

Tender for a Softwareproject/Teamproject: Videoconferencing Software for MaXLab (FWW)

1. Goal of the Project

Goal of the project is to build a web-based videoconferencing tool for the experimental laboratory of the FWW (MaXLab).

2. Project Description

The MaXLab of the FWW needs a video-conferencing tool for their experimental lab. The tool should provide the ability for the experimenter to open conference rooms with unique URLs and with adjustable configurations like: specific duration, fixed number of participants, visibility of participants name, etc. Very important is the ability to record audio and video not only for the whole group but also for each participant separately to better analyze the voice and facial expressions afterwards. (Analyzation-Tools are not part of the project)

The project comprises frontend-development to build room-, overview- and configuration pages as well as backend-development for the conferencing logic and database management.

If you are interested we gladly send you more detailed information and the specific use cases of the project.

3. Crediting and Team size

This project can be implemented:

- Either as IT-Softwareproject (FIN bachelor degrees) for a team of 4-5 members
- Or as Scientific Teamproject (6 ECTS) for MDigiEng, for a team of 3 members

4. Requirements for the Team

- very good programming skills, e.g. Python
- good database skills, e.g. MySQL, PostgreSQL
- further knowledge: PHP, HTML, CSS, JavaScript, JSON, integration of APIs, user management

5. Contact for application

Please send your team application to Prof. Dr. Myra Spiliopoulou (myra@ovgu.de): the application should be sent by the team leader, with all team members in the cc.

6. Deadline for applications

Please send in your application until March 31st 2021.