

Identification and Assessment of Key Performance Indicators in Sri Lankan Volleyball

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Player performance analysis and game strategy classification have seen significant advancements in global volleyball. However, these developments have been largely absent in Sri Lanka's volleyball landscape, where minimal research has been conducted. This study addresses the need to identify and evaluate key performance indicators (KPIs) specific to Sri Lankan volleyball. As an initial step, 25 research papers were reviewed, resulting in a preliminary list of 13 KPIs. To calibrate these KPIs, 10 interviews were conducted with coaches and volleyball experts, leading to the addition of 5 more KPIs. In the final phase, a questionnaire survey was administered to volleyball coaches and experts to evaluate and prioritize the KPIs. All 10 responses from the questionnaire were evaluated through a weighted scoring system, considering factors such as experience level, type of players trained, and coaching level. This process culminated in a final list of 12 KPIs: Flexibility, Aerobic Endurance, Hand Strength to Body Weight, Agility, Explosive Power (Lower Body), Explosive Power (Upper Body), Speed, Height, Weight, Age, Body Composition, and Skills and Game Conditions. This comprehensive approach ensures that the identified KPIs are both relevant and tailored to the local context, providing a solid foundation for future performance evaluation models in Sri Lankan volleyball.

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