Interdisciplinary Project

SaaS Project Positionanalysis 2

Image-based video tracking is one of the several electronic performance and tracking systems (EPTS) used to track player positions in sports. An EPTS provides X and Y position for players in the field. With this information, performance analysts can assess the physical demands of athletes and tactical position both in training and competition. Hence, a position detection tool for extraction of reliable information about players position is important for performance analysis in sports.

Project Objective

In this Pilot Project, we want to build an Onlineplatform to analyse position and videodata. This work contains

- Design of an modular and easy maintainable backend structure to enable easy integration of new Functionality
- Implementation in (preferable) Django
- Ability to communicate and work in Teams

Courses

Participation in the following courses is recommended.

- Performance Analysis 1 (V, 2 SWS)
- Performance Analysis 2 (V, 2 SWS)

Framework

This Software is a pilot project and should be designed modular, so that it is possible to continuously integrate new elements and functionality (Modularity). There is another IDP for the Frontend Development for this Platform (SaaS Project Sportanalysis 1). (Teams may also apply for SaaS Project Positionanalysis 1 and 2)

Timeline

After a Kickoff-Meeting and a specification of the tasks, the project can start immediatly. We encourage independent and creative work.

Stand: 06.10.20