

13rd NEAOSS Promotion Forum

Report from WG2

Human Resource Development

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2014-11-20

Wuhan-China

The logo for NEAOSS, featuring the letters in a bold, serif font with a textured, reddish-brown color. The letters are slightly shadowed, giving them a 3D appearance. The logo is positioned in the bottom left corner of the slide.

NEAOSS



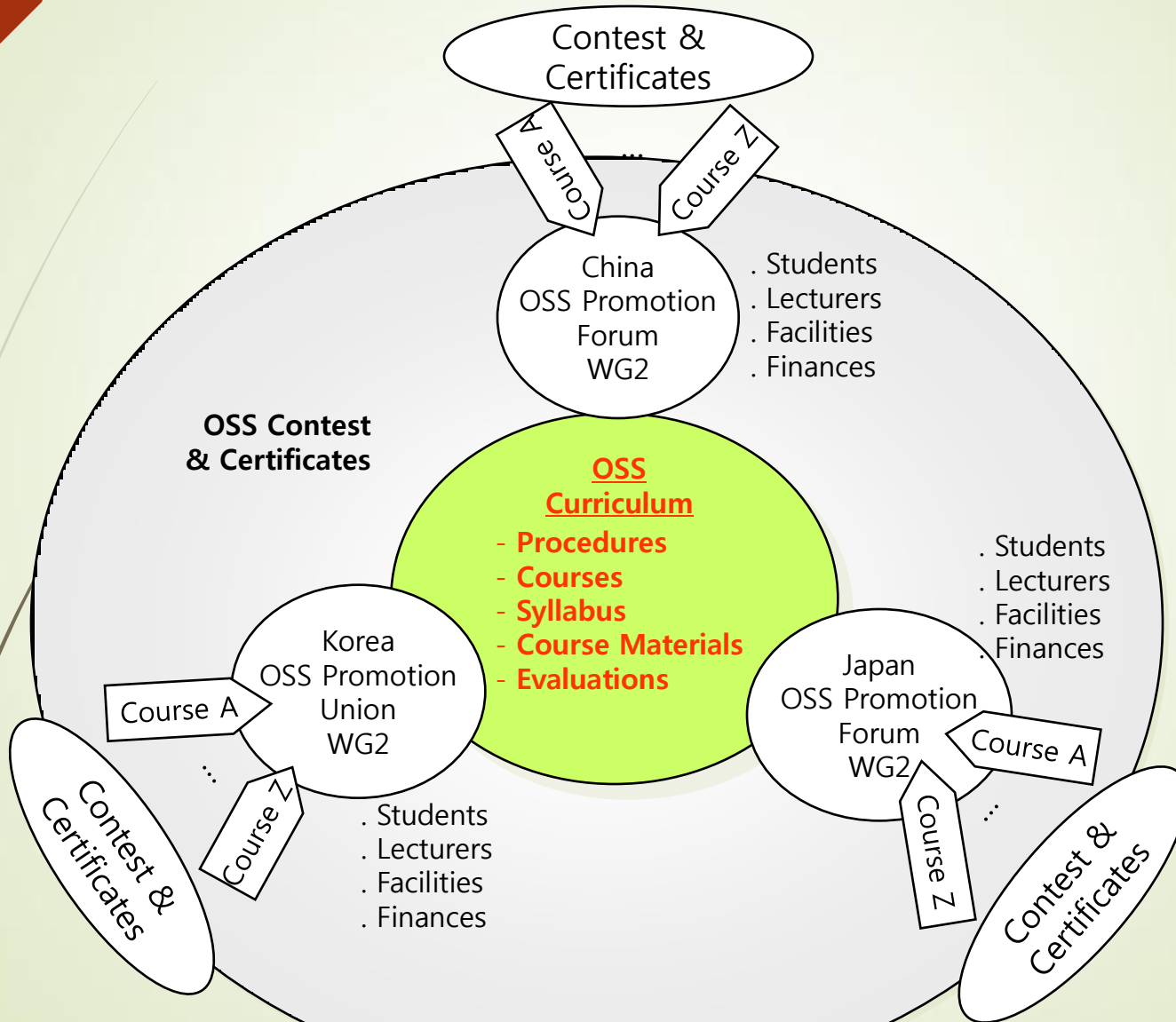
Agenda

- ▶ **Summary of WG2 activities**
 - Sample Curriculum
 - NEAOSS Wiki
 - Training Camp
 - OSS Awards

- ▶ **Brief Summary of CJK Activities**
 - China WG2 work report
 - Japan WG2 work report
 - Korea WG2 work report





- ▶ **Future works of WG2**

NEAOSS WG2 for HRD - Cooperation Framework



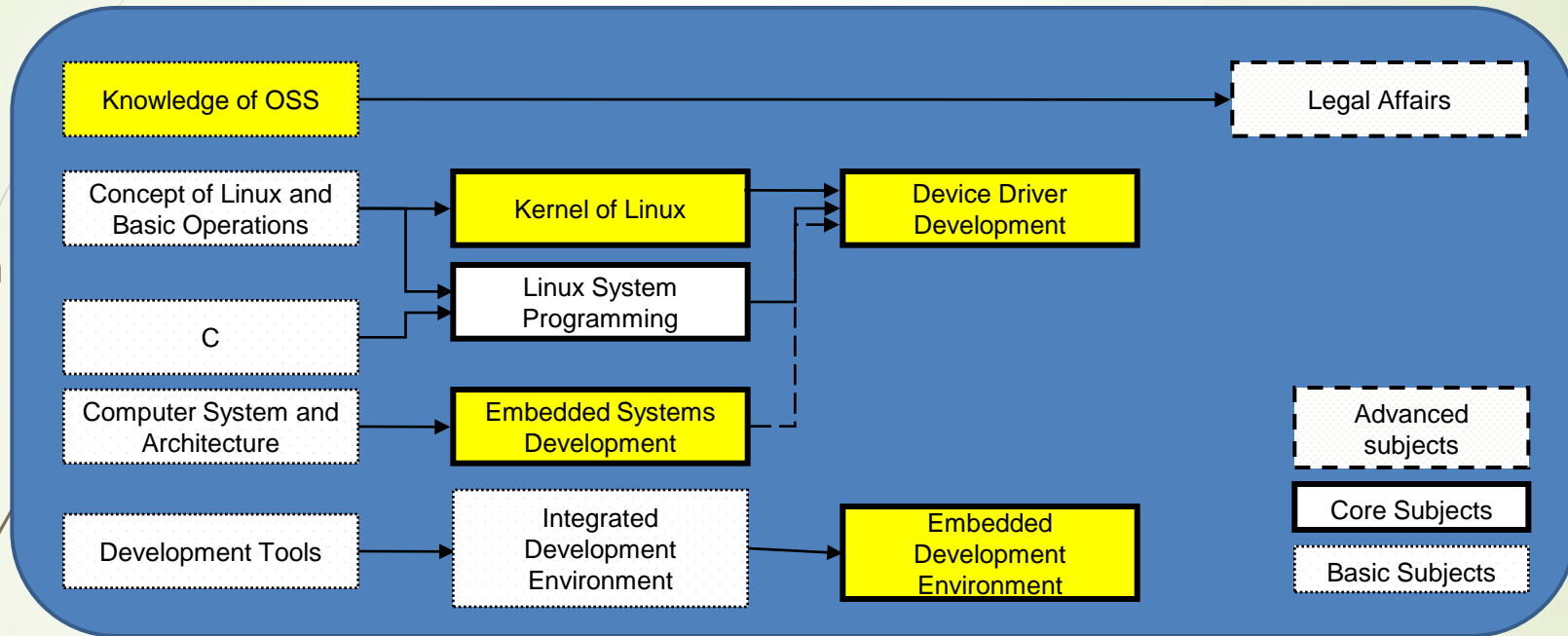
Sample Curriculum

- ▶ **Sample Curriculum defines 9 Skill Categories, 38 Skill-sets**
 - 14 Skill-sets are fully described by end of 2010 and released in 2.0
 - 6 Skill-sets are described in 2011 and to be released in 3.0
- ▶ **Version History of Sample Curriculum**
 - 2008 : 1.0 (for Embedded Software Developers)
 - 2009 : 2.0 (for Web-Based Enterprise Application Developers)
 - 2010 : 2.1 (revised based on the comments from lecturers and industry experts after applying the Sample Curricula to training students and engineers)
 - 2011-now : 3.0 (for System Administrator)
- ▶ **Websites and Wiki ways of cooperation on SC**
 - <http://www.neaossforum.org>
 - <http://wg2.neaoss.org>
 - <http://wiki.neaoss.org>

Skill Category	Skill	Skill Category	Skill
Basic	Knowledge of OSS	Multimedia System	Multimedia Programming
	Legal Affairs		Multimedia Service Platform
	Computer System and Architecture	Development system	Development Frameworks
	System Architecture		Development Tools
Concept of Linux and Basic operations	Integrated Development Environment		
Kernel of Linux	Software Testing		
System	Linux System Management	Security	Fundamental of Cryptography
	Linux System Programming		Network Security
	Network Server Management		OS Security
	Cluster System Architecture	DB	Basic Skills in DB
	Concurrent System Programming		DB system management
	Java EE Application Server		DB Applications Development
	Network Architecture		Embedded SW
Network Management	Embedded Development Environment		
Network Programming	Embedded Application Development		
Java	Embedded System Optimization		
C	Device Driver Development		
Programming	C++	Done → 	
	Script Language	China → 	
	GUI	Japan → 	
	Web Programming	Korea → 	

Sample Courses for Embedded Software Developer

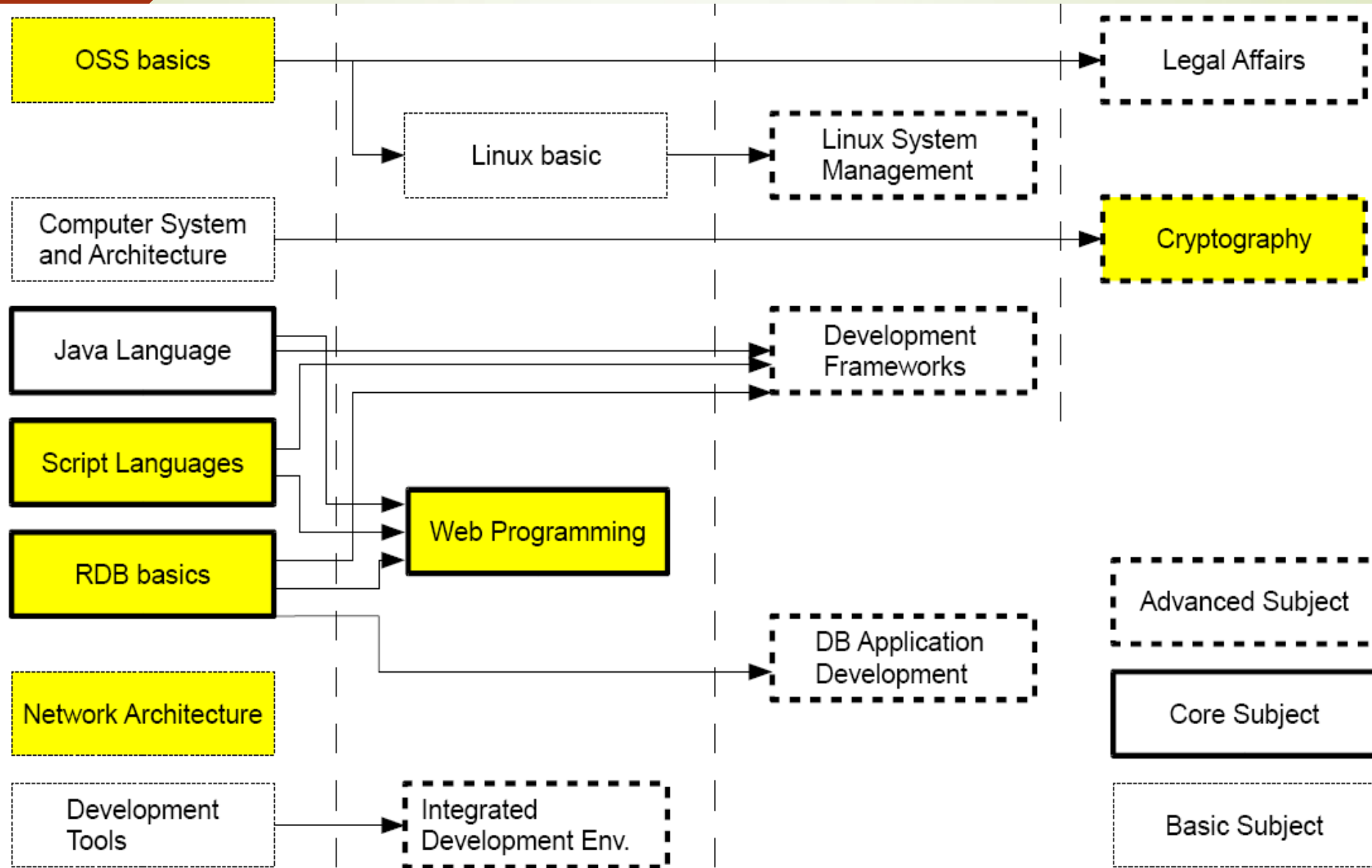
Curriculum



Subjects as selections of units

Knowledge of OSS	Kernel of Linux	Embedded System Development	Device Driver Development	Embedded Development Environment
Introduction (1-1-1-*) History (1-1-2-I) Use of OSS (1-1-8-I) Community (1-1-10-I) OSS sites (1-1-11-II) OSS OS deployment (1-1-12-II)	Introduction (2-2-1-I) Scheduling (2-2-2-I) Interrupt (2-2-4-I) System Calls (2-2-5-I) Process mgmt (2-2-6-*) Memory mgmt (2-2-7-1) File systems (2-2-8-I)	Task and Scheduling (9-1-1-II) Resource mgmt (9-1-2-II)	Linux Kernel (9-5-1-II) Kernel Debug (9-5-2-II) Kernel Config (9-5-3-*) Character Dev. (9-5-4-II) Building Target (9-5-7-I) Kernel Synch (9-5-9-II) Kernel Thread (9-5-10-II)	Project Building (9-2-1-II) Mgmt Project (9-2-2-I) Cross Dev. Env (9-2-4-I) Remote Debugging (9-2-7-I)

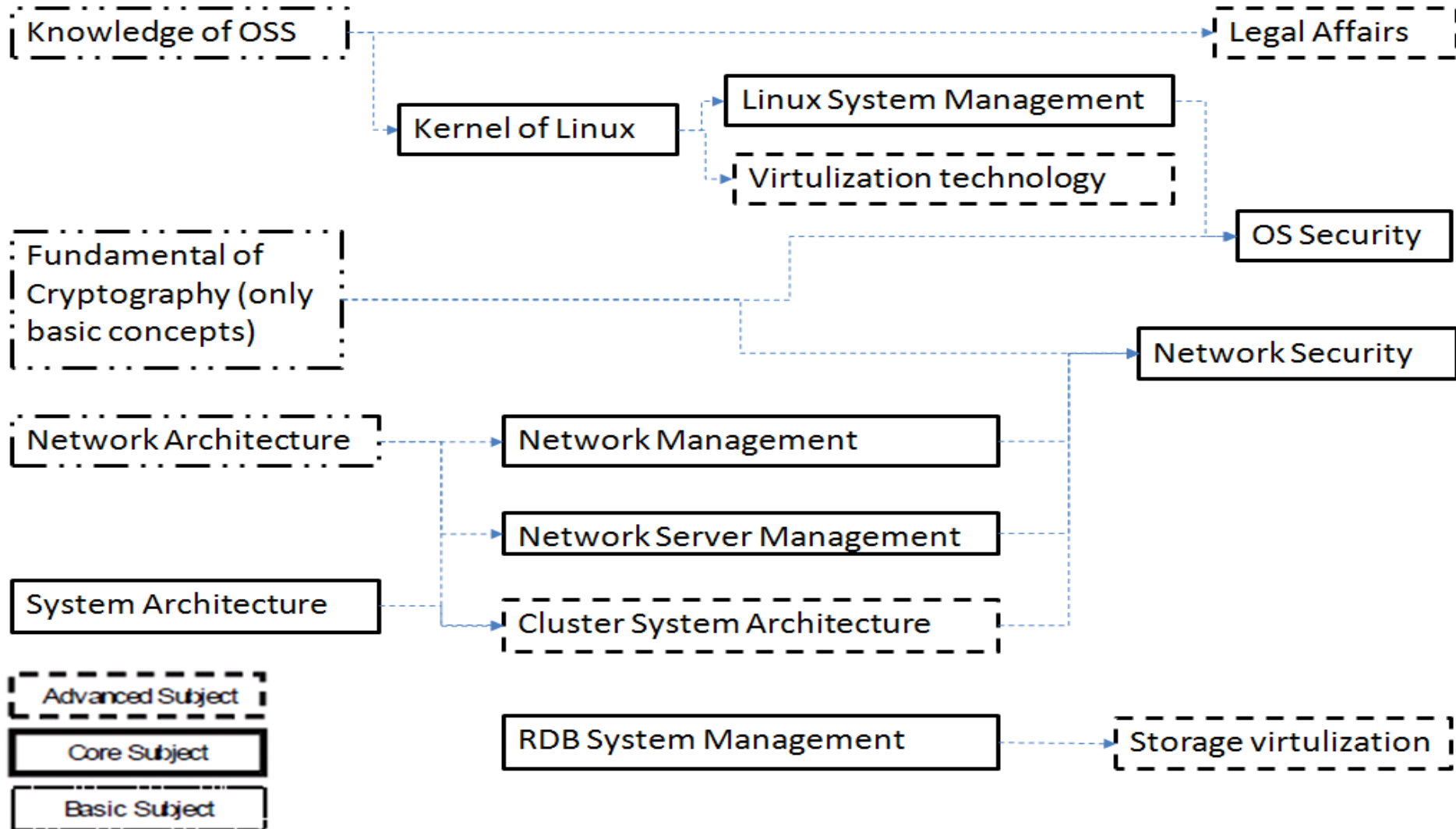
Sample Courses for Web-based Enterprise Application Developer



Sample Courses for System Administrator

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A-3 Sample course for OSS System Administrator



Skill definition form

SKILL CATEGORY NAME	< Name of Skill Category >		SKILL CATEGORY NO.	<N>
SKILL NAME	< Name of the Skill >		SKILL NO.	<M>
TOPICS	LEVEL	DESPRIPTIONS & SUBTOPICS		Topic Code
Topic 1 (has a level II topic with prerequisite >	I	-		-
	II	Objective	< Descriptive objective of the level of topic 1 >	N-M-1-II
		Prerequisite	< prerequisite topic code(s) >	
		- Subtopic 1 ■ Sub-subtopic . ■ ... - Subtopic 2 ■ ...		
III	-		-	
Topic a < has a code shared level I topic, and a level II topic with no prerequisite >	I	Objective	< Copied objective from the shared topic P-Q-r-I >	CODE SHARE P-Q-r-I
	II	Objective	< Descriptive objective of the level of topic a >	N-M-a-II
		- Subtopic 1 ■ Sub-subtopic . ■ ... - Subtopic 2 ■ ...		
		-		
III	-		-	
Topic b < Code shared topic Level I with X-Y-w-I, Level II with X-Y-w-II>	I	Objective	< copied objective from the shared topic X-Y-w-I >	CODE SHARE X-Y-w-I
		Prerequisite	< copied prerequisite codes from shared topic X-Y-w-I >	
	II	Objective	< copied objective from the shared topic X-Y-w-II>	CODE SHARE X-Y-w -II
	III	-		-

NEA OSS Wiki

- **WG2 established and improved 'NEA OSS wiki'**
 - promote, share and improve the Sample Curriculum
 - gathering common and practical knowledge from world-wide OSS experts
- **<http://wiki.neaoss.org/>**

The screenshot displays the NEAOSS Wiki interface. At the top, a green banner reads "NEAOSS Wiki". Below this, on the left, is a search bar with the text "Search this site:" and a "Search" button. Underneath the search bar is a "User login" section with fields for "Username: *" and "Password: *", each with a corresponding input box, and a "Log in" button. Below the login section are two links: "Create new account" and "Request new password".

The main content area shows a page titled "Markup Language for Web Programming" with a "Home" breadcrumb. Below the title is the date and time "Tue, 08/17/2010 - 16:02 — wxj". A large text box contains the following metadata:

- Code No
- Skill Category No: 4
- Skill No: 6
- Topic No: 2
- Level: I

Below this box is the "Objective:" section, which states: "Present the basic Language for Web programming. Describe Web programming using HTML, CSS, JavaScript and XML."

Training Camp

► Two forms of training camp

– common version

- Held at the same time with the forum
- Audience: ordinary OSS enthusiasts
- Aims: to expand the influence of OSS, and attract IT enthusiasts to become OSS enthusiasts

– master version (institutional training camp)

- Audience: OSS high level developers
- Aims: to train senior OSS talents, and provide opportunities for face to face in-depth discussion between advanced developers and masters
- In establishment

Training Camp (common)

- 1st Training Camp : on the 9th NEAOSS Promotion Forum in **Seoul**
- 2nd Training Camp : on the 10th NEAOSS Promotion Forum in **Xi'an**
- 3rd Training Camp : on the 11th NEAOSS Promotion Forum in **Okinawa**
- 4th Training Camp : on the 12th NEAOSS Promotion Forum in **Busan**
- 5th Training Camp : on the 13th NEAOSS Promotion Forum in **Wuhan**
 - 4 hours Special Training
 - Lecturers from famous CJK OSS leaders

CJK OSS Awards

- **CJK OSS Award**
 - OSS Contests
 - OSS dev communities

- **CJK OSS Special Contribution Award**
 - people who have made great efforts and achievements on OSS Promotion in his own country and/or OSS community

- **In the 13th NEAOSS Promotion Forum**
 - the 9th CJK OSS Award
 - the 7th CJK OSS Special Contribution Award

OSS HRD activities – China (1)

- **Open Source China Open Source World Summit**
 - Theme: Mobile, Intelligence, Open Source, Innovation
 - Open Source outstanding figures: 8 persons
 - Excellent Open Source projects: 11 projects
- **China OSS Award 2014**
 - Special Contribution: Naiping Han (China Standard Software Co., Ltd)
 - China OSS Contest 2014
 - Excellent Open Source projects of Open Source China Open Source World Summit
 - Projects from community, enterprises and universities
 - 3 winning projects: Linux Deepin, Druid, Crosswalk

OSS HRD activities – China (2)

- OSS training – from offline to online
 - Open Source Force online study platform
 - 80 courses including cloud computing, big data, IoT, Mobile internet.....
 - 85 thousand participants in the spot, 160 thousand hours total play time covering millions of learners
 - The average cost in 2014 is 1.49/user; the average ARUP is 756; the repurchase rate is 27%

	display amount	browse amount	register number	joining number	secondary spread
2013. 07~2013. 09	500000	5000	500	210	2500
2014. 07~2014. 09	1200000	12000	1200	420	6800

- Other OSS training activities
 - LUPA talent chips projects
 - CSDN summer camp
 -



OSS HRD activities – Japan (1)

- ▶ **Japan OSS promotion forum organize seminar series**
 - OSS application seminar in Jun. 18
 - OSS cloud seminar in Sept. 16
 - OSS seminar for ICT user company in Nov. 10

- ▶ **Japan OSS Award in Feb. 28**
 - Award: Kohei Kaigai, Yui Naruse, Kentaro Hatori and Keiichi Fujino
 - Special: Nobuyori Takahashi(Journalist, deceased)
 - Encourage Award: 8 persons
 - <http://ossforum.jp/ossaward9th2>

OSS HRD activities – Japan (2)

- Total number of LPIC exam applicant is growing and over 238,000 (in 2014.9) in Japan.
- IT seminars and trainings rapidly grow
 - Seminar support web business also grow
- Main places for HRD are changing
 - From “school and OJT”
 - To “Open collaboration and online learning”
- Hackathon and civic tech challenge changes a way to learn and use IT technology.

OSS HRD Activities in Korea (1)

- **OLC (Open Learning Community) Progress**
 - LG, KTDS has decided to depend on OLC for their engineer training.
 - for Core CS subjects, Model Curriculum
 - OLC is seeking more partner companies.

- **Enterprise OSS User Guide**
 - Apache / Tomcat
 - MariaDB
 - CENTOS
 - KVM
 - HAPROXY

OSS HRD Activities in Korea (2)

➔ OSS World Challenge 2014 (KOSSA)

- Domestic Entries 302 / International Entries 64+
- Domestic Awardees 24 Team / International Awardees 3 Team

➔ Open Frontier Lab (MSIP , NIPA)

- Open Source Community and Global Committer
- Listing up all (Developer. User) open source projects
- Find committers, Help them, Inspire them to inspire others
- 1st Members (2013) : Full Time 8, Part Time 7
- 2nd Members (2014) : Full Time 15, Part Time 5, Community 3

Future Works of WG2

- **WG2 Coordinator shift to Japan Smoothly**
 - Japan takes the WG2 coordinator position in 2015
 - Continue to organize regular HRD works
 - Restart multi-threads team work inside WG2

- **Assume two subject-thread-groups**
 - OSS Legal-related curriculum and case-study (Assume Korea Lead)
 - OSS Professional Certificate Exam based on Sample Curriculum 3.0+ (Assume China Lead)

- **Recall more participants from Industry and University for WG2 HRD works**



Thank you very much

谢谢

감사합니다

ありがとうございました

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