

Unit 1: Information Technology Systems A Digital devices in IT systems A5 Choosing IT systems

Digital Technology Choice Factors

There are ten major factors to consider when choosing digital technology.

User experience

User experience is about the feeling a person gets when making use of a device. Notable factors here include ease of use, performance, availability & accessibility.

User needs

User needs are about what actual tasks the user wants to perform using the IT system.

Specification

The specification is the list of components required of a computer system in order to allow users to run the software they need and perform their tasks.

Compatibility

Compatibility is about whether the IT system can communicate with other devices you are using with it.

Connectivity

Connectivity is about how a device can connect to a network, such as a LAN or the Internet.

Digital Technology Choice Factors

Security

Security is about how safe a device is from security threats, such as hackers & viruses.

Cost

Cost is how much purchasing and running a device will cost you or your business.

Efficiency

Efficiency is about how effectively tasks can be completed by the digital technology with as little wastage of resources.

Implementation

Implementation is about the time involved with putting a new system into effect. Notable factors here include timescales, testing & migration.

Productivity

Productivity is about how quickly tasks can be completed when making use of an IT system.

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