WEEKLY PROGRESS REPORT

PIX’R’US

Ebru AYDIN 1394691
Berk DEMIR 1448588
Ender EREL 1395029
M. Ozan KABAK 1389568

Summary:

- Weekly meeting was held.
- Tested various photogrammetry tools.
- Tested Open CV library.
- Shared individual works between project members.

Plans for next week:

- Wiki page and web page will be updated.
- Each individual will continue performing additional research on relevant topics.
- Research for the requirement analysis.
- Preparing the requirements analysis.
- Extra meeting scheduled.

Individual work:


Next week: Analyzing papers (Volumetric Descriptions of Objects from Multiple Views, Worthy N. Martin and J. K. Aggarwal). Studying topics in robotic vision. Image mosaic techniques and algorithms will be searched. Other programs (Regeemy and Geometica) will be installed and used.

Berk DEMIR: Internet search on relevant topics. Investigation on Regeemy. Web page is updated.

Ender EREL: Downloaded, installed and investigated the programs recommended (Geometica, IDL/ENVI and Regeemy). Researched for relevant books in the METU Library and checked out the book titled “Integrating Photogrammetric Techniques with Scene Analysis and Machine Vision 2” for later research.

Next week: Download given example inputs and try with downloaded software for reference and investigation. Read relevant papers from the book from the Library. Read slides of Robot Vision course.

Ozan KABAK: MATLAB image processing toolbox was reviewed to assess its usability in our project. OpenCV library was investigated. Various image registration techniques (both automated and manual), together with their use image mosaic generation was studied.

Next week: Various other photogrammetry libraries (OSSIM, VXL) will be investigated. Lecture notes on Robot Vision (Aydin Alatan) will be studied. Sample inputs will be reviewed.