**MINUTES OF MEETINGS**

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| Date | 08-03-2024 | Time | 02:00 – 3:00 PM | lOCATION | MetaForum 3.119 |

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| Participants | | | |
| Lefeber, Erjen  (Stakeholder) | Joseph Tandio ( System Architecture) | Mahsa Mehmendari (Scrum Master) | Anshid Pillat (Designer) |
| Quinten (Project Management) | Kareem Ghedan (Team Leader) | Arjun Chuhan (Designer) | Deniz Akyazi (Designer) |
| Naheed Tabassum (Designer) |  |  |  |

| No | Agenda | Comments/Feedback |
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|  | Introduction & Goal of the Meeting | The goal of the meeting is to update stakeholders about the progress of the project and also for validation of the system. |
|  | Planning | * Updated on the Week 5 Planning. |
|  | Risks | * Risks were updated based on the requirements and feedback of last week. |
|  | Validation | * Validation will be carried out by having a 2 vs 2 match and asking Human Referees and experts and final decision will be taken based on their expert opinion. * Consider that how many cases should we take into account for statistical validation of our system. * Give reliability based on number of experiments and then determine confidence level. * More cases = more confidence * Confidence intervals determine how many experiments we will need. * Determine probability of success of the system after having a lot of experiments. * Number of critical events happening. |
|  | Sensor Type | * Decision of which type of sensors we are going to use were taken based on the simplicity of use and cost and number of other factors. * We opt vision based Opti Track system because it is more accurate than other options available e.g. compared to CCTV and other vision systems. * Why Opti track and not CCTV? (difference lies in the resolution and time of coding requires in object detection and classification) |
|  | Ball Out of Play | * Uncertainties were calculated in detection of ball out of play using Gaussian distribution and came out to be   ± 13.08 mm which is well within the required accuracy of ± 15mm.   * Right now we are using off-line data to distinguish ball out or in play. * Same thing will also be implemented using Live stream data |
|  | Last Touch Detection | * Implemented the algorithm for last touch using off-line data * Distance calculation * Trajectory Prediction * Classification |
|  | Summary | * Consider about continuity: how the upcoming generations are going to use our data and code. * Also, consider the confidence interval (number of cases/experiments) for validation of the system |