



Zaporizhzhya National Technical University



PRACTICE ORIENTED MASTER PROGRAMMES IN ENGINEERING IN RU, UA, UZ.

Report on the activities carried out during 24 months
(from October 2010 to October 2012)



Courses and Modules started in autumn



	Discipline	Department	Teacher	Level	Num. of St.	Credits	Contact h	Ind. work h
1	CAD/CAM/CAE systems in design and manufacturing of high-tech products	Software Tools	Anzhelika V. Parkhomenko	MsC	3	10	144	216
2	Soft Skills for Engineers	Software Tools	Ganna V. Nelasa	MsC	6	1.5	24	30
3	Modeling manufacturing systems	Software Tools	Andrii A. Oliinyk	MsC	3	3	32	76
4	Modern-TPSE	Software Tools	Alexey A. Oliinyk	MsC	6	2	32	40



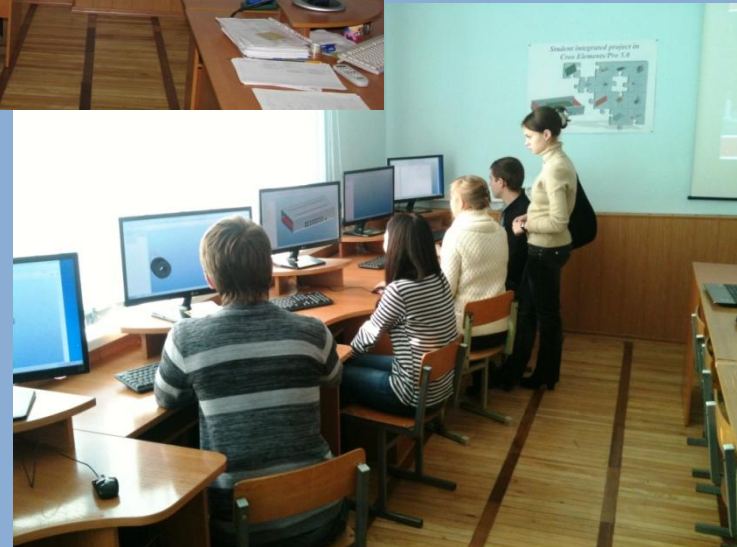
Courses and Modules that will start in spring



	Discipline	Department	Teacher	Level	Num. of St.	Credits	Contact h	Ind. work h
1	Re-engineering of existing machine shops	Software Tools	Sergey A. Subbotin	MsC	3	2	32	40
2	Quality engineering	Software Tools	Galyna V. Tabunhchyk	MsC	6	3	48	40
3	Audit and Certification according to ISO	Software Tools	Valeriy Levkin	MsC	6	2	32	40
4	Applied informatics and digital data transmission systems	Computer systems and networks	Ravil K. Kudermetov	MsC	18	5	64	116



Computer Class of CAD / CAM / CAE systems





Laboratory of receiving and transmission of signals





Training at Vilnius Technical University



PhD, Nesterov A. at Vilnius Technical
University (May 20 - June 1, 2012)





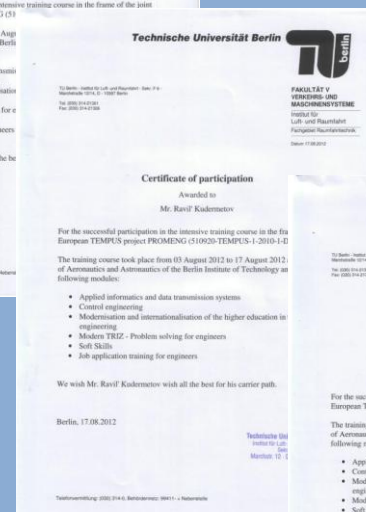
Training Results



- ❑ The program on course "Condition monitoring and protecting the environment" (2 ECTS) developed and approved ;
- ❑ informational lectures on the faculties of the university on the basis of visits to Lithuania for the storage and disposal of industrial and domestic origin were conducted;
- ❑ the training materials for the course "Condition monitoring and protecting the environment" are developing



Training In TUB





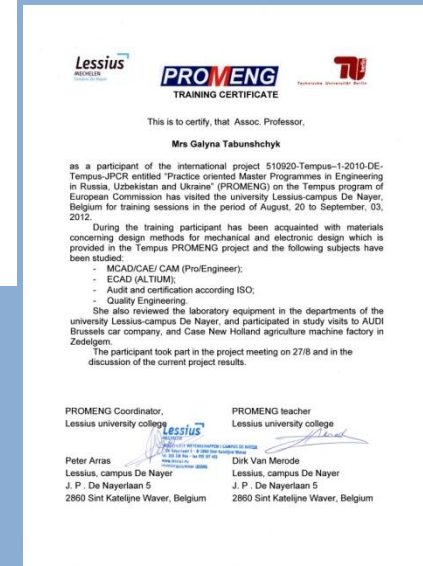
Training Results



- Curricular for the courses «Applied informatics and digital data transmission systems»; «Modern-TPSE»; «Soft Skills for Engineers»; «Factors for successful employment in the specialty» were modified.
- The results was reported on the faculties meetings;
- The report “The quality improvement of engineering specialties ” were made by Anatoliy Pritula at the international conference "Current problems and achievements in the field of radio, telecommunications and information technology" (19 – 21 September, 2012) was made



Training in Lessius





Training Results



- ❑ The reports about Belgium Educational System and perspectives for CAD/CAM/CAE systems were made at the different university faculties;
- ❑ Licenses for Pro/Engineer were received;
- ❑ Curricular for the courses “CAD/CAM/CAE systems in design and manufacturing of high-tech products”, “Quality engineering”, “Audit and Certification according to ISO”, “Modeling manufacturing systems”, “Re-engineering of existing machine shops” were modified;
- ❑ The report “Information Technology for Electrical Tools Design with the usage of Pro/Engineer и Altium ” were made by Anzhelika Parkhomenko at the international conference "Current problems and achievements in the field of radio, telecommunications and information technology" (19 – 21 September, 2012) was made



Master classes (Zaporizhzhya, October 20-25, 2012)



Participants:

- Teachers and students of ZNTU

Representatives of:

- Zaporizhzhya National Technical University (representatives of administration, teachers, students)
- Lutsk National Technical University
- Pryazovskyi State Technical University
- Vilnius Gediminas Technical University (Lithuania)
- Technical University of Berlin (Germany)
- Lessius-Mechelen University college, campus De Nayer (Belgium)
- Higher education schools, businesses and organizations that are not part of the project consortium "PROMENG" and expressed interest in the project



Master classes (Zaporizhzhya, October 20-25, 2012)



Welcome from
S.B.Byelikov,
rector of ZNTU

Report of the representative Technopolis Engineering Company





Master classes (Zaporizhzhya, October 20-25, 2012)



Master-class on CAD /
CAM / CAE systems of
Pro/Engineer/Creo

Master-class on the
Environment issues





Master classes (Zaporizhzhya, october 20-25, 2012)



Master-class on
softskills

Setting up and testing of a ground
station





Dissemination



- Reports were made at the international scientific-practical seminar "Experience and prospects of partnership in higher education" in Taganrog, (June 2012)
- Reports were made at the VI International Scientific and Practical Conference "Current problems and achievements in the field of radio, telecommunications and information technology"
- An article in newspaper of Zaporizhzhya National Technical University devoted to the results of the Professors training in the EU universities was published
- The live television coverage devoted the results of PROMENG was made at the Zaporizhzhya TV Company "Alex"
- Information about PROMENG in the zntu web-site:

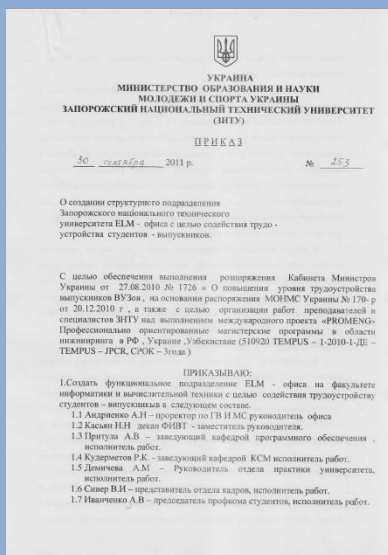
promeng.zntu.edu.ua



ELM-office Activities



Order for creation ELM-office




2. Руководителю работ по программе TEMPUS от ЗНТУ, Проректору Андриенко А.Н.


2.1 Разработать положение об ЕЛМ-офисе относительно содействия трудоустройства студентов-выпускников.

Срок – до 30 ноября 2011 г.

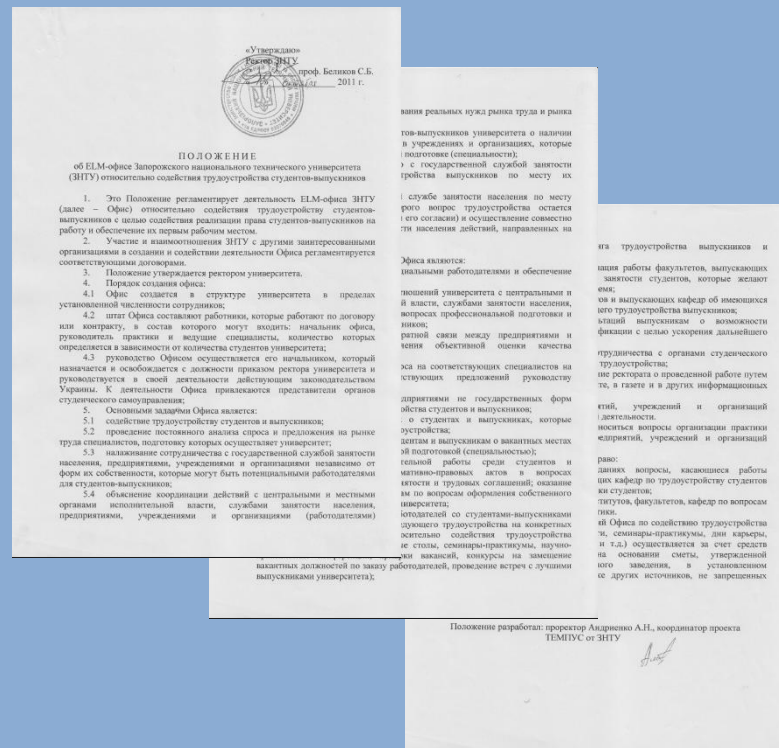
2.2 Планировать работу офиса, составлять и утверждать ежегодный план работ подразделения (офиса).

3. Контроль за выполнением настоящего приказа возложить на проректора по гуманитарным вопросам и международным связям Андриенко А.Н.

Ректор  С.Б. Беликов

Прект.  Андриенко А.Н.

Statement about ELM-office







Results Publication



- A. Pritula The experience in the international educational project TEMPUS PROMENG/ Pritula A.V., Parkhomenko A.V., Kudermetov R. K., Tabunshchik G.V. // Izvestia TTI UFU-DonNTU. Materials of the 13th international scientific-practical seminar «Practice and development perspectives in higher school». – Taganrog: TTI:UFU. Book 1, 2012, №12.- C.238-243;
- A. Pritula Modelling of quality assessment of PROMENG project/ Pritula A.V., Tabunshchik G.V., Parkhomenko A.V., Kudermetov R. K., // Izvestia TTI UFU-DonNTU. Materials of the 13th international scientific-practical seminar «Practice and development perspectives in higher school». – Taganrog: TTI:UFU. Book 1, 2012, №12.-.- C.243-246.





Results Publication



- Parkhomenko A.V. Information technology development of electronic tools by the pro/engineer and altium /Parkhomenko A.V., Gladkova O.N., Vershinin P.A. // Current problems and achievements in the field of radio, telecommunications and information technology: VI International Scientific and Practical Conference (19–21 September 2012 p., Zaporizhzhya) – Zaporizhzhya: ZNTU, 2012. – PP. 251- 253
- Kudermetov R.K., Pritula A.V., Nelasa G.V. About improving of teaching quality in the engineering specialties //Current problems and achievements in the field of radio, telecommunications and information technology: VI International Scientific and Practical Conference (19–21 September 2012 p., Zaporizhzhya) – Zaporizhzhya: ZNTU, 2012. – PP. 174- 175.
- Duiko L.N. Training of the ZNTU teaching staff in the EU universities according to the project PROMENG//Mechanical Engineer , № 4 (2099) from 5 October 2012. – P. 3.

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
УКРАЇНСЬКА ФЕДЕРАЦІЯ ІНФОРМАТИКИ
ЗАПОРІЗЬКИЙ НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ
ХАРКІВСЬКИЙ НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ
РАДІОЕЛЕКТРОНІКИ

ПАТ «УКРТЕЛЕКОМ»,
КП НВК «ІСКРА», ДП «РАДІОПРИЛАД»
НВП «ХАРТРОН-ЮКОМ»



СУЧАСНІ ПРОБЛЕМИ І ДОСЯГНЕННЯ В ГАЛУЗІ
РАДІОТЕХНІКИ, ТЕЛЕКОМУНІКАЦІЙ ТА
ІНФОРМАЦІЙНИХ ТЕХНОЛОГІЙ

Тези доповідей
VI Міжнародної науково-практичної конференції
(19–21 вересня 2012 р., м. Запоріжжя)

Запоріжжя – 2012



Planned activities



- Teaching the basics of Altium and Pro/Engineer the teaching staff from the following ZNTU departments: Software Tools Department, Computer Systems and Networks Department, Information Technologies of Electronic Devices Design Department, Electrical Apparatuses Department, Electric Drive and Industrial Automation Department, Microelectronics and Semiconductor Devices Department, Machinery and Handling Equipment Department
- Teaching the basics of Altium and Pro/Engineer the teachers from colleges and schools of Zaporizhzhya region
- Teaching the basics of Altium and Pro/Engineer representatives of SPE "Khartron-YUKOM" , JSC "Motor Sich" , Zaporozhtransformator PJSC
- Scientific Research Work with SPE "Khartron-YUKOM" according to the agreement
- Preparing to release training manuals:
 - A.Parkhomenko, A.Pritula, V. Krischuk “Software CAD/CAM/CAE-systems. The development and practical application”
 - G. Tabunshchik, R. Kudermetov, T. Bragina “Software Quality Engineering”
 - G. Nelasa, A. Pritula, A. Lyzhnyov “Soft Skills for Engineers”



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