MECA PROJECT

EDUCATIONAL CLOUD AND COURSE DEVELOPERS TRAINING MINUTES

Technical University Berlin, 16th-17th March 2017

Participants

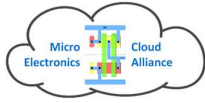See the list of participants

DAY 1: 16TH March

Training by Massimo Rio Roch and Mihai Rainer for the creation of educational Cloud system.

Specification and architecture of the educational mCloud:

- mCloud course administration will be done by each institution delivering it;

- Number of accounts for every institution

- Definition of how many levels we want for the platform depends on the human resources.

- To implement a European educational Cloud system we need an important financing and it could be done only within one project from the Horizon2020.

Common template for the courses was suggested by Slavka and after discussion accepted by the partners:

MECA PROJECT COURSE TEMPLATE

name	title of the course (max 255 chars)
short name/abbr.	if available, the abbreviation should possibly less than 15 chars
course objectives	learning outcomes
description	abstract of the course with some picture if possible
target students	description of the target group with their necessary background
intro	introduction to the course - outline
developed by	name of university, company, and/or person developing the course
evaluation	how the course or modules will be assessed and graduated/certified

For new courses development use the **Moodle template of a book**. Only this one allows for a hierarchical structure of the courses.

It is necessary to have tests for self evaluation and for final evaluation by the teachers.

DAY 2: 17TH March
Educational Cloud design

The course developers presented the activities carried out in the last project months and the results they have achieved including the courses developed.

INSA Toulouse develops only one course instead of minimum two as the other HE partners do. They have to provide one more online course.
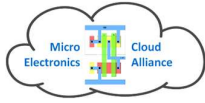
Four of the business partners develop job-related courses:

- INOMA on : "Electronics maintenance in Renewable energies"

- AMG Technology: "Design, Prototype Fabrication and Challenging Applications of Silicon Microsystems with Piezoresistive Feedback"

- INES: ''Silicon Homojunction Solar Cells "

- ASTEL will create a Video Lesson about main criticisms in handling semiconductor devices manufacturing. In this course will be described the design of an optical inspection station of semiconductor wafers.

BME developed interactive courses with a lot of Flash animation:

http://www.ett.bme.hu/meca/Courses/MME/MEMS_5_4.html

http://www.ett.bme.hu/meca/Courses/AIT/6_2.html

Discussion on the use of Flash animation started. The flash technologies and the possibility to integrate them into the learning process were discussed. The conclusion is that the flash technology is a risky decision because the major players on the technological market intend to stop using it at all. Java would be a better solution. But if there are already developed Flash animations and interactive assignments which are very useful as a pedagogical technique we will keep them until Flash technology is maintained.

Quality Assurance

The project evaluator suggested to use for the management the system
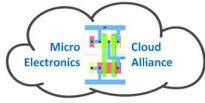3basecamp.com
He will create accounts for all partners.
For the project quality assurance a Group Concept Mapping methodology will be used. The topics on university-business collaboration will be included as well.
The survey for evaluation will be done in June.

ToDo List

- Each university should propose a Web design template for the access point of educational mCloud till 31 of March 2017
- To send the description of the courses (summary (max. 5 lines and main topics (max. 7) for the access point of the educational Cloud
- To provide TUS with the information for the interim report (timesheets for the last 17 months (one timesheet per month!), information, financial tables, employment contracts, pay slips)
- Syllabi from Polito and Astel to be sent to the co-ordinator
INSA-Toulouse should develop one more course
- To provide TUS with the dissemination flyers in national languages
- To send all dissemination materials (links, magazins, brochures, conferences, ISBN, etc.), all scanned documents related to dissemination
- To start using the management system proposed by OUN
- All partners should be involved in the Group Concept Mapping
- To make all tests with mClouds till 30 of May 2017
- To deliver developed courses till 30th of March and final version until 31st May
- QA: benefits for the enterprises and HEIs, (online questionnaire)
- In June it is planned to make the visibility plan

- Check if the web pages on national languages work properly

- Next training section in Bucuresti (Bucharest) on 28th and 29th of September, training seminar: Train the tutors in using the mCloud system