

A Kids' Club Model for Innovation Creation between Business Life and School Students; the Intelligent Door Project

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Content

- Background & Motivation
- Case: Intelligent Door project
- Research
- Analysis of Results
- Lessons learned
- Conclusions

Background

- A Kids' Club project carried out at 2003
- Participants of the project:
 - Kids' Club children
 - Kids' Club tutors and researchers
 - Abloy Oy, a worldwide company in locking and door automation field

Motivations

- Projects between companies and school students are seldom reported
 - excluding sponsor support and students visiting companies
- The aim was to create two-way collaboration
 - both benefits and learn from each other

Intelligent Door Project

- Common goal: to create the intelligent door system realized by children
- Started in February 2003, ended in December 2003
- Participants:
 - Five Kids' Club children (13-15 years)
 - Five Kids' Club tutors
 - Five representatives from Abloy Oy

Intelligent Door Project

- Company's goals:
 - to motivate young people to work with industry
 - to get novel ideas for R&D
 - to remodel the image of the company
- Tutors' goals:
 - seeking a novel way for collaboration
 - research questions
 - a meaningful project for children

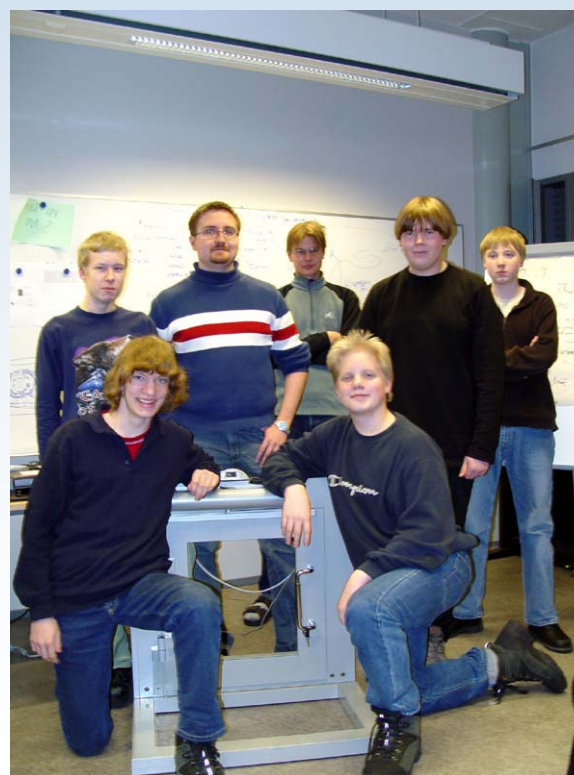
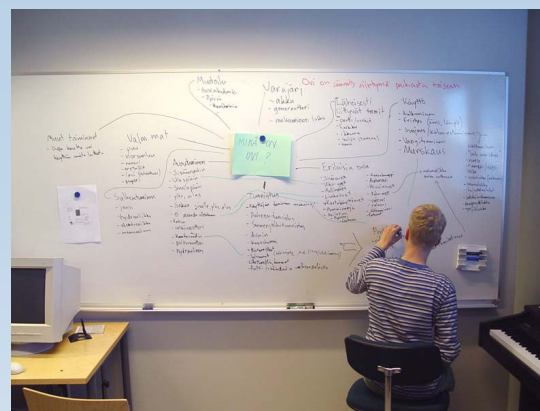
Intelligent Door Project

- Conceptual modelling and planning
 - Reflection the progress and self-evaluation until the end of the project
- Creation of the system
 - Roles according to children's expertise and interests
 - Special counseling by tutors and professionals from company
- Documentation and presentation



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Research at the project

- Definition of the model for collaboration
- Participatory action research
- Observations and interviews during the project (children and company's representatives)

Results

- A model for collaboration:
 - Combination of modern learning concepts and a software project
- Door as a physical artefact
- Experiences
 - Children
 - Tutors
 - Company

Conclusions

- According the feedback, the project succeeded
- Goals were reached
- Project continued as "Learning Door Project", which ended at June 2005

Questions?