

## **Chapter 5**

### **SUMMARY OF FINDINGS**

The study successfully developed a digital solution aimed at addressing the challenges faced by the NOPSSCEA in sports management within private schools. The application was designed to enhance efficiency and promote transparency by digitizing various processes in sports event and athlete performance management. Key features of the system include athlete profiling submission, form submissions, athlete portfolios, sports registration management, sports event management, athlete performance reports, and the ability to generate comprehensive reports. The system provides a streamlined approach for managing sports events and tracking athlete performance while ensuring transparency and accessibility.

The application was also evaluated using an ISO-standardized questionnaire tool, assessing key quality attributes such as functional suitability, reliability, performance efficiency, usability, security, compatibility, maintainability, and portability. The evaluation results demonstrated that the system performs well across these areas, with particular strengths in usability and Security. However, the assessment also highlighted areas for future enhancement, particularly in portability and compatibility features to ensure smooth integration across various platforms and

devices. Overall, the developed system meets its objectives, offering a reliable and efficient tool for improving sports management practices within private schools, while providing valuable insights for further improvements and future scalability.

## **Conclusions**

The proposed study successfully addressed the challenges faced by NOPSSCEA in sports management within private schools. Based on the findings of the study, the conclusions are as follows:

1. The proponents successfully designed and developed the Sports Events and Athletes Performance Management System using digital technology, incorporating key features to streamline operations. The athlete profiling submission feature allowed athletes to create and update profiles digitally, ensuring accurate access to personal and performance data. Automated form submission simplified compliance for athletes, coaches, and schools. The athlete portfolio stored and displayed accomplishments and training progress, offering a comprehensive view of athlete development. Sports registration and event management systems facilitated digital registration and efficient scheduling of events. Performance reports generated valuable insights for decision-making, while robust reporting capabilities enabled real-time data analysis and comprehensive report generation for

improved management of athletes and events.

2. The system was evaluated using an ISO-standardized questionnaire tool, and it demonstrated high performance across various quality attributes. It excelled in functional suitability, effectively delivering features that met user needs. Reliability was evident through consistent performance and dependable functionality over time. The system performed efficiently, ensuring fast response times and optimized resource usage, while its usability provided a user-friendly and smooth experience. Strong security measures safeguarded against threats and vulnerabilities, and compatibility ensured seamless integration with various systems and platforms. Additionally, the system proved to be maintainable, allowing for simple updates and future adaptations, and its improved portability facilitated easy transfer and use across different environments.

## **Recommendations**

Based on the findings and conclusions, the proponents recommend potential enhancements to improve the system's efficiency and usability. The proponents recommend the following:

1. Develop a mobile app version to improve accessibility for athletes, coaches, and administrators.

2. Integrate a feature where admins and schools can upload forms to be filled out by students.
3. Integrate a bracketing of schedule feature to manage and display sports event schedules.
4. Integrate athlete scorer tracking and add functionality to log and display the athletes who scored in each game.

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