Antonio J. de Vicente

SESSION 11

THE INPUT-OUTPUT SYSTEM

OBJETIVES

To understand the need of I/O systems.

To be able of distinguishing between elements of a I/O system.

To know basic transfer protocols.

To know I/O map concepts

To know different I/O synchronization mechanism

PREVIOUS KNOWLEDGE

Deep knowledge of digital electronic. Basic knowledge about I/O devices.

BIBLIOGRAPHY

- Fundamentos de los Computadores. Pedro de Miguel Anasagasti. Thomson-Paraninfo, 9º ed. 2004.

- Estructura y Diseño de Computadores. David. A. Patterson and John L. Hennessy Ed. Reverte 2000.

- Organización y Arquitectura de Computadores. William Stallings. Pearson-Prentice Hall, 2006

TASKS

READINGS

FUNDAMENTOS DE LOS COMPUTADORES (Pedro de Miguel Anasagasti. Thomson-Paraninfo. 2004)
1. Chapter 7. Input / Output
2. General concepts (8.1)
3. Programmed I/O (8.2)
4. Priorities (8.3)
5. Interrupts driven I/O (8.4)

ORGANIZACIÓN Y ARQUITECTURA DE COMPUTADORES. (W. Stallings. Pearson-Prentice Hall, 2006)
1. Chapter 8. Input / Output
   a. External devices (7.1)
   b. I/O modules (7.2)
   c. Programmed I/O (7.3)
   d. Interrupt driven I/O (7.4)
   e. DMA (7.5)

EXERCISES

Download http://atc2.aut.uah.es/~avicente/asignaturas/eoc/pdf/enunciados_t5.pdf some of them will be solved during the classes.