

**Project topic:** Tool *Paradyn* and ASCII Benchmark *Aztec*

- Solved issues:
  - Vikram and Raj: Installed Paradyn binary as per instructions given in installation guide on [http://www.paradyn.org/paradyn\\_manuals/installationGuide.pdf](http://www.paradyn.org/paradyn_manuals/installationGuide.pdf)
  - Vikram and Raj: Ran the bubba\_seq sample program under paradyn as per the instructions given in [http://www.paradyn.org/paradyn\\_manuals/tutorial.pdf](http://www.paradyn.org/paradyn_manuals/tutorial.pdf) on the class cluster setup.
  - Vikram and Raj: Downloaded the Aztec 2.0 source from [http://www.cs.sandia.gov/CRF/Aztec\\_download.html](http://www.cs.sandia.gov/CRF/Aztec_download.html) and installed it as per the instructions given in the Install file on the class cluster configuration.
  - Vikram and Raj: Ran the tutorials as per Aztec documentation on the class cluster setup.
  - Vikram and Raj: Read Paradyn documentation in terms of the papers [The Paradyn Parallel Performance Measurement Tools](#) and [MDL: A Language and Compiler for Dynamic Program Instrumentation](#) listed on <http://www.paradyn.org/papers/>
  - Vikram and Raj: Read Aztec documentation in the form of the paper “**Official Aztec User's Guide: Version 2.1**, R. S. Tuminaro, M. Heroux, S. A. Hutchinson, and J. N. Shadid, December, 1999.” listed on [http://www.cs.sandia.gov/CRF/Aztec\\_pubs.html](http://www.cs.sandia.gov/CRF/Aztec_pubs.html)
  
- Next steps:
  - Vikram and Raj: Run the decomp\_MPI sample program under paradyn as per the instructions given in [http://www.paradyn.org/paradyn\\_manuals/tutorial.pdf](http://www.paradyn.org/paradyn_manuals/tutorial.pdf) on the class cluster setup.
  - Vikram and Raj: Run the Aztec tutorial programs under Paradyn and find the bottleneck portions in the code.
  - Vikram and Raj: Use the techniques learnt in class to try to make changes to sample Aztec tutorial program as well as Aztec library itself. Run it again under Paradyn and quantify performance improvements if any.

All the milestones listed in next steps need to be completed by the deadline for the final project report.