

Lecture 16: STM Project (Mar 31, 2005) Yap

Mar 31, 2005

1 ADMIN

- Homework 5 is out today!
- Today, we will go over the STM Project

2 Review

- Q: What are the assumptions of the RMS algorithm?
A:
 - processes are independent
 - periodic i th process has two parameters: PERIOD P_i and CPU TIME REQUIREMENT C_i .
 - nonperiodic processes have no deadlines
 - preemption is free

3 More Multimedia

- Work through examples of RMS and EDS scheduling
- The MPEG ALGORITHM in greater detail

4 Review of STM and Project

- STM, the machine. (Courtesy, Prof. Ernie Davis) See Homework Handout
- STML, the language. See Homework Handout
- Example: the sort program
- Modifying it for multiprocessing: what is needed