



University of Niš

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**Improvement of Product Development Studies in Serbia And  
Bosnia and Herzegovina**

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Engineering

## Meeting of Project Management Committee (PMC)

**Activity date:** 16<sup>th</sup> September 2015

**Organizer:** University of Niš, Niš, Serbia

**Location:** Faculty of Mechanical Engineering

**Present:** 17 participants with voting rights

UNI - Prof. Dr. Vojislav Miltenović, coordinator

UB – Prof. Dr Radivoje Mitrović

UNIKG – Prof. Dr. Mirko Blagojević

UNS – Prof. Dr. Siniša Kuzmanović

UES – Prof. Dr. Biljana Marković

SVEMO – Doc. Dr.-Ing. Adisa Vučina as replacement of Prof. Dr.-Ing. Milenko Obad

UNIBL - Doc. Dr Milan Tica

KIT – Dipl.-Ing. Norbert Burkardt as replacement of o. Prof. Dr.-Ing. Dr. h. c. Albert Alber

TUS – Dr. Sanel Purgić as replacement of Prof. Dr. Stefan Stefanov

STU – Dr Jozef Bucha as replacement of Assoc. Prof. Dr.-Ing. Marian Poloni

VTSNI – Mr.-Ing. Miloš Ristić

VTSSPO – Prof. dr Dobrivoje Jovanović

VZSSS - Prof. dr Branislav Gavrilović

VTMSSS – Mr.-Ing. Goran Mihajlović

CTL – Mr.-Ing Miltenović Djordje

GF – Dipl.-Ing. Vojkan Nojner

NES – Sandra Skumpija

and 8 other participants

### Report:

The meeting was on Wednesday, 16<sup>th</sup> September 2015. The venue was Faculty of Mechanical Engineering in Niš. Prof. Dr.-Ing. Vojislav Miltenović opened the meeting and greeted participants. He invited Vice-Rector of University of Niš to greet participants. Vice-rector Prof. Dr. Vesna Lopičić thanked to coordinator. She greeted participants on behalf of University of Niš and wish welcome and successful work on project. She thanked to all participants for coming and giving a contribution

to successful realization of IPROD project. Prof. Dr.-Ing. Vojislav Miltenović thanked to Prof. Lopičić, and invited Dr.-Ing. Milan Banić to present Report on project realization and regular project management, in the name of project coordinator.

Dr.-Ing. Milan Banić thanked to Prof. Miltenović and start with presenting. At the beginning, he said that representatives from all Universities, five from Colleges of applied sciences and one from industrial sector are on the meeting as well as representative from National employment service and external expert Mladen Kraljić. He introduced participants with results of previous PMC meeting and Semi-annual meeting of IPM. He presented all activities of work plan. Also, he emphasized that most significant job for all will be finishing the Final and Financial report.

Mr. Banić explain that the greatest delay in finishing the all project activities is Activity 1.4 (Development of structure and content of curriculum in field of Eco-product development at master/specialist and doctoral level) which is performed at University of Banjaluka and activity 2.3 Equipment procurement in Bosnia and Herzegovina. He invited Prof. dr Milan Tica to explain the situation. Prof. Dr Milan Tica thanked Mr Banić and start to explain whole situation of introducing new module in curriculum of University of Banjaluka. He explained that situation in Bosnia is such that they still don't need Accreditation as it is in Serbia and they have licencing process. The great obstical is that they are swiching the system 3+2 (as it is now bachelor + master) to 4+1. He emphasized that the project team has completed the proposals of curricula for the bachelor and master study programs and on 25.03.2015. Department of Mechanics and Construction (Faculty of Mechanical Engineering University of Banjaluka) has adopted the proposals of curricula. For the bachelor study it is Production-construction engineering, and for the master study: Construction engineering. At a meeting of Heads of the Departments, dean and vice deans, there was discussion about all the proposals of Departments and about study programs. In addition to the disagreements over proposals of other Departments, some Departments has expressed disapproval for introducing the new study program Production and Construction Engineering on Bachelor Degree. Proposal for the Master study Construction Engineering was not challenged but the adoption was related to the preparation and adoption of the proposals of other study programs. As institutional coordinator, Mr. Tica have warned several times that the obligations under the TEMPUS IPROD project is adoption of the proposal of the curriculum for the Master studies Construction Engineering within the prescribed period. He noted that the project team and department have done all that is required and that Project Coordinator is informed of these difficulties. During that time, the project team together with partners improves adopted the proposal of Master study program Construction Engineering. Several meetings were held. At the meeting held in May in the framework of the international conference DEMI 2015 in Banjaluka, which was attended by IPROD Project Coordinator, Dean of Faculty of Mechanical Engineering in Niš, Dean of Faculty of Mechanical Engineering in Banja Luka and Institutional coordinator University in Banja Luka, Doc. dr Milan Tica, it was agreed that due to the deadlines defined by the project, that the curriculum of Master study Construction Engineering would be adopted without waiting for the proposals of other study programs. In accordance with the agreement from 30.05.2015, Department of Mechanics and Constructions on 08.06.2015 forwarded a proposal to the Educational and Scientific Council of the Faculty complete elaborate with curricula for adoption. The proposal was not discussed at the session of the Educational and Scientific Council, with the explanation that it can not be considered separately and that it must be wait for the other proposals. Mr. Tica emphasized that all documents for this activity can be accessed from the project dropbox. Mr Tica continue with explanation regarding Equipment procurement. He said that LOT1 was successfully finished in year 2014 and that in year 2015 LOT2 was finished according to law in Bosnia and Hercegovina and TEMPUS rules but there were some serious delays and that he expect that up to end of Project all equipment is going to be delivered. Prof. Dr.-Ing. Vojislav Miltenović thanked to Mr. Tica and invited Dr. Milan to continue with his presentation.

Dr.-Ing. Milan Banić thanked to Prof. Miltenović and continue with presenting. Mr. Banić informed participants about monitoring visit by TEMPUS office of Serbia, which is equal to EU monitoring. He explained that Monitoring was in April 2015 and that in summer we received Monitoring report on which we gave official response.

The main points were: “To address jointly with colleges of applied studies the organisation of student practical placement”. He explained that the organization of student practice for colleges of applied sciences was not addressed in project application. One of the conclusions from the training of teachers of applied sciences was that the length of studies on colleges of applied sciences should be changed to accommodate the needs of practice by increasing the length of study for one semester. Such goal is impossible to achieve at the end of the project lifetime as it is over current consortium capacity. Furthermore, such change would belong to structural measures and would require significant involvement of Ministry of education which is not a consortium member. He open discussion about this topic. Representatives of colleges start to explain their situation and their approach in performance of practice and they agreed that they should make jointly Report on this topic. Prof. dr. Vojislav Miltenović gave proposal to have one more additional meeting on this topic where representatives can come prepared. His proposal was adopted. He said that date and meeting place will be sent to them afterwards.

Mr. Banić continued with next point of Monitoring report: “To keep in touch with student representatives and ask for a better justified opinion about modernized courses (i.e. to specifically ask for feedback from those students who benefitted from the courses that are the result of the project)”. He explained that the student survey about modernized/developed curriculums is conducted at end of every semester. The results of the survey will be implemented into self-evaluation reports (activity 5.2). The making of reports is underway and they will be available at project website when they are finished. We have provided at the monitoring visit the report of student survey for winter semester at University of Nis which showed that 85 % of the surveyed students are satisfied with the new curriculum in Management in Product Development and Innovations. The new master course in Industrial product development is scheduled for first enrolment in 2015/2016 and the first valid results will be then generated. The results from the winter and summer semester at all universities will be consolidated in the self-evaluation report. As the University of Belgrade started enrollment on new subjects earlier they already published report on project portal.

Next point was: “To adjust the remaining training courses to the needs of colleges of applied studies and to involve the EU partners in their organisation and provision; to discuss, at the same time, the harmonisation of curricula addressing product development and innovation management at the colleges of applied studies, as this was an important project objective”. Mr Banić explained that according to the request issued on 07.07.2015 we have planned an additional training for teachers of applied sciences according to their requests. That training was already performed on a workshop scheduled on 15.09.2015.

Next point was: “To work closely with the NES in order to get better outcome with the organisation of courses and to see if the needs for such courses by industry partners can be addressed”. Mr Banić said that as already pointed out in the request made on 07.07.2015, the close cooperation with NES generated very good results in promoting the courses developed in the frame of IPROD project. The call for trainings was officially published in the journal of NES. Furthermore, we have organized 4 dissemination workshops aimed for presentation of the courses together with NES. As the results we 937 candidates applied for the courses in just 4 cities (Nis, Belgrade, Novi Sad and Kragujevac), which is significant success as the courses are not obligatory for unemployed.

Next point was: “To disseminate information about continuous education courses through RCC and NES and raise the interest of companies and individuals for professional improvement by making publicly available the call for free training courses for companies (NEO can send the info on their mailing list, too); (re-visiting activities 7.2 and 7.5 could be advised)”. He explained that several promotional workshops were organised in July with NES and regional chambers of commerce. The regional chambers of commerce provided the mailing lists which are now used by University centers for continuous education in promotion of IPROD developed courses.

Next point was: “To make the most important project results more accessible on the project webpage and to publish in electronic format all the publications, writings and printings covered by Tempus funds. A appropriate number of hard copies should be available to students as well”. He

explained that all the project funded publications will be made available on project website till the end Project.

Next point was: “To provide feedback about the effects of inter-project coaching, as well information about the chosen project”. Mr Banic explained that we have performed official inter project coaching with project MAIN (544278-TEMPUS-1-2013-1-RS-TEMPUS-JPCR). On a meeting a clear distinction of project activities and results was made. Furthermore, the equipment list which will be procured for University of Nis in the frame of the project MAIN was revised in order to supplement already procured equipment in the frame of IPROD project. As already given in a response from the previous visit UNI already consulted the project CONGRAD for the methodology of collecting data about former graduates. The collecting of data from current students is already in action for several years now. The local coordinator (Prof. Anišić) from University of Novi Sad on MAS-PLM (144959-2008) is active IPROD participant and he is providing valuable help in all aspects of project management.

Next point was: “To demonstrate the benefits of the project for the non-academic partners and possibly to plan some more activities for this purpose by the end of the project.” Mr. Banić explained that there are numerous benefits for non-academic partners generated in the frame of the IPROD project such as several contract that are made between academic partners and industry, 500 trainees completed the developed trainings. The competitiveness of industry partners is enlarged as they now have access to latest knowledge from the academic partners. Also, a number of students is engaged in working for industry in form of Master theses and development projects. In cooperation with regional chambers of commerce the university lifelong center were engaged in training of industry staff.

Prof. Dr.-Ing.Vojislav Miltenović thanked all present participants and closed the meeting of PMC.

**The PMC meeting concluded at 18:30 h.**