Title: Open Source Augmented **Reality Learning Authoring Platform**

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Project Description

The project aims at developing an inclusive and accessible open-source Augmented Reality Learning Authoring Platform (AuReLiA) by using opensource libraries and approaches. The platform will author learning applications in different settings and disciplines for university classrooms, on-





Expected Results

» The research will contribute knowledge to the area of AR learning especially on how to apply open-source libraries and approaches to develop AR learning authoring platform.

the-job training and connects to open source LMS such as moodle.



Methodology

- » The research will employ various methods, including interviews and focus group discussions with programmers, lecturers, students and companies, prototyping and user testing.
- » While the agile development with Scrum will be used to develop the AR

- » The research will contribute AR source code for other similar applications
- » The results will support non-technical authors such as lecturers and partner company staff with different level of accessibility, in enabling AR applications suitable for teaching various disciplines
- » Increase the interaction among partner universities, DHBW and its partner organisations (Lernortkooperation)

Outlook

The AR learning authoring is very relevant for digital and cooperative learning, internationalisation and transfer of knowledge across borders

We are interested in working with the DHBW industry, organisational partners, our partner universities and colleagues within DHBW.

authoring platform, the project will adopt the evolutionary prototyping to develop authored AR applications.

» The three (3) years project started 01 January 2021.

Interested in this Project?

» If you are interested, please contact Prof Dr Moebs (contact below)



Cooperative Partner



References