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THE INTRODUCTION OF DIGITAL EXAMS – EXPERIENCES FROM A PILOT STUDY

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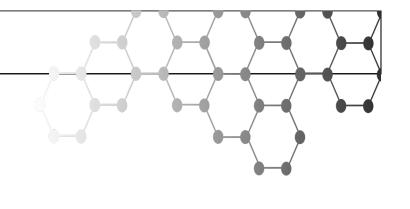


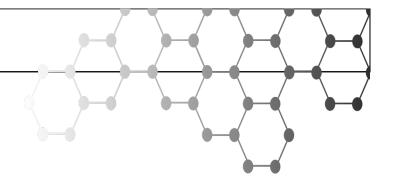


Digital examination pilot project

Observations

Recommendations





BACKGROUND

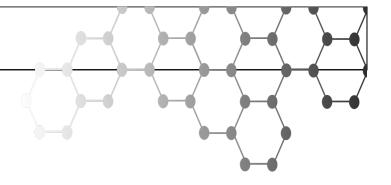
Driving forces – External

New national quality assurance system

Nationwide project – Digital Examination

Denmark ahead – Norway similar – Finland similar

10/11/18



BACKGROUND

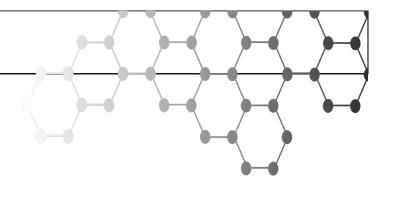
Driving forces - Internal

Students expect to use their own computers/tablets during exams

Improve exams as learning opportunities

Quality assured administrative processes





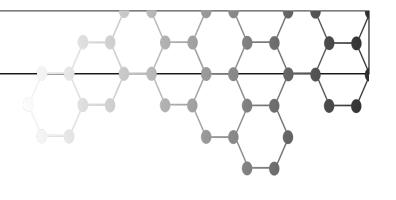
Three management courses, BSc level

Two different webbased examination systems

130 students and three teachers

Evaluation through questions during the exams, the regular course evaluation surveys, a workshop and individual interviews





Generally very positive

"Practicalities need improvement"

Demand equal conditions regardless of examination system used

Combination Computer – Paper wanted





Advantages

Own computer! "We are not used to write with a pencil"

Editing their answers

Improves anonymity for exams

Better for the environment

Improved teacher feedback









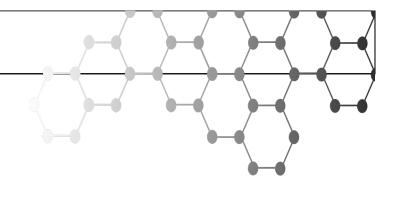
Tiring to sit in front of a screen for hours

Noisy

Worries about system failure







Generally positive

Important to ensure that the examination tests the right things

Dual systems (computer and paper) is complex

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Test bank development

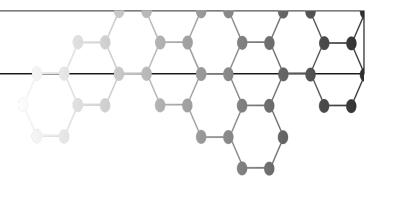
Automated grading possible

The exam becomes a learning activity

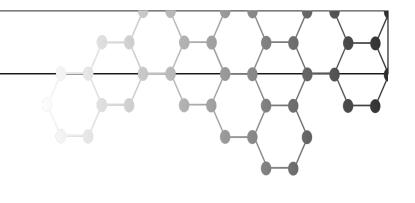
Grading can be done anytime and anywhere

Grading takes less time (-33%)

Enables the use of films/simulations during the exams







Disadvantages

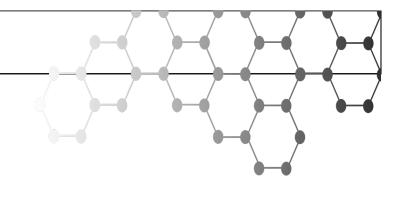
Risk of simplicity before proper examination

Old exam questions may be reused more often

Extended student feedback takes time

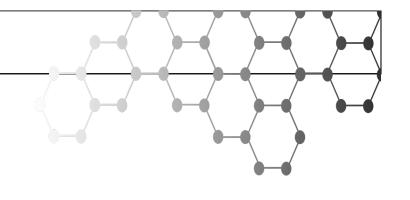
Perceived as "easier to cheat"





Administrative processes are facilitated Routines important for everyone Education needed



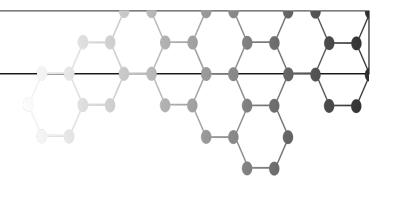


Advantages

Decreased use of paper

Simplifies the grading when multiple teachers are involved

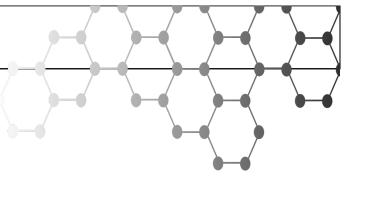




Disadvantages

Current examination process cannot deal with the new situation





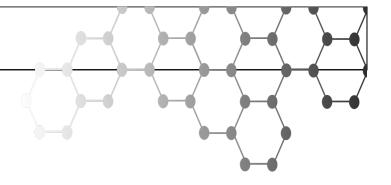
Generally very positive / positive

Saves time during grading

Demands a resource demanding hands-on approach initially

Education for all three groups necessary before implementation

Facilities are not adapted for digital examination



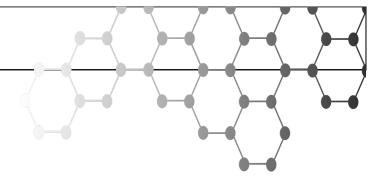
RECOMMENDATIONS

Continue to implement – "It will happen whether we like it or not"

Ensure that digital exams capture the desired knowledge

Products on the digital examination system market are immature

Support processes need to be adapted to digital examination



Thank you for your attention!



CHALMERS