

600.446/646 – CIS II – Mentors Report

Dear CIS II Mentor,

First, thank you for mentoring a CIS II project this year. This course provides a great educational experience for the students, and also can produce useful research results. Its success depends greatly on the project mentors, and I hope that your experience this year has been productive both for you and for the students.

As part of our grading process this year, I am encouraging project mentors to provide some input. You all should have been granted access to the course web site and to the individual project(s) that you are mentoring. Go to

<https://ciis.lcsr.jhu.edu/doku.php?id=courses:456:2022:projects>

You will be asked to log in by clicking the login link in the upper right. You can then follow the link to your specific project. Contact either me (rht@jhu.edu) or the TA (Juan Antonio Barragan, jbarrag3@jh.edu) if you have problems.

We would really appreciate it if you can answer a few questions. Please, edit the form and send it back to your students, so that they can upload it onto the course web site for us to revise. If you have any additional private comments that you would like to share with us you can send them directly via email to me and Juan with the subject "cis ii project xxx additional feedback".

Finally, note that the annual final exam / poster session will be Thursday, May 11 from 9 AM until about 12:30 PM. This year, the event will be held in person on Hackerman B17. I very much hope that you can attend. Also, the project reports are due on the day of the poster session, but the students have been told that you need an opportunity to review the reports before then. Also, **we will need your comments to us on May 11 before 9AM**, since we will be using them to help us with our evaluation of the projects.

Russ Taylor

PS: An electronic copy of this word file may be found on the CIS 2 Wiki page at

<https://ciis.lcsr.jhu.edu/dokuwiki/doku.php?id=courses:446>

Our contact information is below:

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Questionnaire – Project 19

Overall project and progress

- Were you satisfied with the overall technical progress made in the course of the semester?
Yes I was satisfied with the overall technical progress. The students worked very hard throughout the semester on the project.
- Was the total accomplishment appropriate for the number and level (undergrad/graduate) of students on the project?
Yes, the team was able to meet all of the requirements for all levels after adjustment of requirements, we were hopeful for more results with regards to mastoidectomy surgery.
- Will the results be useful to you in the future?
Yes, we plan to publish and use these results.
- Is this a project that you would like to continue? If so, is it left in a state to facilitate this?
Yes, we plan to continue, and it is in a good state to facilitate this.
- Do you see a prospect for patents or publication to result?
Publication, yes, in an IEEE Journal/Conference.

Work products

- Is the **project documentation** adequate?
Yes documentation looks good.
- If the project involves source code, is the code well-structured and usable by others?
Code is well structured and available for use by others. Well designed and documented.
- **Important:** Are the project documentation, programs, and data preserved in a place readily accessible and identified in the project Wiki pages?
Yes documentation, programs, and data are all saved in easily accessible places for future work and identified properly and specifically on the wiki pages and reports.

Report (which the students should have shared with you)

- Does the project report accurately reflect the scope and accomplishment of the project?
Yes it does.
- Were you given an adequate opportunity to review the report?
Yes I was given an adequate opportunity to view it.
- Does the report and its appendices, together with the web site, provide sufficient information that subsequent groups can make effective use of the project results?
Yes it does, along with the documentation provided with the code.
- Does the report include clear links to project documentation, programs, and data?
The code and documentation and website does provide clear links, the report does a little bit as well.

Web site

- Does the web site reflect the scope and accomplishment of the project?
Yes it does very well.
- Do you wish the web site to remain password protected after May 30? If so, for how long?
No, let it free.

Management

- Were the students fully engaged in the project?

Primarily yes, however there seemed to be some miscommunication between team members which prevented effort at times.

- How often did they meet with you? Was this enough?

About weekly, but mostly just on an as-needed basis. This seemed sufficient generally. At some points more time was needed for meeting and addressing roadblocks, but those were surpassed thankfully due to helpful clinicians and the great persistence of team members!

- Were the “deliverables” and “dependencies” realistic?

The deliverables and dependencies were generally realistic. It can be hard collecting data from clinicians, however, we fortunately were able to collect 11 data sets from residents and medical students. The group worked hard to collect as much data as they were able to in the time provided.

- Was the plan realistic? Were unmet dependencies approached in an effective manner?

Implementing other applications for Mastoidectomy in addition to those for Laminectomy turned out to be much more reliant on time-restricted surgeons and other factors. This plan was postponed for a later research group, and not included here. The Laminectomy portion did turn out to be realistic for the group. Unmet dependencies were overcome through effective communication from the group and impressive diligent efforts.

Other comments or suggestions

- Do you have any other comments or suggestions, either about the specific project or about the overall structure of the course for next year.

This team worked very hard to run segmentations and testing for laminectomy surgery. Their results are quite impressive. The system they helped develop turned out to produce interesting and publishable results.

For other general class comments, see my other mentor report, Team 02.