EVOC Proposal.

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Title: Piglit for OpenMAX

Synopsis: Working on mesa OpenMAX to make to make it more robust with latest gstreamer-omx. Develop automated test frameworks for a variety of gstreamer-omx pipelines to find bugs and regressions. May extend to also fixing some technical bugs.

Technologies/Skills involved: Programming languages such as C, Python, Knowledge of OpenMAX/mesa, development of unit and system tests.

Deliverables: Develop a variety of test frameworks for gst-omx pipelines to make it easier to conduct unit and system testing to catch regression and find bugs in code.
1) Investigation and requirements analysis [2 weeks]: Find all the requirements for the development of automated test framework.
2) Programming and development [1-2 months]: Coding and development of the framework.
3) Technical documentation [along with coding]: Documentation of the development.
4) Test, review and disseminate. [2 weeks].

Biographical Information:

 1) Education: I am currently an Engineering student based in Mumbai, India. Have contributed as well as implemented a few open source projects.
 2) Skills: I can code in C, Python, Java, HTML, CSS, JavaScript. Some of the projects that i have developed/working on can be found in my github profile. I also have some experience in designing and writing as I have worked in these areas for a technology blog.
3) Other plans: I am a student, so I will be involved with my education and study work. But I can manage enough time [4-6 hours everyday] to work on EVOC project and complete it on time.
4) Published papers: Not published any papers yet, but working on a paper. Will complete and publish soon.