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Strengthening capacities for the implementation of dual education in BH higher education (DUALSCI)

Report of working groups for WP3 and WP4

15/04/2021

(LC meeting 02 Zoom, 15.04.2021)



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Deadlines:

4.1	Description and concept of the specific dual models of HEIs	30/04/2021
4.4	Plan for pilot testing of the specific dual of HEIs	14/06/2021
3.1	Amendments to the cantonal/entity laws on higher education and creating of draft laws on dual education of involved entities/ cantons	14/06/2021
3.2	Amendments to the Labour Laws	14/06/2021
3.3	Amendments to the Accreditation Standards	14/06/2021
3.4	Discussion forum on draft proposals of amendments	14/06/2021
3.5	Recommendations to HEIs in Bosnia and Herzegovina on how to implement DHE	14/06/2021

University of Sarajevo / UNSA

- Cooperation with the respective ministry: Relationship with the ministry should be successful since professor from the Faculty of Economics, Melika Husić – Mehmedović is the minister.
- Status of dual education in the Law on HE: In the new law there will be an article dedicated to dual education. There is an idea at the ministry to establish the special committee (companies, ministry, and university) with the task to create the rulebook about the dual education.
- Status of pilot study programs:
 1. Dental hygiene (existing program, in Serbian and English) / Prof. Gojkov as representative. They will survey the employers; possibility of online teaching.
- Cooperation with the companies: No information at this point.
- Development of specific model: The working group will deliver the proposal until the deadline (30/04/2021).

University of East Sarajevo / UES

- Status of dual education in the Law on HE: The idea is not to make special law on dual education. All strategic documents are mentioning dual education already.
- Status of pilot study programs:
 1. Health care (existing study program); 20 students on different years of study.
 2. Forestry (existing study program) / representative professor Marko Gutalj, also representative in the council of HE in RS. The students have annually 120 hours of internship at 2nd, 3rd and 4th year of study. It is possible to modify the program and increase the number of hours in the company. Covid19 pandemic is complicating the situation. Pilot will be conducted with the students of 2nd year (10-15 students).
- Cooperation with the companies: Branches of "Šume Srpske" – state company for forestry, branch in Vlasenica. There is a question of student assurance in the contracting documents. Branches have expressed the readiness to pay the wage to dual students. Additionally, dual education has been recognized by local governments.
- Development of specific model: The working group will deliver the proposal until the deadline (30/04/2021).



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University of Zenica / UNZE

- Status of dual education in the Law on HE: The current cantonal Law does not mention dual education. The proposal about introduction of dual education in the Law is delivered to the ministry. According to professor Petković, the proposal of Law on dual education in HE is finished and currently they are waiting for stakeholders to give the opinion. Afterwards, the proposal will be presented to project consortium.
- Status of pilot study programs:
 1. Health care (existing program)
 2. Physiotherapy (new program)
 3. Engineering design in wood processing (existing)
 4. Machine Engineering (existing, around 30 students)
- Cooperation with the companies: Significant number of meetings was held, especially related to Machine Engineering (Fankstahl Vitez, GS TMT Travnik, Kimtech Vitez, Domus Aredi Zenica, Empress Zenica, TPS Zenica etc.). The companies are positive about dual education. There is internal forum of stakeholders at university. At the conference in Neum there will be two papers presented about dual education. There is a problem of student insurance.
- Development of specific model: The working group will probably deliver two proposals until the deadline (30/04/2021).

University of Mostar / UOM

- Status of dual education in the Law on HE: Lucijana Boban, Quality coordinator at UOM, have got the instructions from the ministry that the Law on HE will not be modified, but the Law gives significant autonomy to HEIs. For the new study program, HEIs do not need any approval from the ministry. It is enough to have the approval of the university senate. Dual education must be defined by internal acts. The ministry will send the written approval.
- Status of pilot study programs:
 1. Machine engineering (existing program with 10-15 students).
 2. Computer Science (existing program). There is a course named "Project" at all three years of study in different volumes, and it will be used to send the students to employers.
- Cooperation with the companies: Many companies do not understand the meaning and significance of dual education. Additional effort is necessary for promotion of dual education among employers.
- Development of specific model: The working group will deliver the proposal until the deadline (30/04/2021). The proposal is for companies to give stipendium to students, from the funds given by the ministry.

Recommendations

- Žarko Mišković, representative of University of Belgrade, shared the experience from Serbia. He reminded the partners about necessity to **UPDATE THE INTERNAL ACTS** at every institution when it comes to dual education: statute, rulebooks, etc.
- It is necessary to establish the **MINIMUM WORKING HOURS** annually in company for dual students. Goran Dikić, representative of The School of Electrical and Computer Engineering of Applied Studies, mentioned that in their pilot dual study program the number of hours in company was 1080 hours for three years.



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- Elements of **CONTRACTING DOCUMENTS** between HE institution and employer and HEI and students can be found at the following link:
<https://dualedu.ef.uns.ac.rs/index.php/download/summary/4-additional-documents/146-4-1-specific-dhem-developed-at-viser-v3-0-english-version-pdf>
- Accreditation standards in BIH should be discussed at national level since this is mutual for all partners. One joint report about relation between dual education and current accreditation standards is necessary.
- Accreditation standards in Serbia are available at the following link (in Serbian, dual education is standard 17):
<http://www.pravno-informacioni-sistem.rs/SlGlasnikPortal/eli/rep/sgrs/drugidrzavniorганиorganizacije/pravilnik/2019/13/7/reg>
- Every academic partner in BIH should organize a **MEETING WITH RESPECTIVE MINISTRY** in order to inform them about the work of working groups.
- Professor Aida Hodžić (UNSA) mentioned the issue of student transfer from one study program to another.
- It is necessary to analyse the Labour law, but if it is possible, to avoid any changes in it. In the case of UES professor Radislav Lale will do the analysis.
- Specific models of dual education, among other elements, must include the template of contracting documents, plan for education of mentors, and recommendation about the payment of dual students while working in the company.

Novi Sad, 17/04/2021

Professor Mirko Savić