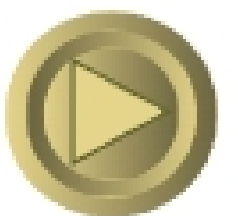




VxWorks & Memory Management

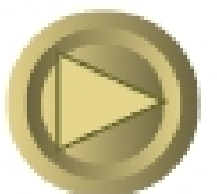
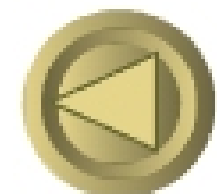
Group A7

CSE8343



Agenda

- **General Overview**
- **High level overview of how VxWorks thinks about memory**
 - **Virtual Memory**
 - **Caching**
- **Specific example of how VxWorks allocates memory on a Synergy Dual Processor**



General Overview

- **In basic VxWorks, all memory can be conceived as a singular linear array of words*.**
- **All processes (theoretically) can access all words.**
- ***=Or what ever the appropriate addressing unit is: byte, word, long word**

