

Minutes – Erasmus NanoEI

25-28 June 2018
USN campus Vestfold, Norway

Monday 25, June 2018

10h00-10h20 Welcome and opening the meeting (dean/rector)

10h20-12h45 Results of the interim report. Status of financial reporting, VAT exemption documents, purchase of equipment (Slavka)

Lunch

14h30-17h30 Training seminar on distant/on-line courses pedagogical approaches by Rita Li from Unit for Digitalisation and Education at USN

Tuesday 26, June 2018

09h00-12h45 Peer review of e-learning courses (All)

Lunch

14h30-17h30 Peer review of e-learning courses (All)

Wednesday 27, June 2018

09h00-12h45 Training on Moodle environment and creation of videos with presentations (Jack Barokas)

Lunch

14h30-17h30 Training on Moodle environment and creation of videos with presentations (Jack Barokas)

Thursday 28, June 2018

09h00-12h45 Training on Moodle environment and creation of videos with presentations (Jack Barokas)

Lunch

14h30-17h00 Dissemination, Quality Assurance

17h00-17h30 ToDo list and planning of next meetings

Participants:

See the file List of participants.pdf

Opening words: Prof. Petter Aasen, rector of USN

Presentations on the USN educational and research activities by Kristin Imenes and Knut Eilif Aasmundtveit

Status of interim report, financial reporting

Slavka Tzanova

- The intermediate report was submitted on time but till now we do not have any feedback.
- The financial report was for less than 70% of the advance and we did not require the next installment.
- All partners are required to report their expenses until 15 July because some universities have spent already all money from the first advance and can not pay the work on the next tasks and the travel expenses for the meetings.

The representatives of universities from partner countries declared the new purchase of equipment and some staff costs.

The last reports in the excel table for the report should be sent to Slavka by 15 July 2018.

Peer review of courses in Moodle

Jack Barokas

TAU

Entrepreneurship – 60%

Fabrication methodologies for micro- mammo systems

Advanced Electronic devices – Additional course – will be ready by the end of 2018

Introduction to VLSI design

TUS

Nanomaterials - ready

Nanoelectronics for ICT – ready

Polito

Biosensors – 80%

Memristor technology 90%

Some presentation made with animations with the software Prezi

USN

MEMS Design – at the design stage
Blender and Vlc for video-editing
Vohoscreen for screen capture
Bermer – for slides

Sensor Interface

UM

Nanomaterials and Nanomaterials – content and PPT ready, videos to be done
Materials Characterisation -50%

UTAR

Graphene nanoelectronics: from synthesis to device applications – content ready
Carbo nanotubes and Applications

CTBU

Bio-sensing Microsystem - 35% ready
Top-Down ASIC Design Flow

BIU

Advanced Nanoelectronic Devices 50%, screen capture with voice
Sensing at the nNanoscale 50%, video recording to be done

MU

Raw materials for Nanobiostructures

Bioelectronics-Socioethical and Environmental Aspects

NIIT

Introduction to
Problems from 3 industrial partners

Nanotechnology for Solar Energy Utilization -

Chinese company Panopto offered their services to upload the videos of Chinese universities and to provide good quality

Functional nanostructures – 25%

NanoElectronics Materials – 80% contents

ToDo

Feedback survey – Jack and Slavka

File in Google.doc for the readiness of courses and the plan for the pilot test

Training seminar on distant/on-line courses pedagogical approaches

Rita Li from the Unit for Digitalisation and Education at USN made a presentation and an interactive seminar on interactivity, motivation, feedback, active learning approach, which are mandatory for on-line blended learning.

Training on Moodle environment and creation of videos with presentations

Jack Barokas created one brief lesson on You Tube and the link was sent to all partners.

- Moodle is set up at TAU for the needs of the project.
- Commented on courses structure – outlook, etc.
- Uniqueness is not necessary.
- Example structure of a video course.
- Partners have username and password to access their courses.
- Special structure of MS Excel file regarding users.
- Anyone who wants to use video recordings should contact Jack Barokas.
- Suggested what software should be used.

Practical training on creating educational videos by Jack

All participants in the meeting participated in the practical training and created their own test video in Moodle.

Dissemination

Jack Barokas created You Tube and Facebook pages of the project. He invited all partners to contribute with information and pictures/images.

Kristin Imenes has presented a paper on the need analysis results in EDUCON 2018 conference 17-20 April 2018.

Slavka Tzanova presented the project on the 40th International Spring Seminar on Electronics Technology in Sofia in 10-14 May 2017.

Sustainability

NIIT created a new MSc programme in nanotechnologies with a new curriculum and the use of the courses developed in the project. This outcome is a big success for the project and this new curriculum has not even been planned in the project proposal.

TODO list

- Pilot test: min 20 students/course; 25 students/institution for all courses
- To send back to Slavka the Word file with information on the courses' readiness and pilot test schedule – 6 July
- Questionnaires for the pilot tests, Jack and Slavka – 15 September
- To send to Slavka the last excel table until 15 July
- Leaflet translated in Chinese and Norwegian – 15 July
- Web pages in all partners' languages – 15 March
- To create dissemination materials in the social media – Jack and Hong Li - 15 July
- Next virtual meeting – 9 August, 13:00 Norway, 14:00 Israel and Bulgaria, 16:30 India, 19:00 Malaysia and China
- Next virtual meeting – 25 September, 09:00 Italy and Norway, 10:00 Israel and Bulgaria, 12:30 India, 15:00 Malaysia and China
- Next meeting: Tel Aviv - 12-14 November

Next virtual meeting – August 9, 2018, 13:00 CET

Virtual meeting – September 25, 2018, 09:00 CET

Next meeting - November 12-14, 2018 hosted by Tel Aviv University and Bar Ilan University, Tel Aviv, Israel