

Project Title: HS Ipswich FOSS Training Infrastructure

Aim of the project, including any key stages or milestones of the project

HS Ipswich Inc. has noted an increased demand & interest in FOSS applications, programming, and Linux from both its members, and the general public.

As to address this increase, HS Ipswich Inc. is in the process of designing and implementing a number of workshops, courses and programs that will be available to interested persons in the general public.

Select workshops, courses and programs are in the final stages of development, with the goal of having them delivered as soon as May 2017.

The workshops, courses and programs HS Ipswich Inc. would include, but are not limited to, the following:

- Introduction to Linux,
- Linux Server Administration,
- LAMP Stack,
- Web Dev,
- GIT, and
- Markdown
- Asterisk PABX

All training developed and made available by HS Ipswich Inc. is done so at a very low cost, in order to remove the barriers to entry. Being a Not-for-Profit Incorporated Association, all funds raised through training is diverted back into expanding resources for more opportunities to connect the community with technologies, as well as covering operational expenses such as utilities, rent and insurances.

However, in order to deliver these workshops, courses and programs, HS Ipswich Inc. requires computing and networking hardware, as outlined below:

- 10 x Raspberry Pi 3 IBM IoT Learner Kits @ \$117.36 each
- 3 x TP-LINK TL-SG1008P 8-port POE Gigabit Switch @ \$99 each

This can later be expanded into IOT implementations, MQTT and many other open technologies. Regular 12 monthly or more frequently as deemed by demand rescheduling of the workshops / courses is expected to take place.

All hardware, equipment, tools and resources will be made available for public use outside of planned activities, as to ensure that anyone can start learning & experimenting with FOSS

Milestones:

1. Publish Training Materials / Lesson plans under appropriate Open Licences made available through a version control system
2. Purchase Raspberry Pi's, and switches
3. Initial Image of Pi's as appropriate for first courses
4. Document Image and software used per course add this to the Training Materials
5. Provide first course/(s) Documenting Interest, attendance

How Success will be measured

Success will be measured against:

- attendance to the offered courses / workshops
- Increasing demand for further and repeat workshop offerings
- Increased resource use during and outside of workshops / courses
- Increased Public awareness of the resource availability

Estimated cost breakdown of the project, including any materials, projects or online services that are required to deliver the project. The cost breakdown should include estimates of labour costs and/or professional services

QTY	Supplier	Description	Cost
10	Element 14	Raspberry PI 3 IoT Kit	\$117.36
3	MSY	TP-Link TL-SG1008P 8-Port Gigabit Desktop Switch with 4 POE Ports	\$99.00
Total:			<u>\$ 1,470.60</u>

The project team, their credentials and professional capabilities, especially their history of open source, open data, open hardware or open culture contributions

Robert Manietta | Cause Leader - ICT | HS Ipswich Inc.

FOSS User for approximately 10 years including Linux based PC's & VPS's as well as various donations in various forms to many Open Source projects.

James Harris | President | HS Ipswich Inc.

Founding member and President of HS Ipswich Inc. Over 7 years IT industry experience. Current role as Systems Administrator for a medium-large business (150+ users).

Person responsible for project

Robert Manietta | Cause Leader ICT | HS Ipswich Inc.

A statement including a willingness to provide regular project updates on the project

We are seeking to provide updates regularly on the Raspberry Pi Systems and their use, the training program and materials we will use in the training lab being set up, using various

methods such as;

- ➔ GIT (either Github or Gitlab) Public and Private Repositories.
- ➔ Facebook
- ➔ Twitter
- ➔ Public Websites
- ➔ Associations Website
- ➔ Public and Private Repositories