CCIS COLLEGE OF COMPUTER AND INFORMATION SCIENCE
MAPÚA MALAYAN COLLEGES MINDANAO

ACTIVITY No. 3 : Interacting with Computer Technologies

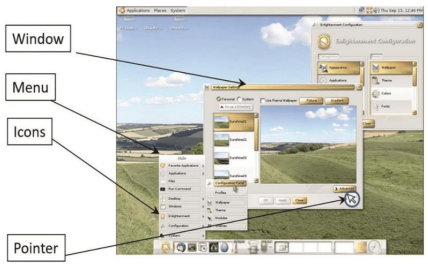
Objective
Examine users' ability to communicate with technologies.

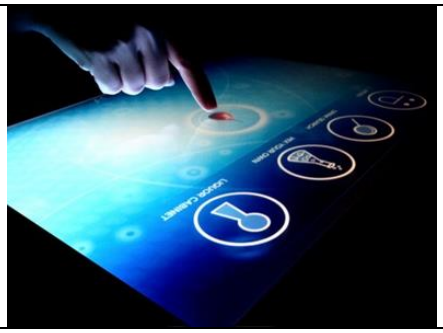
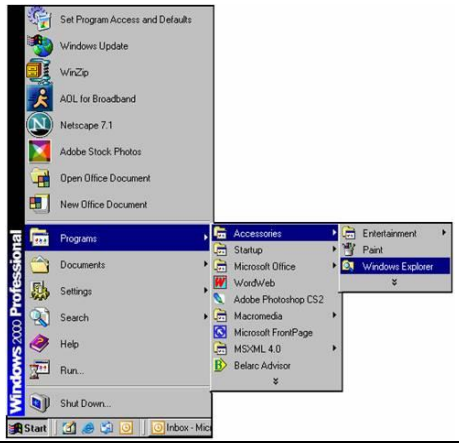
Time: 1 hour and 30 minutes

Materials
Personal computer
Internet connection

Procedure

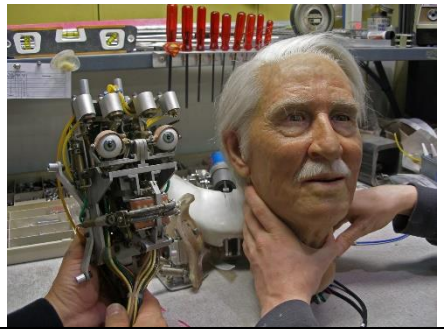
a. Search 5 technologies which designs depict for easy interaction with users. Provide picture for each technology.

1. 	**WIMP Interface** WIMP stands for "Windows, Icons, Menus, Pointer", this refers to the interface that uses these elements to allow users to interact with the system.
2. 	**Voice User Interface** Allows users to interact with the system through voice commands.
3. 	**Touchless User Interface** Allows users to interact without physically touching a screen or input device, instead it uses sensors to detect user's gestures, movements, and commands.
4.	**Touch User Interface** Uses sensors to detect the location, movements, and pressure of a user's finger or pointing device on a screen.

	
5. 	**Menu-Driven User Interface** Allows users to interact with a series of menus to navigate a file structure, this is to locate features and functions with a graphical user interface.
Source: https://makeiterate.com/types-of-user-interface-a-quick-overview/	

b. Search 5 technologies which designs depict for difficult interaction with users. Provide picture for each technology.

1. 	**Drone** An aircraft without any human pilot, crew, or passengers on board
2. 	**Robotic Feeders** This technology improves care for animals and helps those people that have busy schedules to still be able to take care of their pet.
3.	**Surveillance Technologies** Helps with the security of your home or business. The use of this technology in the workplace can lead to concerns about privacy rights.

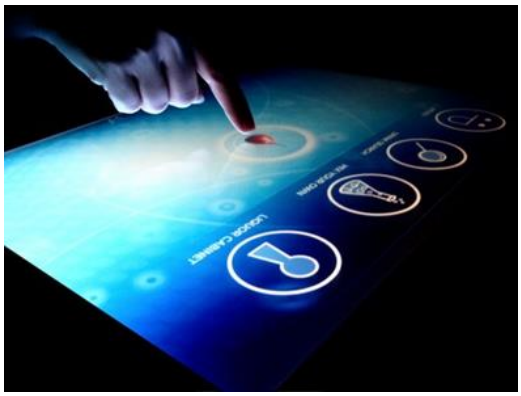
	
4. 	**Facial Recognition Technology** This is a method of identifying a human face through software, mapping out and analyzing key features.
5. 	**Animatronic Counterparts** Animatronics are commonly used for entertainment to create an interactive experience for visitors.
Source: https://infermedica.com/blog/articles/the-art-of-human-technology-interactions	

c. Choose only one technology ABOVE in easy and difficult interaction with users.

d. Provide picture and description on the functionalities and features.

Easy Interaction

Touch User Interface



Having a Touch-User Interface works as both an input and an output device, it is used in many products such as computers, mobile phones, tablets, and touch screens. It offers various features and functionalities, such as,

Graphical User Interface (GUI), Multimedia Integration, Command Line Interface (CLI), Menu-driven UI, Touch UI, Voice UI, Form-based UI, Natural language UI, Mobile UI, UI and UX, all of these have different features such as incorporating visual elements, integrating multimedia elements, enabling tactile information with interface elements, enhancing immersion such as incorporating voice commands for user interaction and expanding accessibility.
Difficult Interaction **Facial Recognition Technology**  Facial Recognition Technology is a method of identifying a human face through software, it works trough mapping or analyzing key facial features. This technology is used in various application, such as security. The features and functionalities of this technology are face detection, face capture, face match, AI impact, and 2D or 3D sensors, combining all of these features and functionalities allows facial recognition to be used in various applications, such as security, law enforcement, digital onboarding in finance, and personal authentication.

e. Provide explanation or justification why you say that interaction is easy or difficult. Comment on the designs

EASY INTERACTION	DIFFICULT INTERACTION
It offers a wide range of features and functionalities that cater to diverse user needs and preferences. The incorporation of visual elements, multimedia integration, and tactile feedback make touch-user interfaces easy to use and navigate, contributing to their widespread adoption and popularity.	The complex technical intricacies in algorithm development, ethical dilemmas surrounding privacy and surveillance, concerns regarding accuracy and biases, navigating legal and regulatory landscapes, and addressing societal apprehensions regarding trust and acceptance. Balancing the benefits of enhanced security and efficiency with the need of safeguard privacy and mitigate potential harms requires a nuanced

	understanding of the technology's capabilities and implications across various domains.