

UNIVERSITY OF DELAWARE
DEPARTMENT OF COMPUTER AND INFORMATION
SCIENCES
CISC 4/689: COMPUTER VISION, Spring 2006
Final Project Due 5/19/06 (Fri.) by 10PM.

Final project is required for 689 students. Each project team can consist of atmost three students. Here is what is needed:

- i. Decide on the project and team
- ii. Indicate to me the project specification and explain what will be achieved
- iii. Do a 10-minute presentation in the class in couple of weeks from now
- iv. Submit around 3-pages of html report with links to results having images/videos/tables, etc.

Project Ideas:

1. Use of existing Computer Vision libraries to achieve a task. (www.itk.org, <http://sourceforge.net/projects/opencvlibrary/>, etc.)
2. Improved Corner detection
3. Improved Blending
4. Improved Stereo Analysis
5. Implementation of 2D registration
6. Implementation of 3D registration
7. Structure from motion - rigid
8. Structure from motion - nonrigid
9. Implementation of Deformable contours (Snakes)
10. Implementation of Rigid/Nonrigid Registration

Score sheet

The assignment has a total of 15 points and is the same for both graduate and undergraduate students. The score will be extra credit for undergraduate students.