POLITECHNIKA WROCŁAWSKA
WYDZIAŁ ELEKTRONIKI

KIERUNEK: Automatyka i Robotyka (AIR)
SPECJALNOŚĆ: Embedded Robotics (AER)

PRACA DYPLOMOWA MAGISTERSKA

System efektywnego zarzadzania wiedza

A dynamic knowledge management system

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Introduction

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Literature review

2.1 Goals of the project

The goal of this project is to create knowledge management system that could be used in universities to manage academic courses. [1]

Figure 2.1: DIKW pyramid

2.2 Qualification frames

2.2.1 Students perspective

Students are not obligated to knew anything about KRK. Each course is described in standard way, but its up to each department if it would be presented in a useful way. As an example, Department of Cybernetics and Robotics hosts on their webpage compilation of courses description for M.S. program in Embedded Robotics[2]. Pieces of structured information are also available from Wroclaw University of Technology web applications, but they are used mostly for courses sign up:

edukacja.pwr.wroc.pl - Students use this portal to sign up to courses. Courses catalog is available there.

jsos.pwr.edu.pl - Students use this portal to accept grades and download week plan. There exist course search engine, but it only provides courses codes and dates.

akz.pwr.edu.pl - Actual Sign up Catalog serves information about sport, language and humanistic courses. It's also used for sign up purposes.

2.2.2 Faculty perspective

Faculty website is official place for hosting courses description. For now each faculty serves only documentation in PDF files, like for example Faculty of Electronics (weka.pwr.edu.pl). There is no system to manage versions of those documents, they are created in Microsoft Office formats and shared between staff by email.

2.2.3 University perspective

Rules for qualification frames at university lever are settled by Rector directives (pol. zarzadzenia Rektora). All directives are available for public from WRUT website in form of PDF documents, but there is no dedicated website for qualification frames. Therefore there exists some lower level initiatives to put this rules in one place, like on Faculty of Electricity website [3]. There are two main Rector directives that organize qualification frames: from 2012[**?**] and from 2015[**?**].

2.2.4 State perspective

On the state level the most important document is *higher education law* from 2005 with many further modifications.

- http://isip.sejm.gov.pl/DetailsServlet?id=WDU20051641365 (Ustawa z dnia 27 lipca 2005 r. Prawo o szkolnictwie wyzszym)
- http://www.oa.uj.edu.pl/KRK/A.Krasniewski_publikacja.pdf
- http://ustawa20.nauka.gov.pl ("PKA I KRK do radykalnej zmiany." "Obnizyc radykalnie role KRK.")

2.2.5 European perspective

- European Skills, Competences, Qualifications and Occupations
- https://ec.europa.eu/esco/portal/home
- https://ec.europa.eu/esco/portal/escopedia

Chapter 3

Methodology

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Conclusions

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