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University of Belgrade



Implementation of Dual Education in Higher Education of Serbia

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Faculty of Mechanical Engineering





















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STEERING COMMITTEE MEETING #1 OF THE PROJECT

IMPLEMENTATION OF DUAL EDUCATION IN HIGHER EDUCATION OF SERBIA

MINUTES OF THE MEETING

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Abstract	This report represents the minutes of the first Steering Committee meeting.

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Activity Date: 12/12/2017

Organizer: University of Belgrade

Location: Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia

Present: 12 participants out of 14 with voting rights

- UB - Prof. Dr.-Ing. Nenad Zrnic,
- FHJ – Prof. Dipl. Ing. Joaannes Haas,
- FORMASUP – Dr. Nathalie Leroy,
- UDL - Prof. Dr. Ferran Badia,
- SAN - M. A. Emilie Szczygielska,
- PowMio - Dr. Dejan Ilic,
- BMU - Prof. Dr. Dragan Domazet,
- UNS – Prof. Dr. Mirko Savic,
- UNIKG - Prof. Dr. Nenad Stanisic,
- SUNP - Prof. Dr. Miladin Kostic,
- VISER – Prof. Dr. Goran Diklic,
- Ni-CAT - M. Sc. Goran Mladenovic,

and 15 other participants

Report:

The meeting was opened at 12:45 on Tuesday, December 12, 2017 by the Coordinator of the project Prof. Dr.-Ing. Nenad Zrnic. The venue of the meeting was at the Room 211 at University of Belgrade – Faculty of Mechanical Engineering. The topic of the meeting was the Action plan for the first year of the project realization.

Prof. Dr.-Ing. Nenad Zrnic, UB started the presentation regarding the Action plan for the first year of the project realization. He stated that the work plan from project application needed to be changed. Namely, the original plan was to have the kick off meeting in the first one of two weeks after the beginning of the project (15/10/2017). However, the Grant Agreement with the Agency was signed and the first installment was received in November 2017. Accordingly, some activities from original work plan need to be postponed since we are now at the second month of the project. The working material for work plan changes will be the new work plan that Prof. Dr. Dragan Domazet, BMU proposed.

Action plan for WP 1

Meeting in Brussels will be on 29-30 January 2018 and financial guidlines will be available afterwards. The study visits to EU partners can start from the second half of the February 2018. Accordingly the following action plan was suggested:

WP Num.	WP Leader	Activity Leader	Del. / Act. Ref. N°	Activities (as indicated in the LFM)	Total duration	O 1	N 2	D 3	J 4	F 5	M 6	A 7	M 8	J 9	J 10	A 11	S 12
WP1: PREPARATION - RESEARCH AND NEEDS ANALYSIS																	
WP1	FOR	FOR	1.1.	Analysis of EU practices and experiences	24			2X=	4X=	4X=	4X=	4X=	4X=		Sumer Holiday		
		FHJ	1.2.	5 Study visits to EU partners	5					1=	2=	1=	1=				
		BMU	1.3.	Survey of company needs for DHE in Serbia	24			4X	4X	4X	4X	4X	4X				

All institutions (FOR, FHJ, BMU) accepted their roles as task leaders.

Regarding task 1.1 Dr Zarko Miskovic, UB asked Dr. Natalie Leroy, FOR as activity leader to delegate the tasks regarding analysis of dual higher education in certain countries (from EU and worldwide) to other partners. FOR should prepare the final report regarding analysis by the end of the May 2018. Prof. Dr. Nenad Stanisic asked to include the analysis of legal framework for dual higher education as well, and all partners agreed. Prof. Joaannes Haas, FHJ noted that one of the most interesting practices in dual higher education is in Hungary.

It has been decided that the study visits to EU partners would be held in the following months:

- Graz – February 2018
- Lleida – March 2018
- Lille – March 2018
- Lodz – April 2018
- Karlsruhe – May 2018

The final dates of study visits from task 1.2 will be mutually arranged. Partners from Serbia will send the proposal. Based on his previous experience, Prof. Joaannes Haas, FHJ proposed that it would be good to bring along representatives from companies to visits. This is feasible for visit to Graz since traveling by bus can be arranged.

For activity 1.3 BMU should provide questionnaire which partners from Serbia will distribute to the companies they collaborate with. These questionnaires will serve as a basis for generation of final report. Dr Nathalie Leroy, FOR will provide an example of questionnaire to BMU.

Action plan for WP 2

The following action plan for WP 2 was proposed:

WP Num.	WP Leader	Activity Leader	Del. / Act. Ref. N°	Activities (as indicated in the LFM)	Total duration	O 1	N 2	D 3	J 4	F 5	M 6	A 7	M 8	J 9	J 10	A 11	S 12
WP2: DEVELOPMENT - Flexible and generic Dual Higher Education Model (DHEM) for Serbia																	
WP2	BMU	BMU	2.1.	Development of a flexible and generic Dual Higher Education Model for Serbia	24							4X	4X	4X	4X	4X	4X
		BMU	2.2.	Conference on DualEdu added value on industrial sector	2								2X	4X			
		BMU	2.3.	Discussion Forum on the proposed DHEM model with key stakeholders and policy makers	4											2X	4X

and all institutions agreed with it.

Regarding the tasks 2.2 and 2.3 Prof. Dr. Dragan Domazet, BMU proposed to have Conference on DualEdu added value on industrial sector in Nis in June 2018 and Discussion Forum on the proposed DHEM model with key stakeholders and policy makers in Belgrade in September 2018. His proposal was accepted.

Prof. Joaannes Hass, FHJ suggested to invite to the Conference on DualEdu added value on industrial sector somebody from industry from another country that has experience in dual higher education, preferably someone who works as industrial mentor. Prof. Dr. Dragan Domazet, BMU raised the issue of the budget for the visit, but all partners agreed to thoroughly consider this suggestion. Prof. Joaannes Hass, FHJ proposed to explore the possibility of finding financing from Austrian Chamber of Commerce for this visit.

Proposed action plan for WP 3:

WP Num.	WP Leader	Activity Leader	Del. / Act. Ref. N°	Activities (as indicated in the LFM)	Total duration	O 1	N 2	D 3	J 4	F 5	M 6	A 7	M 8	J 9	J 10	A 11	S 12
WP3: DEVELOPMENT - Creation of Legal and Other Conditions for Implementation of DHE in Serbia																	
WP3	**UKG**	**MEST**	3.1.	Creating amendments to the Law on Higher Education of Serbia	72							**4X**	**4X**	**4X**	**4X**	**4X**	**4X**
		UKG	3.2.	Creating amendments to the Labour Law	72							**4X**	**4X**	**4X**	**4X**	**4X**	**4X**
		UNS	3.3.	Creating amendments to the Accreditation Standards	72							**4X**	**4X**	**4X**	**4X**	**4X**	**4X**
		NCHE	3.4.	Discussion forum on draft proposals of ammendments	8												
		UKG	3.5.	Creating recommendations to HEIs in Serbia how to implement DHE	24												

There was a discussion regarding postponing the start of activities 3.1-3.3, but it was decided to start these activities in the seventh month of the project and to extend them by the month 18 of the project. Prof. Dragan Domazet, BMU proposed to change the task leader of task 3.3 to UNS since colleague from Novi Sad is a member of Accreditation Committee.

All institutions agreed with the proposed action plan for WP 3.

Action plan for WP 4:

WP Num.	WP Leader	Activity Leader	Del. / Act. Ref. N°	Activities (as indicated in the LFM)	Total duration	O 1	N 2	D 3	J 4	F 5	M 6	A 7	M 8	J 9	J 10	A 11	S 12
WP4: DEVELOPMENT - Pilot testing of the flexible and generic DHEM																	
WP4	VISER	UB	4.1.	Identification and conceptual definition of specific DHEMs	8												4X
		BMU	4.2.	Presenting specific DHEMs to companies and making agreements for participation	8												
		VISER	4.3.	Planning of pilot testing of specific DHEMs	8												
		VISER	4.4.	Development of training materials	48												
		VISER	4.5.	Pilot implementation and testing of specific DHEMs	80												
		UB	4.6.	Purchase of equipment	36							2X	2X	2X	2X	2X	2X
		VISER	4.7.	Analysis of the results of pilot testing	12												

At the proposal of Dr. Zarko Miskovic, it was agreed to change the task leader for task 4.6 – purchase of equipment to UB.

All partners agreed with the proposed action plan.

Ms. Sofija Dukic, NEO, emphasized that it was necessary to link the equipment to the objectives of the project, i.e. to the pilot testing.

Prof. Dr. Dragan Domazet, BMU reminded that it was expected that each HEI from Serbia should run at least one pilot testing.

Action plan for WP 5

WP Num.	WP Leader	Activity Leader	Del. / Act. Ref. N°	Activities (as indicated in the LFM)	Total duration	O 1	N 2	D 3	J 4	F 5	M 6	A 7	M 8	J 9	J 10	A 11	S 12
WP5: QUALITY PLAN - Quality Assurance and Monitoring																	
WP5	FHJ	FHJ	5.1.	Creating quality and evaluation strategy and project quality monitoring	12	4X=	4X=	4X=	4X=	4X=							
		SUNP	5.2.	Preparation of the interim evaluation report	4												
		SUNP	5.3.	Preparation of the final evaluation report	8												

Prof. Joaannes Haas, FHJ stated that FHJ would develop questionnaires to ask every partner to state their expectations.

Action plan for WP5 was agreed by all partners.

Action plan for WP 6

WP Num.	WP Leader	Activity Leader	Del. / Act. Ref. N°	Activities (as indicated in the LFM)	Total duration	O 1	N 2	D 3	J 4	F 5	M 6	A 7	M 8	J 9	J 10	A 11	S 12
WP6: DISSEMINATION & EXPLOITATION - Dissemination and Exploitation of Results																	
WP6	UNS	UNS	6.1.	Defining dissemination and exploitation plan	20			4X	4X								
		UNS	6.2.	Preparation of dissemination products	36	1X	1X	1X	1X	1X	1X	1X	1X	1X	1X	1X	1X
		UNS	6.3.	Preparation of the interim dissemination and exploitation report	4												
		UNS	6.4.	Preparation of the final dissemination and exploitation report	8												
		UB	6.5	Final Conference	4												

Prof. Mirko Savic, UNS asked for help from BMU regarding preparation of dissemination products since BMU had Design Department, and Prof. Dragan Domazet, BMU agreed.

All partners agreed with the action plan for WP 6.

Action plan for WP 7

WP Num.	WP Leader	Activity Leader	Del. / Act. Ref. N°	Activities (as indicated in the LFM)	Total duration	O 1	N 2	D 3	J 4	F 5	M 6	A 7	M 8	J 9	J 10	A 11	S 12
WP7: MANAGEMENT - Project Management																	
WP7	UB	UB	7.1.	Overall project management	36	1X	1X	1X	1X	1X	1X	1X	1X	1X	1X	1X	1X
		UB	7.2.	**5 Steering Committee meetings**	3			1X							1x		
		UB	7.3.	**7 Local Commitee meetings**	4									1X			1X
		UB	7.4.	Monitoring and internal coordination	36												
		UB	7.5.	Preparation of Final report	12												

By the proposal of Prof. Joaannes Haas, FHJ and after the discussion, it was agreed to have the second Steering Committee meeting in July 2018 in Kragujevac. Prof. Nenad Stanisic, UNIKG agreed with organizing SC 2, and Prof. Nenad Zrnic offered that UB would organize the transfer from Belgrade to Kragujevac for representatives of EU institutions.

The following meetings will be held in year 1:

- Belgrade SC 1, 11-12/12/2017.
- Kragujevac SC 2, xx/07/2018.
- Nis LC 1, xx/06/2018 along with Conference on DualEdu added value on industrial sector
- Belgrade LC 2, xx/09/2018 along with Discussion Forum on the proposed DHEM model with key stakeholders and policy makers

All partners agreed with the proposed action plan for WP 7.

Ms. Olivera Mijatovic, UNIKG raised the issue if the amounts that partner institutions would receive from the first installment would be enough to cover all travel costs. After thorough

discussion, it was concluded that it would be necessary to carry out the simulation of the costs and incomes for each partner and to find out the best solution with UB management if the problem existed.

Meeting concluded at 13:45.