

METHODOLOGY FOR THE IDENTIFICATION OF INTERNAL AND EXTERNAL COMPETENCY RELATIONS IN THE FIELD OF INTELLECTUAL PROPERTY PROTECTION

Jozef Zajac, Prof., PhD, MA
Michal Hatala, Prof, PhD, MA
Lubomir Olexa, MA
Jan Zajac, MA

Technical University of Kosice, Faculty of Manufacturing Technologies, Slovakia

Abstract

The article presents the experience with the introduction of “System of Quality Management” in TU in Kosice (TUKE) according to ISO 9001. It describes the system of managing quality including all competency relations and the philosophy of implementation of the system into real conditions of research and educational institution in terms of intellectual property rights.

Keywords: Quality, system of quality management, IPR

Introduction:

In all areas of human activity but especially in the industrial and commercial sector words such as quality, quality control, quality improvement, quality assurance, quality assessment, etc. have recently been inflected continuously. Everyday life convinces us that it is the product quality and service quality which decide about the success of the company in a free competitive environment. With the growing number of public universities, private universities and private educational institutions offering training (retraining) in highly specialized fields and their desire to get as many quality applicants for the studies as possible, all these institutions in Slovakia are getting into the competitive environment. Taking the students from abroad into account, we find ourselves in a global competitive environment, which got even stronger after the accession of the Slovak Republic to the EU.

Therefore, it is essential to pay close attention to the aspects of quality at the Technical University in Kosice. Moreover, in the long-term intention of the TU, if we tend to apply for the complex accreditation for the university, respectively the research university, it will be necessary to objectively demonstrate and prove quality and the level of quality as well as to constantly strive to improve the quality of all our activities.

The System of Quality Management at TU:

In order to achieve a complex accreditation for the university, respectively the research university as well as other reasons or motives which are listed below it is necessary to address these issues in terms of "Integrated System of Quality Management" from the position of building at least the following subsystems:

- the quality of educational process at TU
- the quality of research activities at TU,
- the quality of administrative-service activities and services at TU.

Given the linkages between these three subsystems it is not possible to implement improvement activities of TU if we do not pay careful attention to each of them.

What are the good reasons for us to deal with quality more than before, or what is our motivation? In particular:

- To maintain and build up the reputation of TU.
- To be competitive on the national level and internationally.
- To overcome the rigidity of classical approaches already obsolete.
- To improve the students' contentment.
- To improve the employees' contentment.
- To improve the contentment of the public and industry with the alumni of TU.
- To increase the quality, performance and economic efficiency of the process at TU.

To respond to changing conditions:

- the increasing number and activity of private universities and educational institutions.
- a large number of low-quality applicants for study at TU.
- the deteriorating ratio of the number of students / number of teachers.
- a lack of quality young teachers.

The identification of internal and external competence relations in the field of intellectual property protection can be presented from two fundamental perspectives:

- a) **Primary** - identifying and providing links between the Department of Intellectual Property Rights at UC and national and international competence institutions in the field of intellectual property rights (ODV Ochrana Duševného Vlastníctva - IPR Intellectual Property Rights)
- b) **Secondary** - the creation of the concept of a coherent system of legal assistance for the protection of copyright and other proprietary rights of university employees.

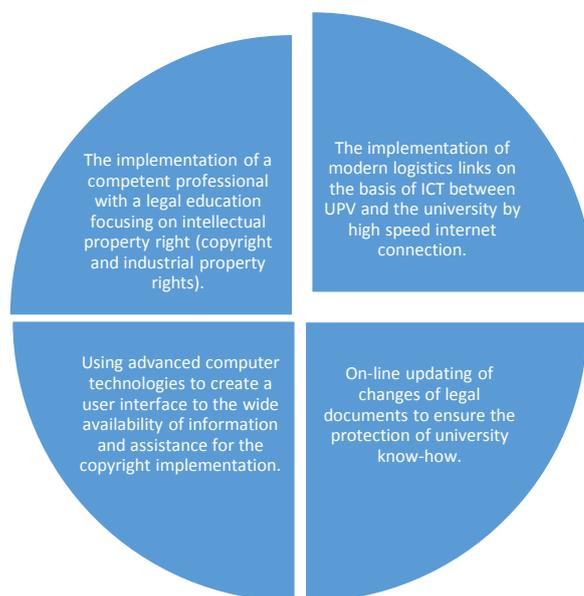
Primary	Secondary
<p>• <i>Interconnection will guarantee the access to public but also non-public (member) information and knowledge resources which significantly support the processing of tasks connected to services aimed at: filling in the applications for patent protection, trademarks, industrial designs, layout and design etc. The essential input will be the analysis of possible relations between UC and WIPO (World International Property Organization), IPR portal etc. It creates a good starting framework for complex provision of services in IPR as well as for provision of complex information and knowledge on intellectual property.</i></p>	<p>• <i>The creation of the concept of a coherent system of legal assistance for the protection of copyright and other proprietary rights of university employees.</i></p>

Picture 1 The identification of internal and external competence relations in the field of intellectual property rights

From the methodological point of view, the methods of approach to the following concepts defined above can be further subdivided into these basic patterns:

- a) The implementation of modern logistics links on the basis of ICT between UPV and the university by high speed internet connection.
- b) On-line updating of changes of legal documents to ensure the protection of university know-how.

- c) Using advanced computer technologies to create a user interface to the wide availability of information and assistance for the copyright implementation.
- d) The implementation of a competent professional with a legal education focusing on intellectual property right (copyright and industrial property rights).



Picture 2 Methodology of creating the internal and external competence relations in the field of intellectual property rights

Expected outputs and profits in particular, can be summarized as:

- Ensured open negotiated cooperation with the UPV and an active connection to the service "IPR-Helpdesk" respectively "European Patent Office" etc.
- Provided accessibility to the guidance and information sources from reputable international institutions in the field of IPR and their subsequent processing respectively brokerage services through ODV in the information portal ITT
- Processing of the concept of an open integrated ODV system for university employees as well as for other users of ITT services

Conclusion:

Expected outputs and profits in particular, can be summarized as:

- Ensured open negotiated cooperation with the UPV and an active connection to the service "IPR-Helpdesk" respectively "European Patent Office" etc.
- Provided accessibility to the guidance and information sources from reputable international institutions in the field of IPR and their subsequent processing respectively brokerage services through ODV in the information portal ITT
- Processing of the concept of an open integrated ODV system for university employees as well as for other users of ITT services

References:

- SINAY, J, et al. : Experiences with E-learning implementation at the Technical University of Kosice." Information Technology Based Higher Education and Training, 2004. ITHET 2004. Proceedings of the Fifth International Conference on. IEEE, 2004., J.A.: Theorie der wirtschaftlichen Entwicklung. Leipzig. 1911.
- CLUSTER OBSERVATORY: Priority Sector report: Knowledge Intensive Business Services.I n:Center for Strategy and Competitiveness, Stockholm School of Economics,Sweden, 2009,

- Technology Platforms – From Definition to Implementation of Common Research Agenda, EUR 21265,9/2004
- LAPORTE, B.: Turning Crisis into Opportunity, Critical Role of Engineering Skills and Innovation. , St.Peterburg, 2009.
- MIHOK, J a kol.: Podpora inovácií, CITR, 2009,
- KOVÁČ, M. a kol.: Technological Knowledge Business Intensive Services – T KIBS. Košice, 2008
- Dlhodobá vzia rozvoja slovenskej spoločnosti, Ekonomický ústav Slovenskej akadémie vied, Bratislava 2008,
- MONKA P. , ZAJAC J.: Education in Slovak technical universities environment, Nitra, 2008.
- ZAJAC, J.: Inovatívne myšlienky do výroby, Transfer, Bratislava , 2009.
- KOMÁREK, J.: Kvalita a otevřenost–aktuální výzva vývoje vysokoškolského vzdělávání." Periodica Academica (2010)