

for Industry 4.0, providing an in-depth perspective of companies' processes, structures, and tools for business model innovation. The course will also provide insight in EU good practices and competencies for business model innovation in the course of Industry 4.0 [20].

IV. CONCLUSION

This paper presented main aspects of newly designed student module at the University of Niš, named "Smart Products and Services Engineering". Module implementation is financially supported by European Education and Culture Executive Agency (EACEA) under the umbrella of Jean Monnet Erasmus+ project call. Module is jointly designed by professors from two faculties – Faculty of Mechanical Engineering and Faculty of Electrical Engineering. Module "Smart Products and Services Engineering" is composed of 11 courses with 118 school hours of teaching in total, organized during 15 weeks (3 months), two teaching days in a week, with 4 hours teaching blocks. Topics to be mastered are: Introduction to European integration and legislation in the field of smart engineering, I4.0: Smart products and services engineering, Creativity and innovation in product development, Digital product development, 3D CAD construction, Information technology, Artificial intelligence, Big data and data analytics, Internet and sensing technology, Digital twins, Business models I4.0.

Besides the main goal of the project which is acquiring the necessary knowledge and skills by the master students of technical faculties in the field of innovation and creative techniques for the development of smart market-competitive products and services and mastering the methods, models and IT tools applicable in efficient engineering of the new generation of smart products and services, project has several additional goals. Most important ones are the transfer of acquired engineering competencies in the field of smart products and services to the business entities in the region as well as more efficient use of available human resources and faster integration of the region in the application of European achievements in this area. In order to achieve all these goals, project anticipates besides teaching part, numerous related activities oriented toward teaching and scientific community as well as toward local business entities in the field of smart products and services. A lot of events are planned like: round tables with business, workshops, study visits, writing research papers as well as a handbook on smart products and services.

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