Experience of the strategy of sustainable cooperation between universities and the IT industry

Past, present and future cooperations

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Outline

- Successful cooperations with high number of German universities
- R&D start-up school
- Outlook
Our German partner universities

Hochschule Augsburg
University of Applied Sciences

Fachhochschule Erfurt
University of Applied Sciences

Universität Regensburg

Hochschule für Technik und Wirtschaft Berlin
University of Applied Sciences
Successful cooperation projects

- ONPU together with Augsburg University of Applied Sciences
  - Short-term student projects in Odessa and Augsburg
  - Joint conferences (e.g. MIT and IKT in Odessa)
  - Joint summer schools
    - Information – transparency – democracy 2015 (ONPU and HS Augsburg)
    - Neuro/Roborace 2017, 2018 (ONPU, HTW Berlin, HS Augsburg)
    - Machine Learning 2019 (ONPU, HTW Berlin, HS Augsburg)
  - Joint double-degree study programme in computer science (HTW Berlin and HS Augsburg)
  - Joint PhD research
    - Currently two candidates (HS Augsburg)
  - Ukrainian/German language courses in Odessa and Augsburg (HS Augsburg)
Cooperation impressions
R&D start-up school – Details

A Ukrainian–German initiative that aims to:

- Cultivate professional competency in its students
- Provide hands-on experience through industry projects
- Work with companies to prepare employees familiar with their field
The WiN– WiN– WiN (3 WiN) Strategy

To make this initiative vital and sustainable, we aimed to implement a system of relationships that could provide a Win–Win–Win situation for each of the participants – Universities, students and companies.
Industry Cooperation Eco-system

- Resources
- Expertise
- Projects
- Experience

Company

Students & Academia

- Product prototype
- Human resources
- Potential Employees
- Research

Final Product

Successful Development
Universal Gateway for communication between a wearable device (Pebble Watch) and various electronics devices.
Web applications and Cloud Computing

Smart Sensor Network
Based on a
Cloud computing
Client service
A mobile application to assist psychologists in conducting child interviews and provide suggestions.
Alternative and green energy

Green Campus

- Monitoring and optimization of energy consumption (distributed sensor system and energy consumption control)

- Combination of varying tariffs and use of solar power and other green energy
For those interested, an information session can be arranged.