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Information Technology Department
Lab Worksheet 5

Course Title:	Introduction to Human Component
Course Code:	IT 300
Week number:	Week 8
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Title:

Instructions.

Background:

System component and build up it.

Purpose:

The lesson from this chapter is that the interface designer needs to be aware of the properties of the devices with which a system is built. This includes not only input and output devices, but all the factors that influence the behaviour of the interface, since all of these influence the nature and style of the interaction.

Software / Tools:

No software, papers and pens.

Procedure:

Pick one of the following scenarios, and choose a suitable combination of input and output devices to best support the intended interaction. It may help to identify typical users or classes of user, and identify how the devices chosen support these people in their tasks. Explain the major problems that the input and output devices solve.

Implementation:



Task 1: (a) Environmental database

A computer database is under development that will hold environmental information. This ranges from meteorological measurements through fish catches to descriptions of pollution, and will include topographical details and sketches and photographs. The data has to be accessed only by experts, but they want to be able to describe and retrieve any piece of data within a few seconds.

Users of this computer database: Experts.

The input devices for this computer database:

- **Keyboard:** used to enter text data into the database or make instructions to move (up-down-right-left).
- **Mouse:** used to do or choose instructions (scroll page, select data, open file) inside the database.
- **Scanner:** convert physical copies of data (document, image) into a digital version and input it into the database.
- **Flash drive:** input data (document, image, video, text) into the database.

The output devices for this computer database:

- **Monitor:** used to display data (document, image, video, text) placed in the database.
- **Printer:** convert the digital copy of the data (documents, image, text) placed in the database into a hard copy.

(b) Word processor for blind people

A word processor for blind users is needed, which can also be operated by sighted people. It has to support the standard set of word-processing tasks.