

The impact of case studies on the quality of student's knowledge of information systems

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Ostrava, 10. 10.2019

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- Study subject: Information systems
- Placement in the study program: 5th semester
- Study programs:
 - Operation and Economics
 - Informatics
 - Public Administration and Regional Development

The composition of the team is very beneficial for the creation of the initial phases of the information system.

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- Companies, government, and all organizations very often use words - the information system is responsible. Information systems and information and communication technologies, in most cases so far, can do nothing more than we (the company, state administration,...) set in our requirements. From this it can be deduced that it is very important that there are experts in the team involved in the various phases of the information system life cycle.
- **Dirks, J.L. (2019)** they came to a conclusion 'Strategies such as multidisciplinary participation, clarifying team resources and goals, and creating practice scenarios can increase the effectiveness'.

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- The subject Information Systems included in the curricula of several study programs creates the prerequisites for the composition of a qualified team
- The students of the study program **Operation and Economics** will gain theoretical and practical knowledge of the operation of the company
- Students in the field of **Business and Administration** have knowledge especially in the field of accounting, corporate records, banking, taxes
- The field of **Public Administration and Regional Development** will prepare students with knowledge of state administration, relation to the European Union

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- An important role in such a team is played by students of the Informatics program, who during their studies mainly focus on algorithmization, programming, computer networks, and security
- A study group 'Information Systems' composed of students of all fields corresponds to the situation in the company

Knowledge Information systems

- The survey was carried out, respondents answered the question - to whom or what they complain when they complain about the information system
- **Survey results**
 - On the computer - probably yes
 - About the program - about 50% of the answers, many respondents did not know what the program was
 - Per person - 90% of respondents were unable to identify how people are involved in the information system life cycle

Resolution

- The main aim of the course Information Systems is to gain practical experience and knowledge on the basis of theoretical knowledge
- At the first seminar students will create a team. There are about 15 students in the team, the ideal situation occurs when there are students of all disciplines - Operations and Economics, Business and Administration, Informatics, Public Administration and Regional Development.
- Students choose who will lead the team. In addition, students choose the roles of analysts, designers, programmers, testers and roles that are responsible for routine administrative work.

Conclusions - experience

- students have a big problem setting roles - only in one case one student wanted to manage the whole team
- students have difficulty following the schedule
- students have a big responsibility problem - regular submission of work
- lower ability to determine the responsibilities of individual team members, control them and publish the outputs of each team member
- it is convenient for students to see concrete results of their work
- consult external companies
- look for example situations proactively

Project evaluation

- Based on several years of using this model of the project in practice can be stated:
 - the students rated the project very positively - there could be no one in the team who would be involved in the project processing (it is very often the case that some students do not work when processing projects in other subjects)
 - students saw a concrete result of their work, which they could directly implement in practice - in two cases they expanded the project and used it for their company
 - several students were so satisfied with their role in the team that they are currently working on this position
 - in many cases, students had to exchange roles

Benefits

- The result of the project was a functioning small module of the information system, most often the module accounting, warehouse
- At the end of the semester, the student presented their project. They had to explain the solution procedure, the chosen methodology, the chosen technologies and create the marketing of the module

Conclusion

- For the elaboration of such a project it is necessary that the students study not only theory, they also try to gain knowledge from practice. It is very important to have a team of different experts in this project - just as the situation in the company works. So far, students have only processed projects in teams of students from one study program. The greatest benefit is the cooperation of students from different study programs with different knowledge



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