Weekly Report

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Abstract—**This week I mainly put my effort on writing the government proposal and revising software.**

I. WRITING PROPOSAL

THERE is a government project about environmental management, and we need to write the proposal in this week.

- My work is the part of river management system and engineering implementation plan.
- At first, I wrote about river supervisor system, which means to divide the whole river into parts, and appoint someone to be in charge of this part. Then after teachers talking about the draft, I changed the river supervisor system into grid based management system, which is more comprehensive.
- Finally, I wrote about 30 pages and revised it according to the requirement of the director.
  Fig. 1 is the system function pipeline. Fig. 2 is the system architecture.

II. REVISING SOFTWARE

We uploaded our software last week, and the feedback shows that we need to revise our software.

- The output name is required to be the same with the input image, so is the output name in the XML file.
- The ouput image format needs to be consisted with input image. They are both in bmp format.
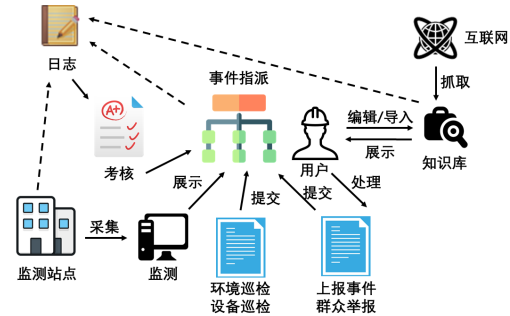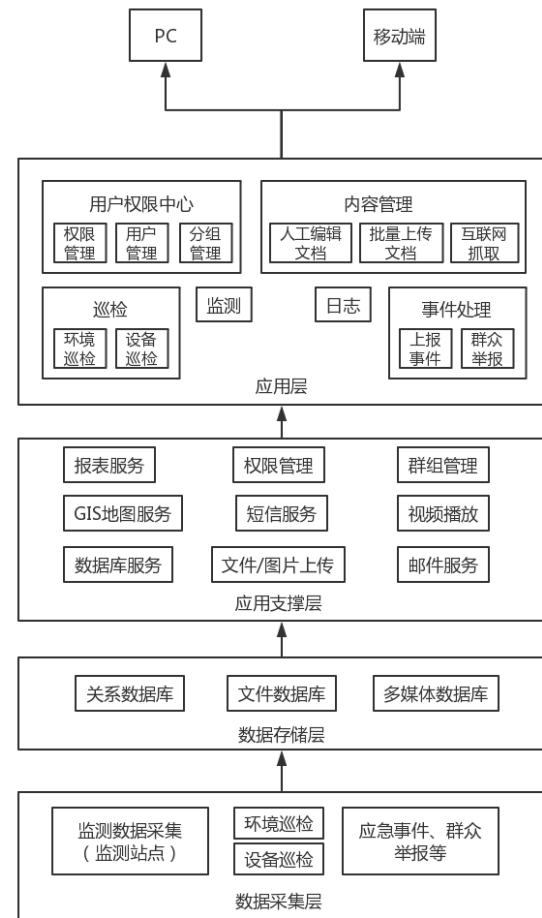- We uploaded software again, and got the results. I need to try more methods to improve precision.

Fig. 1: System function

Fig. 2: System architecture