

What was to be accomplished

Below is a list of tasks that were scheduled for the work period leading up to this panel as defined in the Post-Panel 1 memo, in addition to the progress made on each item.

- Finish technical specifications document
Approved by Professor Thompson
- Complete research portion of background document
Completed
- Complete related technologies portion of background document
Completed
- Perform trade analysis to determine optimal capture system
Image comparison has begun (see slideshow)
- Begin research on image processing services
Investigated PIL and ImageJ (see slideshow)
- Contact Microsoft in hopes of obtaining source code
Email was sent

The team has met the goals that were assigned for the past work period.

Future Plans

For development of software, we have been provided with a computer and room in BreakIron 163. One of the goals is to set up the system with Ubuntu and Python/Java development tools. We have determined a number of different tasks, which are each essentially a proof of concept for the core ideas that must be implemented for the final system. Some of the tasks that must be accomplished are listed below.

- Access camera through Android
- Divide image into cells
- Classify cells
- Determine camera settings
- "Stitch" images together
- Learn signal processing