Student Progress Questionnaire

Name: Kalyanaraman Shankari

Semester: spring

Year: 2015

Advisor: Culler, D (r)/Katz, R (r)

Degree Goal: Ph.D.

Major Field: Operating Systems & Networking

Last review: fall 2014

1) **Degree Progress:** What progress have you made towards your degree since your last review?
Please list courses take this and last semester, including grades if completed.
- Completed INFO 232: Applied Behavioral Economics, grade: A
- Completed CS 294: Empirical Data Analysis, grade: A

Currently co-teaching CS 194-27: IT for sustainability, which will also satisfy my 10 hour TA requirement.

2) **Research Progress/Professional Development:** List projects, papers refereed, publications, reports, presentations, conferences, training attended, etc.
Wrote paper on Behavioral Economics Experiment that compares data, game and choice and submitted to CHI WIP.
Rejected due to small sample size and lack of qualitative feedback. Uploaded as EECS TechReport.

Wrote paper on the work done in e-mission so far, and submitted to PerCom. Paper was rejected from the main track and accepted as WIP. Travelled to St. Louis to present related poster and attend PerCom.

Reworked e-mission paper and came up with idea of Participatory Classification. Submitted to Mobisys. Rejected. Uploaded as EECS TechReport.

Submitted position paper along with Sid Feygin from Transportation Engineering to NSF Early Career Workshop on Smart Cities. This was accepted. Attended workshop and CPS week and presented poster and presentation at the workshop.

Worked on ARPA-E grant proposal lead by Alex Bayen (did almost all of the writing).

Attempting to convert the presentation idea from the workshop into an NSF proposal on Smart Cities.

3) **Service:** List services provided to faculty, students, staff, and/or other service activities.

Attended Visit Day lunch and held Visit Day office hours to talk to grad students who are interested in working with David and Randy.

Member of the Mountain View Bicycle Pedestrian Advisory Committee (BPAC).

4) **Self-appraisal:** Overall, how would you
rate your academic progress?
Meets Expectation

Explain:
I think that I am doing pretty well so far in terms of making the research agenda more clear. I think that I will prepare to give the quals next semester.

I am particularly happy about co-teaching the class this semester. It was a huge amount of work, but I think that it really helped me crystallize the key themes for the work, both while preparing lectures, and while coming up with the readings/syllabus. The class discussions with students in the class also helped with breadth and depth.

5) **Stress:** How often do you experience
stress that is an issue for you?
Sometimes

Explain:
I am particularly concerned about the paper rejections.

I have done a lot of system building so far, but I didn't really come to grad school to learn how to build systems. Instead, my goal is to learn how to come up with intellectually insightful ideas, learn how to solidify them in the middle ground between a high level goal and the implementation, and how to communicate them effectively.

I have a feeling that I am not doing so well on those three goals given that all my papers, and all the proposals that I have written so far, have been

rejected.

Of course, this is even more hard because we are working on an inter-disciplinary area, where there has been a bunch of work that is almost, but not quite identical to what we are doing.

But I am 40 years old and was a Staff Engineer at VMware. I should be able to do this....

6) **Time:** My weekly workload schedule is:
Too much

Do you have any large extracurricular
commitments?
yes

Explain:
I have two young children.

I am also active in community advocacy around Bike/Ped issues, and am a member of the Mountain View Bike/Ped Advisory Committee, a volunteer body that provides advice to City Council on non-motorized transport issues.

7) **Work Environment:** If there is anything in your work or research environment that can be changed to improve your well-being or progress, please explain.
(Please leave blank if there are no issues to report)

8) **Advisor:** Do you have any requests or comments for your advisor?
If you are unsure what to discuss, use the Advising Review Checklist.
(Please leave blank if there are no issues to report)

9) **Future Progress:** What progress do you plan to make between now and your next review?
- First, I plan to flesh out the Participatory Classification idea more clearly, backing it up with analysis from our data.
- Second, I plan to clean up some of the ideas from the class, and bolster the testing all through the system to make it more of a real framework.
- Third, I want to finish the data collection piece properly, including an evaluation of the accuracy and power drain, and write it up, possibly for publication.

10) **Funding:** What source of financial support do you anticipate for the next academic year?

AMPlab GSR, unless the grant proposals are accepted.

11) **Anything else you would like to add?**
I am insanely happy about the level of support that I have in pursuing my independent research. This is a very different experience than my first stint in grad school, and I suspect, is fairly unusual.

Faculty Signature_____ **Student Signature**_____

Prelim Exams

Sem	Year	Exam	Score	Pass?
fall	2014	operating systems	6	y

Prelim Breadth Courses

Sem	Year	Area	Course	Grade
fall	2013	cs systems	cs262a	A-

Financial Support

Sem	Year	Type	Sponsor
fall	2013	fellowship	gold
fall	2014	GSR	franklin, michael
spring	2014	fellowship	gold
spring	2015	GSR	franklin, michael

Summary

Prelim requirements met:

Teaching requirement met:

Master's advanced to candidacy:

Ph.D. coursework completed:

Qualifying Exam passed:

Thesis Defense passed:

Ph.D. advanced to candidacy:

Dissertation talk given:

Technical memo filed:

Exit Survey completed:

Ph.D. degree awarded: