**Project Schedule and Planning**

**Goal:**

1. Develop clafer testing framework based on Clafer version \_\_\_\_ and \_\_\_\_

2. Be able to run the test works during the demo and find out the compiler related bugs which agree with the known bug documentation from Clafer

3. Good to have UI which prints out where and what is wrong in the compiler

**Tasks:**

1. Get compiler source code and develop basic understanding (2d. continuour)

2. Write basic abstract class for testing?? (2d. continuour)

* test cases will be based on known problems in new version of compiler (works well with old one so we can see if we can find the problem)
* TODO: Show the current test cases -> input models.

3. Start to generate IR.txt from key stages so that we can compare: syntax checking, parsing, generating (3d. continuous)

* syntax checking:
* parsing:
* generating:
* TODO: Get an understanding of the all the stages and how to get the IR from them.

4. Write code (Java? Python?) to do the IR comparision; I found a pearl scripts that handle this. (3d. continuous)

* this code will be used at the end; for testing and implementation phase, let’s use the UI from open source (link: <http://www.freediff.com/> or <http://www.ranks.nl/tools/difference.html>)

5. Once we find the difference, we need to refine the diff\_finder program (7d. continuous)

* eliminate FP due to update in compiler; for instance, the ID is changed..we should ignore this, assuming this is safe
* output the diff to a file; have separate file for different compilation stage
* UI

6. Revise and debug (continuous)

Some tasks can be carried on concurrently, but for serial case, we need 17 days at the least to finish this project, which is by Nov, 23. Let’s do it!