== Contact Information ==

Email Address: sraj.arvind@gmail.com

Telephone: +91-9746954559

Blog URL: arvindsraj.wordpress.com

Freenode IRC Nick: dnivra

== Why do you want to work with our team? ==

I am an engineering undergraduate and a Fedora spin aimed at students with all the right open source tools-specially engineering undergraduates, me being one, and I find it very hard to find all the best tools for a task eg: what are the packages to be installed to make for java compiler, what is the best CAD software, . I spent most of the time hunting for the correct package for java, configuring etc etc from a blog only to find that it's possible to do so with just a simple command and no hardwork at all. Blogs do have a good collection of the information but is often not the best suited advice for a given user. And as in the software development, why repeat something that is already done-if somebody's done the task of discovering the packages, why bother repeating the whole process?

== Do you have any past involvement with our team or another open source project? ==

I have worked on and fixed various bugs(http://bugs.launchpad.net/ubuntu/+bug/628758, http://bugs.launchpad.net/ubuntu/+bug/592364, http://bugs.launchpad.net/ubuntu/+bug/656219) in various projects under Ubuntu including harvest and ubuntu-bots. I also have done packaging for Debian-my packaging of openteacher is currently under review(http://mentors.debian.net/cgi-bin/sponsor-pkglist? action=details;package=openteacher).

== Why should we choose you over other applicants? ==

I should be chosen because I am a motivated learner-Ubuntu development involved a very high learning curve, during the course of which I learnt Debian packaging, python, patching, C and version control systems. And me being a student, I should be able to understand what are the needs of a student and hence benefit the creation of this spin very greatly.

== Proposal Description ==

Please describe your proposal in detail.

Include:

* The basic goal of this project is to create a Fedora Education spin, mainly aimed at engineering students so that the students get to know the various open source alternatives that exist to proprietary softwares.

* There exists no such OS for college students. I would like to fill this void. The creation of this education spin would in addition benefit the student community and colleges in general who do not have to spend lot of money in acquiring expensive softwares such as Oracle, Matlab etc. Also, creation of this spin makes it easier for all students in general-no more hunting the internet for hours and hours endlessly trying to find the best open source tool for a task they need.

* The key goals of this project are creating a spin with the following features:

1. Compilers/interpreters for popular programming languages such as C(gcc), C++(g++), Java(gcj), Python(cpython), Perl and perhaps SciPy and NumPy too. Perhaps C, C++, Java could come as plugins for Netbeans IDE(P).

2. QCAD(P), an open source computer aided designing software.

3. Scilab(RP)/GNU Octave(P), which are popular alternatives to MATLAB.

4. Dia(P), a popular alternative to Microsoft Visio.

5. SQLite(P) and MySQL(P), popular open source alternatives to Access and Oracle respectively.

6. Piklab(P), a popular alternative to MPLab.

7. ArgoUML(RP), an alternative for Rational Rose.

8. GNS3(RP), a popular alternative for Cisco Packet Tracer.

9. Games such as Alien Arena(P), Warzone 2100(P), Supertux(P), Supertuxkart(P) etc along with the usual game suite of the chosen desktop environment.

10. Kile IDE(P), mainly used for creating documents, research papers, reports and presentations(using Beamer(RP))

11. Ngspice(RP), an electric circuit simulation software.

12. Audio players including Amarok(P) and Tomahawk(RP).

13. Wikidpad(RP), application for organizing all ideas, list, contacts or notes.

14. Dragon player(P)/Kmplayer(P) as video players.

I went through https://admin.fedoraproject.org/pkgdb/ and found that the packages marked RP require packaging. Hence I would be packaging them as well.

* A rough timeline

31st May -> Read RPM packaging maintainers guide and finish packaging of at least one package.

8th July -> Finish packaging those that are not already in the repository.

15th August -> Finish the creation of the spin

* Any other details you feel we should consider

1. University exams from 2nd May to 9th May, followed by a university sponsored training programme for all students till 21stMay.

2. I will be moving this coming summer to a new city.

== Have you communicated with a potential mentor? If so, who? ==

I have been in contact with Ryan Rix, the one who proposed the idea.