

2019
UITM KEDAH

InDeLib

International Innovation & Design in Library & Information Science Competition

HUMANIZING
InDeLib in the 21st century

14 OCT 2019
RAINBOW PARADISE BEACH RESORT, PENANG



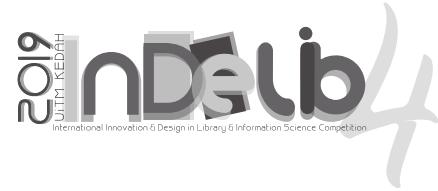
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ABSTRACT BOOK



HUMANIZING *InDeLib* in the 21st century



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Published by Faculty of Information Management, Universiti Teknologi MARA
Cawangan Kedah

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ABSTRACT:

Many believe that library is still a boring place to visit, as library hold the concept of silence and also very orthodox. The communication that goes on between the staffs and users are restraint only between face-to-face. Librarian faces challenge in redefine the concept of library. In order to attract more users to visit it. LibGram Assist is an arithmetical hologram projection of a librarian in a library environment. Using the latest technology of fairylight, LibGram Assist concept will support the new digital library environment and will forever change the perception of the society about library and information archive. LibGram Assist uses fairy light technology that applies femtosecond lasers to ionize air molecules and thus create crackling, photon-emitting pockets of plasma. These lights, or “voxels,” can be arranged in mid-air to create moving and floating images. The most amazing thing is that these lights are interactive. Not only that you can touch them; you can also feel and control them. Envision, a librarian hologram that looks so real that 3D objects appear to float in mid-air – now this is LibGram Assist. LibGram Assist will help a library to manage librarian routines communication tasks when dealing with users, LibGram Assist is the beginning of a new era where it introduces the surrounding without any help from a human, as it is conducted by the hologram itself. For instance, the LibGram Assist can be used by users to ask and also to get basic information about the library (advance version). LibGram Assist will also help users (including handicapped users) by providing them the direction to find library material and resources. But most importantly, LibGram support both, 4IR and Malaysia TVET vision.

Keyword: LibGram Assist. Library, Librarian, Library environment

Novelty & Uniqueness:

The world current 4th Industrial Revolution - 4IR (Nicolas Davies, 2016), described the advent of “cyber-physical systems” involving entirely new capabilities for people and machines. It represents entirely new ways in which technology becomes embedded within societies and even our human bodies. Meanwhile, in Malaysia, Vocational Education and Training -TVET is currently forecast as Malaysian 4IR enabler that facilitate all support technology trends such as the Internet, artificial intelligence and virtual reality as key skills especially in building work for the younger generation. LibGram Assist are coherent with both 4IR and TVET vision.

LibGram Assist. is the new interactive holographic controls library assistance service to be introduce to library industry. It has the capability to store a massive amount of data and also the competency to share those amounts of data with wide world library users. According to Andrew Pepper (2017), unlike CDs and DVDs, which store their data on the disc's surface, holograms store data in three dimensions and those pages can overlap in the storage space. A holographic memory

device that can hold up to several gigabytes could compete with flash memory for several usages (Ahmed Elmorshidy, 2010). Hence, holographic storage could one day be the storage solution of choice. Plus, this support an ideal picture of a forthcoming version of a digital library. It represents the new wave in the future of technology and communications. But most importantly, LibGram Assist offers an amazing new experience and new adventure to library users around the world.

Potential Commercialization:

LibGram Assist are coherent with current Malaysian Government notable technological, industrial and strategic national initiatives – TVET and also international 4IR revolution. LibGram Assist articulate the utilizing foresight and futures prospecting to help drive the advancement of high technology competency and capacity in Malaysia digital library work. Hence, within commercialization platform LibGram Assist will potentially become:

1. A one short library industrial technological investment effort but for a longer period of tangible profit.
2. A platform allowing library industry to re-invent and re-branding itself into new library artificial intelligent technological phenomena that will benefit itself in both short and long run.
3. An assistance tools in human effort to save human resource capital.

Acknowledgement:

I would like to express my gratitude to all that has helped me and my team by enlightening us on the details need to be known in order for us to proceed with the registration for this competition and also throughout the journey for the completion of the project.





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