Tasks

- Details of Online Curriculum on OSS:
    - Modules
    - Courses
- Suggested learning resources for the various courses
- Methods to assess learners

Curriculum Name

- Free & Open Source Software Online Programme (FOSSOP)
- Free & Libre & Open Source Software Online Programme (FLOSSOP)
- OSSOP
- Free Open Source Certification
- Online Open Source Programme
- Open Source Professional (OSP)

Target Audience

- For beginners
  - Starting from scratch
  - Conversion from non-Open Source environment
- Benchmark for each module
  - Proficiency in one compiler programming language only

How long to cover during one course?

- Contact time versus self-learning time
    - 48 hours contact time
    - 6 hours for Bash commands, e.g.
    - 18 hours for Basic OOP using Java

Modules - 1

- Programming Languages
- Web Application Development
- Security
- Operating Systems
- Networking
- Core Technology
  - Databases
  - Operating Systems
- Applications

Modules - 2

- Introduction to OSS
  - History
  - Free Software
  - Open Source
  - Copyright / licensing
  - Creative Commons
  - Software patents

- Operating Systems
  - Kernel
  - Shell

Modules - 3

- Operating Systems
  - Linux, Unix
- Applications
  - Client apps
  - Server apps
  - Mobile apps
  - Games
  - Multimedia
- Programming language
  - C
  - Python
  - ALICE

Modules - 4

- Databases
    - Database design
    - MySQL
- Web Application Development
    - HTML
    - PHP
    - JavaScript
- Information Security
    - What is encryption & decryption?
    - Authentication

Modules - 5

- Business applications:
  - ERP
  - CRM

Certifications

- Complete one module – give certification

From Nara

- Desktops & Distributions

- System Admin & Networking

- Linux Internals & Embedded Linux

- Apache + MySQL + PHP

- Scripting (PHP), middleware, and software development for Web 2.0 frameworks: Symfony & CakePHP

- OSS Business Applications, Enterprise OSS applications like ERP/CRM & Solutions Business

References

- Download and install ILIAS 4 from http://www.ilias.de

- http://www.fing.edu.uy/iie/publicaciones/2008/GA08/GA08.pdf

- http://tinyurl.com/yfuk97h

- kinchew@yahoo.com