
EURO-MONGOLIAN COOPERATION PROJECT - Modernization for Engineering Education Project

MINUTES OF THE STEERING COMMITTEE MEETING AND TRAINING SEMINAR

Location : Ulan Bator, NUM, e-Library, Conference Hall 502,

Date : 27 June - 04 July 2019

Moderator : Enkhdul Tuuguu

First day : 27th June 2019

Welcome and opening :

- Words of welcome from Professor Ochirkhuyag. B, Vice President of NUM
- Words of welcome and introduction from Professor Enkhjargal. Kh, Vice-President of MUST
- Words of introduction and opening the meeting from Professor Slavka Tzanova, Project Coordinator, Technical University of Sofia



Presentation on project progress :

by Slavka Tzanova, TUS - Project Coordinator

Slavka Tzanova recalls the project's commitments in terms of objectives and deadlines.

She specifies that on the stage of the e-learning development, all the steps and objectives should be already achieved. The new curricula should be ready by the end of June but some of them are not yet ready.

Therefore, she wants to see during the meeting the next steps : preparations to do, financial report, documents to prepare for financial reporting etc.

Another very important point of the agenda will be devoted to the stage of equipment purchase and installment. Each institution concerned will have to do a report and documents in correct form, and will have a talk with the coordinator of the project.

2nd day, 28th of June 2019

Concerning administrative aspects, Slavka Tzanova reminds it is very important each partner to provide the reporting documents in a correct format for reporting to EACEA. The transfer of the next advance will be done only after presentation of correct reporting documents and implementation of planned tasks.

She presented a list of missing documents and documents in the wrong form. She discussed personally what is necessary to be done with each partner and she asked the partners to provide the correct documents as soon as possible.

Slavka Tzanova reminds the objective of the project is to develop new e-learning courses with modular structure for the innovative curriculum and to establish a platform and procedure for knowledge sharing inside Mongolian and European academy and students.

Regarding these objectives and concerning the deliverables, all the material should be ready in October 2020.

22 courses are planned, with 3 innovative laboratories in the partners universities. We have 25 courses already.

And the aspects of dissemination must be worked out: conferences, papers, Facebook, YouTube, social media... to disseminate the results in Mongolia, Asia and Europe.

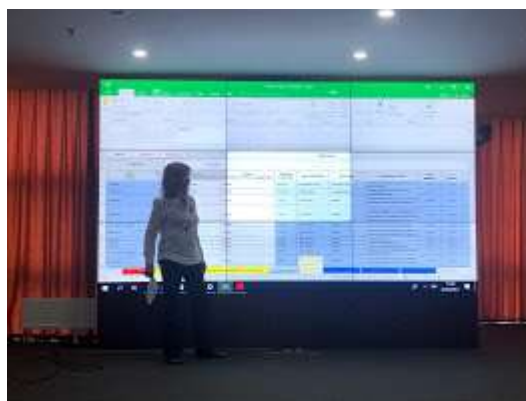
The opinion of authorities, ministries is important to be positive for sustainability of the project results.

Discussion session about finance

Prof Slavka TSANOVA, project coordinator, TUS

Concerning all costs, the reporting documents should be combined in one pdf file wiith name corresponding to the name of the document in the reporting excel table.

Concerning the joint declaration, it should signed by the staff member, the manager, and stamped



Concerning the follow-up of the declaration of days, the form must be the following :

Year / month/ number of days / concrete and detailed task description

The employment contract has to be attached, no translation is necessary for documents in French, and German. The other documents should be translated in English. Payrolls must be attached.

Slavka TZANOVA lists of missing documents of some partners.

Expenses for subsistence costs are eligible including the dates of travel, and the boarding passes, hotel invoices should be added to the signed mobility report.

Slavka TZANOVA reminds of missing documents.

Regarding the equipment costs, only universities of Mongolia are concerned. We are still waiting for evidences : invoices, tendering procedure etc.

Then, a point is made on the issue of the subcontracting costs, which is very important because it concerns dissemination materials, translation... we need invoices, subcontracting agreements and proof of payment, e.g. bank transfer document.

A question is asked : do we need 3 quotations ?

No, the 3 quotations are necessary for more than 20 000 euro.

3^d day, 29th of June 2019

[Presentation on e-learning courses from TU-Berlin](#)

Elena Eingorn said that they could not access Open EdX and they have not uploaded their courses although all other partners have not experienced difficulties with the access to the learning environment.

Sergej Dogadov – ‘Machine Learning’ course

Sergej introduces himself, presents his career, before presenting the content of the course on machine learning.

It is a course that was not a part of the initial list. The Mongolian partners declared their interest in delivering this course.



Slavka said that the project is on the stage of pilot test and only the results related to the project should be presented and not what someone is teaching at his own university.

[Presentation on e-learning courses from Politecnico di Torino](#)

Filippo SPERTINO, Ss associate professor

Presentation of the progress of their contribution : one course is ready and uploaded on line , some others are in progress, and others are scheduled to be realized...

Demonstration of some on-line of videolectures.

Slavka TZANOVA insists that we need supports for students : tutorials, exercises, quizzes... to make the courses interactive and more efficient



[Presentation on e-learning courses from INES – France](#)

Nathalie ARBET, operation director

On the list of 22 e-learning themes, we are committed to four themes :

- Solar resource : the videos are ready to be uploaded on the platform. It will be necessary to add a quiz and a case study on PVGIZ adapted to Mongolia

- Photovoltaics : work in progress
- Homojunction solar cells : work almost finished
- Energy efficiency of buildings : work almost finished

These deliverables will be uploaded on OPENEDEX in September.

A proposal is made about solar thermal but the theme is not very interesting for the Mongolian universities.

[Presentation on e-learning courses from TUS](#)

Elitsa GIEVA

Demonstration of two ready HTML courses in OPENEDEX : Nanomaterials and Design of Digital Integrated Circuits

[Presentation on e-learning courses from NUM](#)

Lodoiravasal Choimaa, Project coordinator of NUM

Presentation of several courses developed by NUM for their new curriculum.

Point about equipment : to send to Slavka all copies of documents: invitation to tender ; invoices etc.

[Presentation on e-learning courses from MUST](#)

Uuganbayar TUMURKHUU, Associate Professor

Presentation about the courses for the new curriculum of MUST.

[Presentation on e-learning courses from NTU](#)

Uuganbayar TUMURKHUU, Associate Professor

Presentation of the courses on line and on progress, presentation of the ppt document.

Progress point on equipment purchase : status finished. The new laboratory will be inaugurated the next day officially.

[Presentation on e-learning courses from TU-Berlin :](#)

Elena Eyngorn presented a PowerPoint presentation on the course Soft Skills for Engineers Curricula. No one of e-learning courses of TU-Berlin is ready. They explained the delay with a problem to access OpenEdX platform.

The next days training seminars on pedagogical aspects of e-learning courses design and on soft skills will be lead by the teachers from TU-Berlin.

DISSEMINATION

Slavka proposed to make a videorecord of the teaching activities, new laboratories etc. and as a good example she proposed the video from another CBHE project in which the participating universities from Kazakhstan made a very good movie on the project results at each participating university. Elena gave the link to this dissemination material: <https://cloud.mail.ru/stock/oLSnFNyZJsRNvXXpfHLYTSij>

At the National Technical University the new educational laboratory financed by EU-Mong project was inaugurated with the participation of the representatives of the government.



The event and interviews with the government representative, teachers from NTU and the project coordinator were recorded and emitted on five Mongolian televisions:

<https://www.facebook.com/TelevisionTv8/videos/678672659225135/>
<https://www.facebook.com/TMCHANNEL/videos/2135272270105604/>
<https://www.facebook.com/tv9mongolia/videos/446405092864952/>
<https://www.facebook.com/SBNMongolia/videos/321374488808391/>

PLANNING OF THE NEXT MEETING :

Next meeting in BERLIN, from Sunday 1st December to Sunday 8th December 2019.

Torino, spring 2020

Last meeting in Mongolia in September 2020



TEACHER TRAINING SEMINARS

4th day, 1st of July 2019

Pedagogical issues of e-learning materials development

Dr Anja Wipper

Presentation on the 4 different ways to approach the blended learning, their advantages, the possibilities offered in terms of pedagogies and creativity for teachers and for students :

- The classical way : theory in class, and e-learning for practice
- The flipped concept : theory in distance learning, practice in class
- Project work : the distance learning is used to follow the creation of the project, to exchange and for the presentation

The presentation is uploaded on the project Web site, Events

5th day, 2nd of July 2019

Introduction to e-learning platform for EUMONG and its set-up process

BY Dr. Lodoiravsal Choimaa, Project Coordinator of NUM

Presentation of the e-learning platform OPENEDEX, its environment, its features, its setup.

OPENEDEX is a Google cloud platform, the package is with charge about 50 \$ per month.

Slavka TZANOVA draws attention that the European Commission asks for sustainability. Now the cost can be paid by the project but what will happen it be after the end of the project. We must consider it

now! The Mongolian partners said that the e-learning platform will be transferred on the local servers of each university. Now it is in on cloud to allow collaborative development of courses.

Then, a demonstration of the different links and interfaces for students, for students followed, explanations about course outlines, creation of courses, uploading of files...



6th day, 3^d of July 2019

Training seminar on soft skills

Elena Eyngorn gave a course Soft Skills for Engineers Curricula.

She made three presentations:

- Effective communication with groups, presentation techniques
- Project Management for the 21st Century
- The Importance of Soft Skills at the
- Labour Market



7th day, 4th of July 2019

Training seminar on the use of e-learning materials for on-line teaching, learners support, interactivity, assessment

Slavka Tzanova made a presentation on the use of e-learning courses. Practical training was done with exemplary on-line courses.



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