Team Project: A Surveillant Robot System

Status Report: 04/05/2005

Little Red Team

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Agenda

- □ Problems
- Team meeting
- Progress report



Problems

- Lego Mindstorms and Vision Command operates on Windows 98.
 - But, OS of our notebook computers is Windows XP professional or Home Edition. So, We need XP patch to Mindestorms and Vision command
 - → This problem is solved.
- Basically, Lego company does not provide the communication or data transfer functionality between Vision Commander and Mindstorms → leJOS support Java Vision API
- □ Java Communication API does not support USB communication. → We directly should implement that functionality. → leJOS can support USB communication
- On behalf of remote experiment, we need some fixed IP address not automatic IP as DHCP. → I will ask walter how to get it. → Wireless Access Point



Problems - new

- ☐ It is difficult to implement the robot behavior.

 - There are limitations to implement autonomous and intelligent behavior of robot system.
 - It is not easy to navigate wide space in the room because it is not maze using narrow paths.
 - We are now trying to various tests. Ex) only touch sensors, only light sensor and both case together: three cases.

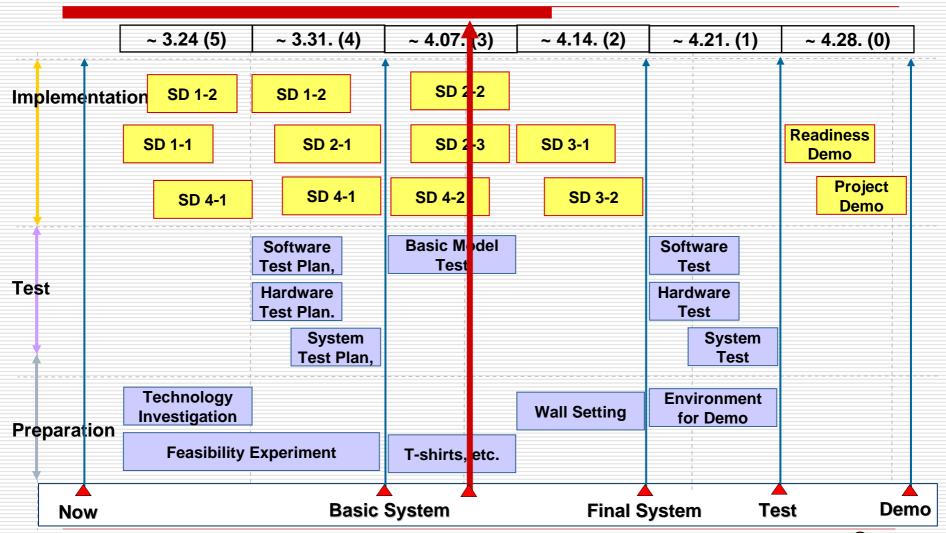


Team meeting

- □ After last progress report, the regular team meeting -> two, contingency meeting -> two
 - Most of topics in meetings was implementation issues.

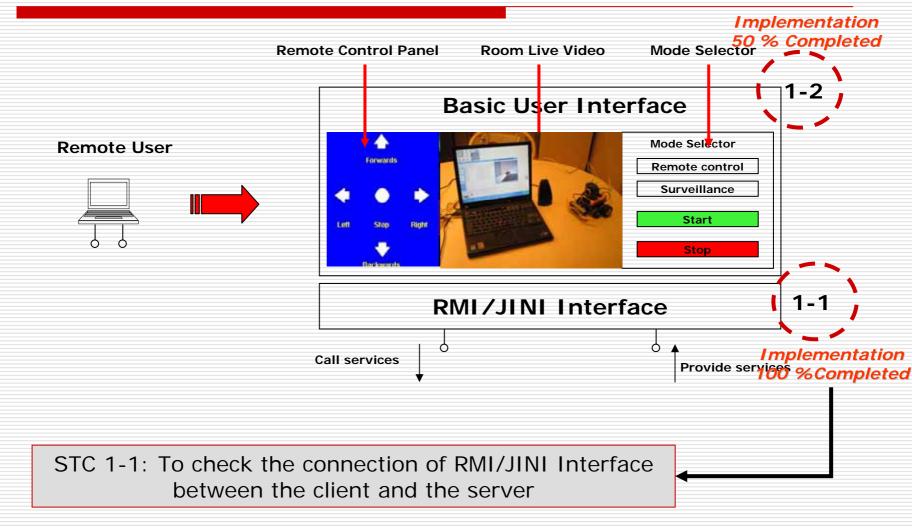


Task Plan



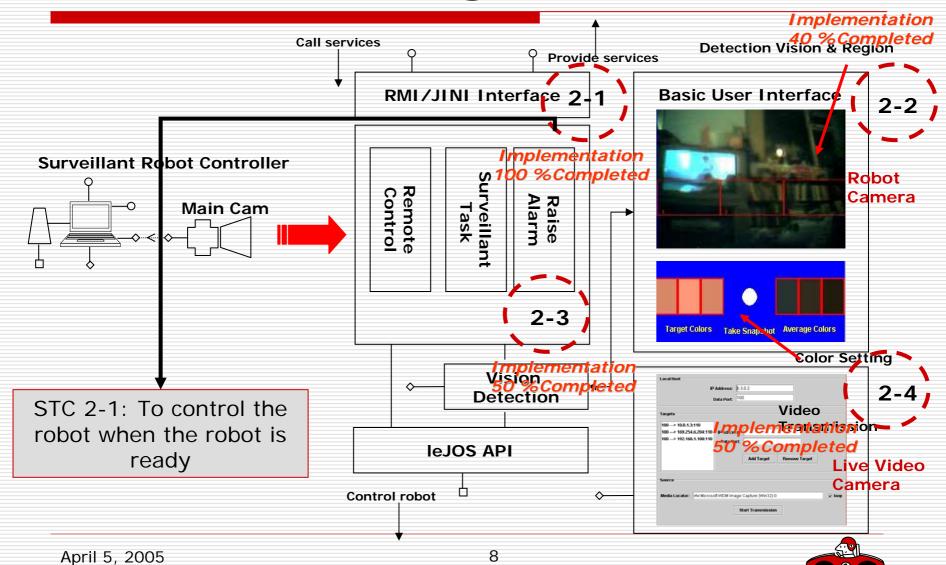


Software Design – SD#1

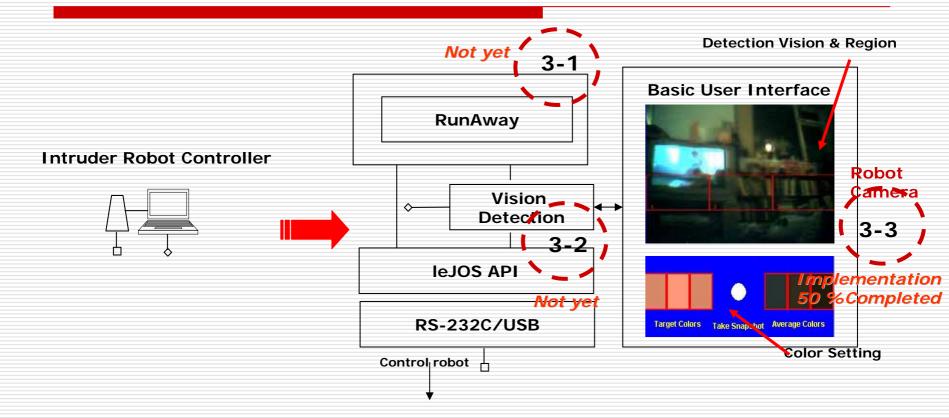




Software Design – SD#2

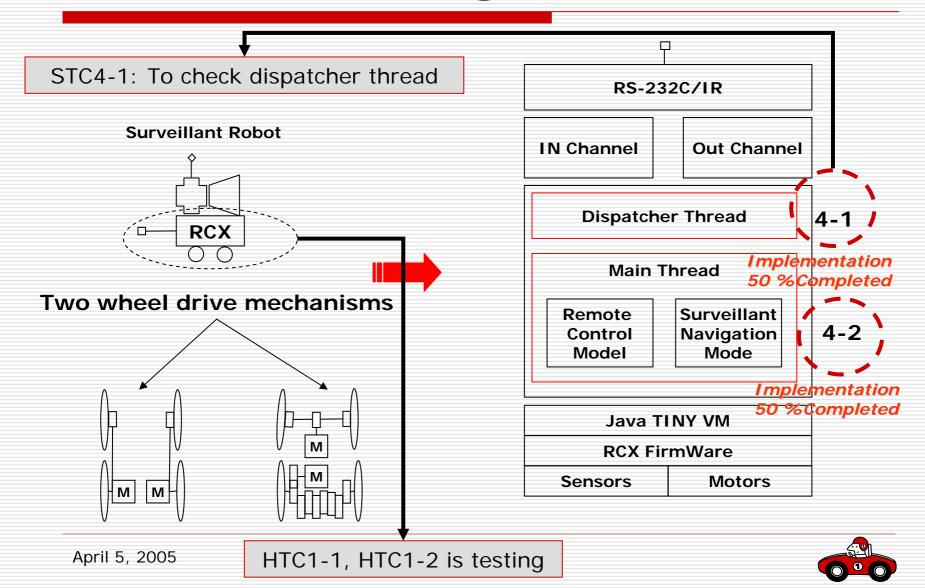


Software Design - SD#3

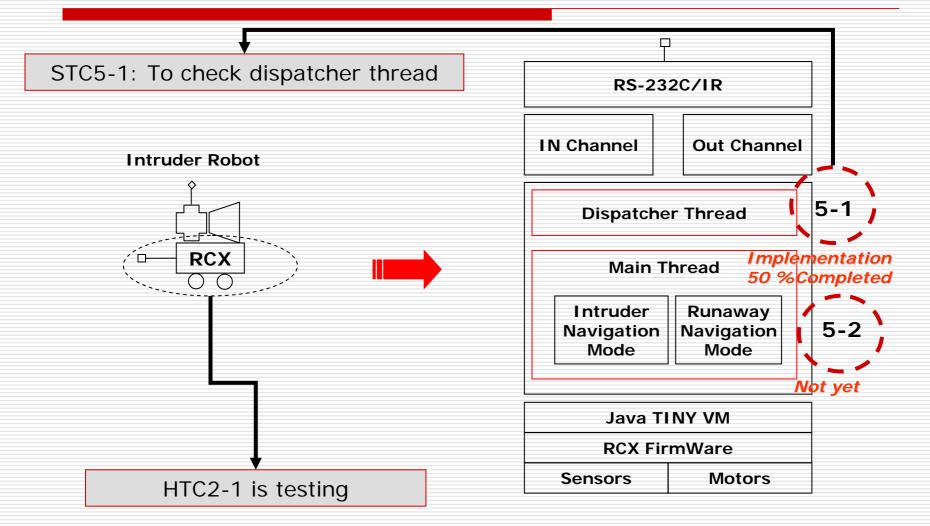




Software Design – SD#4



Software Design - SD#5





Progress status

- Actual vs plan : 50% of the whole system is completed and tested.
- From next week, we will start to integration test between all software and hardware.

