**Expert Selection**

* **Domain Experts**: Sports analysts with expertise in cricket dynamics and player analytics.
* **Technical Experts**: Professionals with a background in computer vision and machine learning, especially those familiar with facial recognition and motion analysis technologies.

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| --- | --- | --- |
| Group | Affiliation | Reason |
| Domain Experts | Domain Expert 01 |  |
| Domain Expert 02 |  |
| Technical Experts | Techinal Expert 01 |  |

**Questionnaire**

**System Performance Evaluation Questions**

1. **Overall Concept and Innovation**:

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| --- | --- |
| **Question -** What do you think about the overall project? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** What are your thoughts on the scope of the project? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** What are your initial thoughts on the integration of face recognition and spatio-temporal gait analysis for player recognition in cricket? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** How innovative do you find the approach compared to existing player recognition systems in sports? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **Accuracy and Robustness**:

|  |  |
| --- | --- |
| **Question -** How accurate do you find the system in recognizing players under different conditions such as varying light and occlusions? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** Did you notice any instances where the system failed to recognize a player correctly? If yes, can you describe the scenario? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **System Design and Architecture**:

|  |  |
| --- | --- |
| **Question -** What are your thoughts on the system’s architecture and data processing workflow? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** Are there any improvements you would suggest to enhance the system's efficiency or scalability? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **User Interface and Usability**:

|  |  |
| --- | --- |
| **Question -** How would you rate the user-friendliness of the system? What aspects of the user interface did you find most and least effective? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** Were there any parts of the system that were confusing or difficult to navigate? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **Efficiency and Resource Utilization**:

|  |  |
| --- | --- |
| **Question -** Did you find the system to perform adequately fast for real-time applications? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** How well do you think the system manages computational resources? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

**Dataset Evaluation Questions**

1. **Data Quality and Integrity**:

|  |  |
| --- | --- |
| **Question -** Upon reviewing the dataset, how would you rate the quality of data in terms of accuracy and cleanliness? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** Were there any noticeable issues with the data that could affect the training of machine learning models? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **Diversity and Representativeness**:

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| --- | --- |
| **Question -** Does the dataset adequately represent the diversity of scenarios expected in a real T20 cricket match? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** Are there any key scenarios, player actions, or conditions you think are underrepresented in the dataset? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **Relevance and Applicability**:

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| --- | --- |
| **Question -** How relevant do you find the dataset for training a player recognition system specifically designed for T20 cricket? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** Are the labels/annotations provided with the dataset precise and useful for the type of analysis intended? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **Annotation Accuracy**:

|  |  |
| --- | --- |
| **Question -** How accurate and consistent are the annotations within the dataset? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** Did you find any discrepancies in how data points are labeled that might affect model learning? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

**General and Open-Ended Questions**

1. **Feedback on Potential Improvements**:

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| --- | --- |
| **Question -** Based on your evaluation, what are the major strengths of the system and dataset? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** What improvements would you suggest for both the system and the dataset? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |

1. **Future Enhancements and Recommendations**:

|  |  |
| --- | --- |
| **Question -** Are there additional features or capabilities you would recommend integrating into the system? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |
|  | |
| **Question -** How could the dataset be expanded or enhanced to better train and validate the recognition system? | |
| **Expert** | **Feedback** |
| Domain Expert 01 |  |
| Domain Expert 02 |  |
| Techinal Expert 01 |  |