TANGIBLE USER INTERFACE

INTRODUCTION

- TUI is a user interface that allows interaction through physical objects as opposed to just screens or buttons.

- These physical objects can be used to control the digital information.

- TUI's aim is to enhance the user experience by providing a connection between user and the digital world.

APPLICATIONS:

- Gaming

- Education

- Health and Fitness

- Automation

EXAMPLES:

ADVANTAGES:

- Enhanced User Experience

- Increased Productivity

- Greater accessibility

- Higher Accuracy

- Increased fun and enjoyment

ISSUES:

➤ Challenge of designing TUIs for people with disabilities. TUIs are ready to be accessible to people with certain physical or cognitive impairments.

➤ Integration Challenge to integrate into existing software and hardware systems.

➤ Maintenance challenge, it requires regular maintenance to keep them functioning properly.

➤ Cost, TUIs can be expensive to design, build, and implement.

FUTURE OF TUIS

- Increased Adoption

- Advancement in Technology

- Integration with Virtual Reality (VR)

- Wearables

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