Digital Learning / Hybrid Learning in Higher Education

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Digital Transformation in Higher Education

Future Professionals – Skills, Knowledge, Mindset, Attitude

Public Resources – Efficiency, Futureproof, Scalability

Public & Enterprise Cooperation
Close Relationship between HigherEd and Industry

- Digital Learning / Digital Transformation
- Hybrid- and Online Scenarios
- Students in real industry life

Theoretical basis ➔ Exchange Higher Ed & Industry ➔ Productive Output
Hybrid Teaching: Flexibility, Accessibility, Personalization, Digital Resources, Interactive Learning

Enhanced Hybrid Learning: Monitoring, Feedback, Centralized, Automized, Scalable

Dynamic Hybrid Learning: Versatile Environment, Student-Centric, Strong Engagement, Workflow Integration

Video production  ➔  Management  ➔  Effective Usage
Hybrides Lehrraumszenario

INTERACTIVES SQ1 DISPLAY MIT EDU APP AUF SDM PC MODUL

PTZ KAMERA MIT AUTO-TRACKING

LIVE SESSION MIT CHAT VON DEN EXTERNEN TEILNEHMERN

PLAYOUT FÜR DIE LOKALEN TEILNEHMERN IN ZUKUNFT SDM (VoIP)

SPRECHER LAPTOP (WLAN ODER IP STREAM)

ENCODER FÜR DEN WEBCAST ZU DEN EXTERNEN TEILNEHMERN
Hybrid Learning – key facts

- **Flexibility**: available anytime and anywhere
- **Visualization**: complex content presented in an illustrative way
- **Repeatability**: repeatable and pausable at any time
- **Individualization**: learning time and location self-determined
- **Efficiency**: teaching time can be used more efficiently
- **Inclusion**: contribution to an inclusive university education
What is the benefit of hybrid classrooms in universities?

- Flexibility
- Increased accessibility
- Technological skills
- Interactive instruction
- Cost savings
- Hybrid classrooms
Searchable Video Database

- Every spoken word
- All text elements in presentation
- All recognised OCR elements
- Interaction with students
- Knowledge Database

- Integration in LMS
- Multi-language search / caption
- Apply tags for relevant content
Uni Kassel – Hybrid Setup
Hybrid Production Studio setup

Central Camera with AT

Tools for Hybrid Session

Visualizer Camera

Professional Studio Setup
Virtual Panasonic Business Solution Centre - Panasonic products for business | Panasonic Business

Virtual PTZ-Demo von Panasonic

Hybrides Lehren
Joined activities with universities

Technical Sales Lab
Master Thesis
Student Trainee

Science Projects
On-site Evaluation
Workshops
Thoughts and best practice from Uni Kassel about Hybrid Learning

https://panasonic.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=25c8c20f-82d6-4f5b-b837-b00300ba1c52

Sample of a centralized, automized recording…

https://panasonic.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=cb52cd38-f9cd-43e8-aef4-b00300c18a3b

Panasonic Glass-to-Glass solution recorded

https://panasonic.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=27515814-75d2-4378-97f5-af0e00e28a58

Panasonic / Uni Kassel Auto Tracking


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