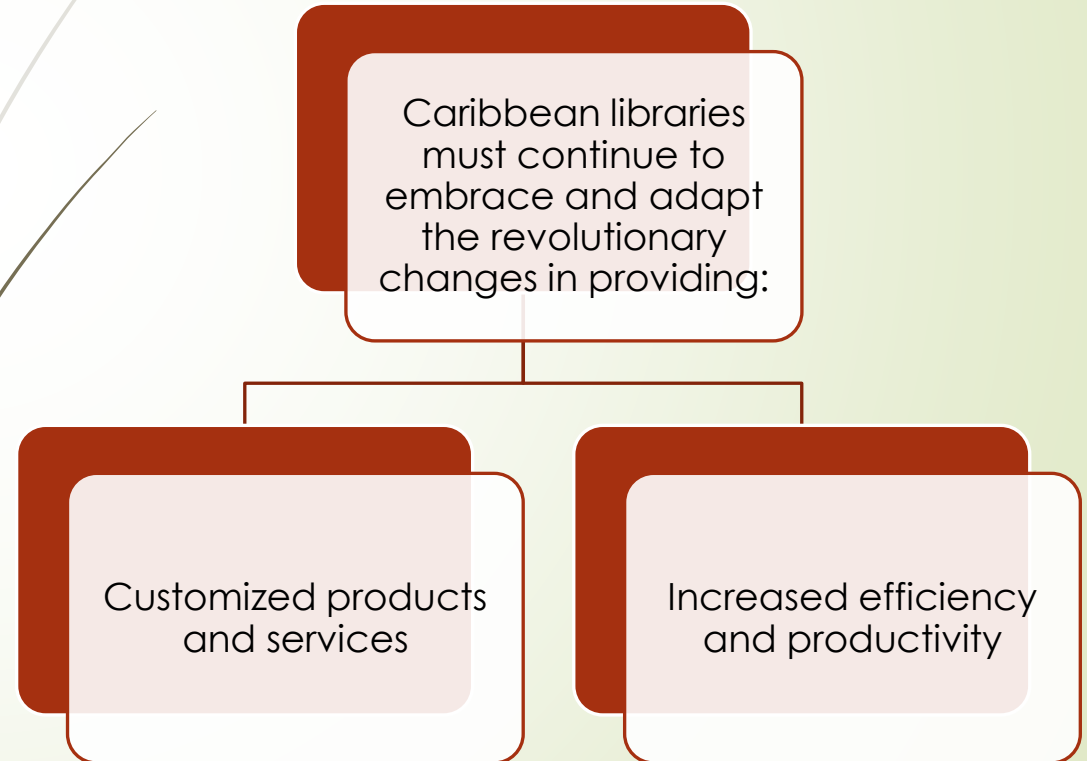
Harnessing of mobile applications to improve discoverability of resources

Vendors are busy in developing mobile apps, websites and electronic resources bringing the library closer to patrons and increasing its usage.



CONCLUSION:

Key Takeaways



References

Ateka, A., Maseh, E., & Bosire, E. (2023). Learning support in the 21st century university library space: Strategies for success. *Journal of Access Services*, 1-15.

Awoyemi, R. R. (2023). Library engagement with emerging technologies in Research and Learning. *Handbook of Research on Facilitating Collaborative Learning Through Digital Content and Learning Technologies*, 400-418.

Yoon, J., Andrews, J. E., & Ward, H. L. (2022). Perceptions on adopting artificial intelligence and related technologies in libraries: public and academic librarians in North America. *Library Hi Tech*, 40(6), 1893-1915.

Comments and Questions

➤ Ray.Ganessingh@sta.uwi.edu

➤ Aleesha.Chinnia-Benny@sta.uwi.edu