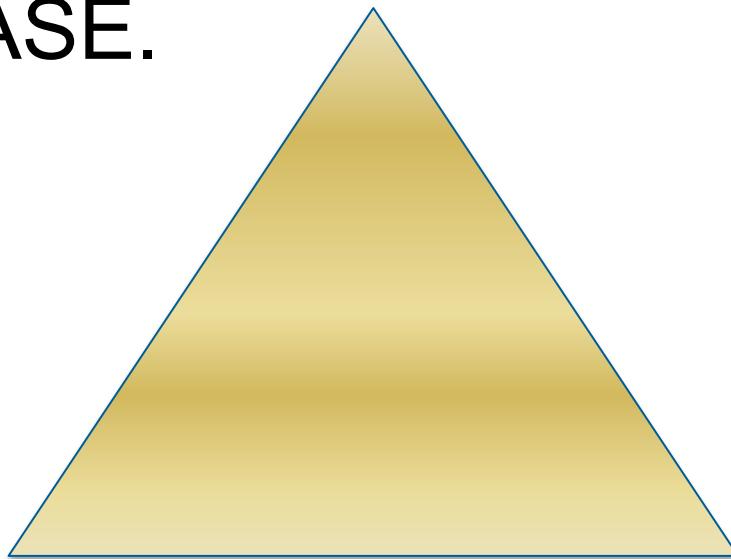




# Quality Assurance

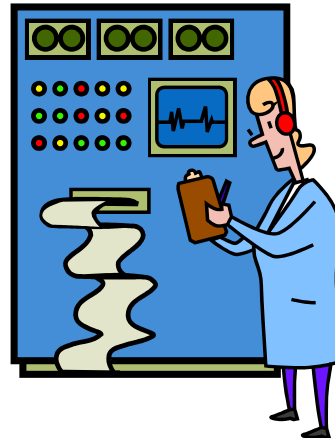
- People: Quality Organization.
- Processes: Standards.
- Tools: CASE.





# Quality Functions

- Configuration Management.
- Testing.
- Software Quality Assurance.





# Standards

- IEEE Standards.
  - [http://cs.hbg.psu.edu/cmppsc487/IEEEStds\\_List.htm](http://cs.hbg.psu.edu/cmppsc487/IEEEStds_List.htm)
- ISO Standards.
  - [http://www.iso.org/iso/home/store/catalogue\\_tc/catalogue\\_tc\\_browse.htm?commid=45086](http://www.iso.org/iso/home/store/catalogue_tc/catalogue_tc_browse.htm?commid=45086)





# Tools

- CASE – Computer Aided Software Engineering.





# Summary

- Definitions:
  - Software Quality.
  - Achieving quality.
  - Assuring quality.
  - Return on Investment (ROI).
  - Failures, defects, errors.
  - Classifying defects and errors.
  - Finding, fixing, and preventing defects.
- The quality triangle: People, Processes, Tools.
- Quality Assurance: Quality functions, Standards, and Tools.