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مجلة علمية محكمة تصدرها كلية التربية البدنية وعلوم الرياضة



Analysis of the Reality of the Use of Electronic Systems in the Management of Sports Activities in the Departments of the Iraqi Ministry of Youth and Sports

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ABSTRACT

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Keywords:
*Electronic Systems ,
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The purpose of the research was to prepare a special questionnaire for the use of electronic systems in the management of sports activities within the departments of the Iraqi Ministry of Youth and Sports. Analyzing the responses of the sample of administrators and workers on the reality of the use of electronic systems in the management of sports activities within the departments of the Iraqi Ministry of Youth and Sports. Measuring the impact of electronic systems on improving the efficiency and effectiveness of the management of sports activities, and the research areas were administrative and employees of the Iraqi Ministry of Youth and Sports. On 7/7/2025 until 5/10/2520. In the departments of the Iraqi Ministry of Youth and Sports. The researcher determined the population of her research by taking all the (10) departments affiliated to the Iraqi Ministry of Youth and Sports, where the sample includes (632) employees and administrators who continue to work, where the researcher took (50%) who were selected by simple random method by lottery, and the research sample consisted of (316) where the researcher divided the sample into (3) main samples, as in Table (1), where the exploratory experiment consisted of (10) employees and administrators, while a sample The numbers consisted of (140) employees and administrators and the rest of the research sample amounting to (166) was selected to be the application sample as shown in the following table and the percentages of each sample. She recommended that the Ministry of Youth and Sports should invest in the development of technological infrastructure, especially in remote areas. Providing intensive training programs for sports and administrative cadres on how to use electronic systems in the best way. Encouraging sports departments to work on adapting to the advanced electronic systems and abandoning the old methods that stand in the way. It is important to conduct periodic evaluation studies to measure the effectiveness of the electronic systems used in the departments of the Ministry of Youth and Sports.

1. Introduction to the Research:

1.1 Introduction and Importance of the Research:

Many countries are working to strengthen their sector in the field of sports and youth by working on adopting the new administrative systems that would apply sports activities and achieve goals correctly and consistently, as many countries rely heavily on electronic systems in order to achieve the important and basic axis in order to achieve functional efficiency and work transparently through administrative processes and work to reduce time and effort and achieve an investment of resources correctly and away from waste, as it seeks Institutions work continuously and openly for the correct application of all modern technologies in the management of sports work in sports activities either nowadays. The Ministry is witnessing a major and gradual shift in work towards the integration of administrative electronic systems in its administrative, sports and institutional work, which raises several questions about the effectiveness of these systems in improving sports performance within the Ministry's departments. This current study aims to analyze the general reality of the application of electronic systems in the management of sports activities within the departments of the Iraqi Ministry of Youth and Sports, as well as with a great focus on the challenges and opportunities that help these systems in daily work. The importance of the current research lies in highlighting the pivotal role that modern technology plays in working to improve administrative performance in the Iraqi sports sector. It also works and helps in providing significant support for making important strategic decisions within the Ministry, by providing accurate analysis of the available electronic systems, which helps and It contributes to the continuous improvement of administrative methods and the development of sports processes within the Ministry.

1-2 Research Problem:

The researcher can formulate the research problem in the following main question:

"What is the reality of the use of electronic systems in the management of sports activities in the departments of the Iraqi Ministry of Youth and Sports, and what are the challenges and opportunities faced by those working in implementing these systems?"

1-3 Research Objectives:

1. Preparing a special questionnaire for the use of electronic systems in the management of sports activities within the departments of the Iraqi Ministry of Youth and Sports.
2. Analysis of the responses of the sample of administrators and workers about the reality of the use of electronic systems in the management of sports activities within the departments of the Iraqi Ministry of Youth and Sports.
3. Measuring the impact of electronic systems on improving the efficiency and effectiveness of sports activities management

1-4 Research Areas:

1.4.1 Human Field: Administrators and Employees of the Iraqi Ministry of Youth and Sports.

1-4-2 Temporal Domain: 7/7/2025 to 5/10/2520 .

1.4.3 Spatial Domain: Departments of the Iraqi Ministry of Youth and Sports .

2. Research Methodology and Field Procedures:

2-1 Research Methodology :

The researcher used the descriptive method in the survey method to solve the research problem (Muhammad Owais: 2003.103)

2-2 Research Population and Sample:

The researcher determined the population of her research by taking all the (10) departments affiliated to the Iraqi Ministry of Youth and Sports, where the sample includes (632) workers and administrators who continue to work, where the researcher took (50%) who were selected by simple random method by lottery, and the research sample consisted of (316) where the researcher divided the sample into (3) main samples, as in Table (1), where the exploratory experiment consisted of (10) employees and administrators, while the sample of numbers consisted of (140) of the employees, administrators and the rest of the research sample (166) were selected to be the application sample as shown in the following table and the percentages of each sample.

Table (1)

Shows the number of the population, the survey sample, the preparation and application

Research Sample	Preparation	Knowledge	Research Community	Iraqi Ministry of Youth and Sports Departments	Number
57	20	1	78	Physical Education Unit	1
50	17	1	68	Regions and Governorates Units	2
55	11	1	67	Finance Unit	3
50	15	1	66	Engineering Voltage Unit	4
51	16	1	68	Follow-up, Coordination and Guidance Unit	5
43	20	1	64	Administrative and Legal Affairs Unit	6
16	17	1	34	Government Media Unit	7
53	11	1	65	Culture and Arts Unit	8
53	12	1	66	Sports Medicine Unit	9
28	11	1	40	Scientific Care and Productivity Unit	10
166	140	10	618	Total	
53%	44%	3%	100%	Percentage	
316					

2-3 Measurement Tool Used in the Research:

In order to implement the research objectives, the researcher prepared a special questionnaire to measure those goals correctly, as she worked on preparing a questionnaire (**use of electronic systems**) consisting of (6) areas, and each field became (5) phrases with a total of (30) phrases for the questionnaire Table (2). Then, the researcher presented the questionnaire to a group of experts and specialists in the field of sports management, which are (7) experts in Appendix (1).

Table (2)

Shows the number of fields and phrases for the questionnaire (**use of electronic systems**)

Number of Phrases	Domains	Questionnaire
5	Use of electronic systems for follow-up and registration	Electronic System
5	The Role of Using Electronic Systems in the Management of Sports Activities	
5	Media and marketing for sports activities	
5	The Role of Financial Resources in Electronic Systems	
5	Challenges Facing Electronic Systems in the Management of Sports Activities	
5	Future Aspirations for the Use of Electronic Systems in Iraq	
30	Total	

Table (3)

Shows the percentage of acceptance of questionnaire fields (use of electronic systems)

Acceptance	%	Disagree	%	Agreement	Domains
Acceptable	0	0	100	7	Use of electronic systems for follow-up and registration
Acceptable	14	1	86	6	The Role of Using Electronic Systems in the Management of Sports Activities
Acceptable	0	0	100	7	Media and marketing for sports activities
Acceptable	0	0	100	7	The Role of Financial Resources in Electronic Systems
Acceptable	0	0	100	7	Challenges Facing Electronic Systems in the Management of Sports Activities
Acceptable	14	1	86	6	Future Aspirations for the Use of Electronic Systems in Iraq

Through Table (3), it is shown to the researcher that the fields for the questionnaire have been accepted, as they obtained their percentage above (75%) according to the opinion of the experts, and the researcher has formulated a number of phrases for those fields, where (5) phrases were formulated for each field and for each questionnaire, where each questionnaire became (30) phrases and they were presented to the same experts who were presented with the fields, as in Table (4).

Table (4)

Indicates the agreement of the experts on the proposed phrases (electronic systems)

Use of electronic systems for follow-up and registration						
Acceptance	%	Disagree	%	Agreement	Phrases	Rank
Acceptable	0	0	100	7	The process of properly organizing the registration process contributes to and helps in a more accurate and efficient manner.	1
Acceptable	0	0	100	7	Enable the officials to closely follow up on the correct athlete's performance of the participants in real time.	2

Acceptable	14	1	86	6	Through the use, the followers are able to continuously update the athletes' data quickly and efficiently.	3
Acceptable	0	0	100	7	It provides a flexible and continuous correct mechanism with the athletes and works to provide the necessary support at all stages of registration and follow-up.	4
Unacceptable	57	4	43	3	The Iraqi Ministry of Youth and Sports relies on providing a comprehensive database that facilitates the process of documentation and analysis of sports activities.	5
The Role of Using Electronic Systems in the Management of Sports Activities						
Acceptable	0	0	100	7	It contributes to improving the work of organizing sporting events by providing a flexible tool for planning and execution.	1
Acceptable	14	1	86	6	These systems greatly enable administrators to schedule activities in an organized, accurate and efficient manner	2
Acceptable	0	0	100	7	It helps monitor the progress of sporting events and provide real-time updates on teams and performance.	3
Acceptable	0	0	100	7	It provides important tools and facilitates coordination between the various organizational departments of youth institutions.	4
Acceptable	0	0	100	7	It contributes to providing and improving a unified platform for attendees and participant registration.	5
Media and marketing for sports activities						
Unacceptable	57	4	43	3	Through, the Iraqi Ministry of Youth and Sports can publish promotional campaigns for sports activities	1
Acceptable	14	1	86	6	It allows expanding the circle of the right target sports audience by reaching out to global platforms such as social media sites.	2
Acceptable	0	0	100	7	They are used to improve communication with the gym, which strengthens and helps in the relationship between athletes and fans.	3

Acceptable	0	0	100	7	It is possible by customizing marketing messages according to the interests of the target audience..	4
Acceptable	0	0	100	7	It provides effective measurement tools for the success of sports marketing campaigns.	5
The Role of Financial Resources in Electronic Systems						
Unacceptable	57	4	43	3	Electronic systems contribute to budgeting for sports activities, reducing the likelihood of financial mistakes.	1
Acceptable	14	1	86	6	It provides the ability to track financial expenses and revenues related to sports activities in real-time.	2
Acceptable	0	0	100	7	It enables officials to work and prioritize spending more accurately according to the properly defined budget .	3
Acceptable	0	0	100	7	Financial systems provide periodically important financial reports that help in the effective assessment of the effectiveness of resource use.	4
Unacceptable	43	3	57	4	Transparency in the management of funds can be improved and financial corruption reduced in the management of sports activities.	5
Challenges Facing Electronic Systems in the Management of Sports Activities						
Acceptable	14	1	86	6	Internet problems are one of the most important major challenges facing the effectiveness of electronic systems in some remote areas.	1
Unacceptable	43	3	57	4	Lack of adequate training in the use of modern systems leads to the lack of exploitation of the potential of these systems.	2
Acceptable	0	0	100	7	It requires advanced technological infrastructure, which is not fully available in some departments of the Ministry of Youth and Sports.	3
Acceptable	14	1	86	6	There is still a reluctance to use by some traditional departments that greatly prefer manual methods	4
Acceptable	0	0	100	7	The system faces significant challenges in integrating with legacy	5

					systems, affecting the flexibility of efficiently executing tasks.	
Future Prospects for the Use of Electronic Systems in Iraq						
Unacceptable	43	3	57	4	Improving the use of sports activities requires continuous updating of Iraq's digital infrastructure.	1
Acceptable	0	0	100	7	It is expected that there will be huge investments in information technology to support its application in Iraqi sports circles.	2
Acceptable	0	0	100	7	The introduction of modern will raise the level of efficiency and reduce the costs associated with organizing sports activities.	3
Acceptable	14	1	86	6	A future in Iraq that depends on continuous collaboration with local and international technology companies to develop innovative solutions.	4
Acceptable	0	0	100	7	With the expansion of use, the Iraqi Ministry of Youth and Sports will be able to provide more sophisticated and effective sports services to the community.	5

Through Table (4), it is clear to the researcher that there are phrases that have been deleted because they obtained a percentage of less than (75%) and from several areas that were clarified in Table (4), where (6) phrases were deleted because they did not obtain (75%), thus (24) phrases remain.

3-4 Exploratory Experiment:

The researcher conducted a survey experiment in order to ensure the clarity of the phrases and their affiliation to the fields on a sample of (10) employees and administrators in the departments of the Iraqi Ministry of Youth and Sports, and (3%) were selected by simple random method on Monday, 21-7-2025.

3-5 Applying the questionnaire to the sample of the preparation

The researcher applied the questionnaire to the preparation sample in order to prepare the questionnaire correctly, as the questionnaire was applied to a sample of (140) administrators and employees with a percentage of (44%) in order to reach the scientific foundations (honesty and consistency) where the application was applied on Wednesday 6-8-2025, where the survey sample of (10) was excluded, and (110) valid forms for statistical analysis arrived and (30) invalid forms were excluded.

3-5 Scientific Conditions for the Questionnaire:

3.5.1 The truth of the statute:

In order to reach the apparent honesty (content), the researcher presented the questionnaire to a group of experts to obtain the apparent honesty of the scale, where the number of experts reached (7) experts in the field of sports management. Thus, the questionnaire obtained the apparent honesty and applicability . As in Table (5).

Table (5)

The percentage of agreement for the questionnaire shows the use of electronic systems from the experts' point of view

Agreement	Phrases	t
Analysis of the use of electronic systems in the field of registration and follow-up		
100	The process of properly organizing the registration process contributes to and helps in a more accurate and efficient manner.	1
100	Enable the officials to closely follow up on the correct athlete's performance of the participants in real time.	2
86	Through the use, the followers are able to continuously update the athletes' data quickly and efficiently.	3
100	It provides a flexible and continuous correct mechanism with the athletes and works to provide the necessary support at all stages of registration and follow-up.	4
The use of electronic systems in the management of sports events		
100	It contributes to improving the work of organizing sporting events by providing a flexible tool for planning and execution.	1
86	These systems greatly enable administrators to schedule activities in an organized, accurate and efficient manner	2
100	It helps monitor the progress of sporting events and provide real-time updates on teams and performance.	3
100	It provides important tools and facilitates coordination between the various organizational departments of youth institutions.	4
100	It contributes to providing and improving a unified platform for attendees and participant registration.	5
Marketing and digital media for sports activities		
86	It allows expanding the circle of the right target sports audience by reaching out to global platforms such as social media sites.	1
100	They are used to improve communication with the gym, which strengthens and helps in the relationship between athletes and fans.	2
100	It is possible by customizing marketing messages according to the interests of the target audience..	3
100	It provides effective measurement tools for the success of sports marketing campaigns.	4
Manage financial resources using electronic systems		

86	It provides the ability to track financial expenses and revenues related to sports activities in real-time.	1
100	It enables officials to work and prioritize spending more accurately according to the properly defined budget .	2
100	Financial systems provide periodically important financial reports that help in the effective assessment of the effectiveness of resource use.	3
Challenges of using electronic systems in the management of sports activities		
86	Internet problems are one of the most important major challenges facing the effectiveness of electronic systems in some remote areas.	1
100	Electronic systems require advanced technological infrastructure, which is not fully available in some departments of the Ministry of Youth and Sports.	2
86	Despite the many benefits, there is still a reluctance to use electronic systems by some traditional departments that prefer manual methods.	3
100	The system faces significant challenges in integrating with legacy systems, affecting the flexibility of efficiently executing tasks.	4
The Future of the Use of Electronic Systems in Iraq		
100%	It is expected that there will be huge investments in information technology to support its application in Iraqi sports circles.	1
86%	The introduction of modern will raise the level of efficiency and reduce the costs associated with organizing sports activities.	2
100%	A future in Iraq that depends on continuous collaboration with local and international technology companies to develop innovative solutions.	3
100%	With the expansion of use, the Iraqi Ministry of Youth and Sports will be able to provide more sophisticated and effective sports services to the community.	4

2.5.2 Consistency of the form:

The researcher calculated the stability of the test through the use of the statistical program and the (Cronbach's alpha) equation, on a sample of (110) employees and administrators, and the stability percentage for the questionnaire as a whole was (68.125).

Table (6)

Shows the values of the stability coefficient for the use of electronic systems using the (Cronbach's alpha) equation

Measurement	Phrases	t
Analysis of the use of electronic systems in the field of registration and follow-up		

87	The process of properly organizing the registration process contributes to and helps in a more accurate and efficient manner.	1
98	Enable the officials to closely follow up on the correct athlete's performance of the participants in real time.	2
76	Through the use, the followers are able to continuously update the athletes' data quickly and efficiently.	3
76	It provides a flexible and continuous correct mechanism with the athletes and works to provide the necessary support at all stages of registration and follow-up.	4
The use of electronic systems in the management of sports events		
78	It contributes to improving the work of organizing sporting events by providing a flexible tool for planning and execution.	1
98	These systems greatly enable administrators to schedule activities in an organized, accurate and efficient manner	2
98	It helps monitor the progress of sporting events and provide real-time updates on teams and performance.	3
76	It provides important tools and facilitates coordination between the various organizational departments of youth institutions.	4
76	It contributes to providing and improving a unified platform for attendees and participant registration.	5
Marketing and digital media for sports activities		
78	It allows expanding the circle of the right target sports audience by reaching out to global platforms such as social media sites.	1
87	They are used to improve communication with the gym, which strengthens and helps in the relationship between athletes and fans.	2
78	It is possible by customizing marketing messages according to the interests of the target audience..	3
87	It provides effective measurement tools for the success of sports marketing campaigns.	4
Manage financial resources using electronic systems		
98	It provides the ability to track financial expenses and revenues related to sports activities in real-time.	1
96	It enables officials to work and prioritize spending more accurately according to the properly defined budget .	2

91	Financial systems provide periodically important financial reports that help in the effective assessment of the effectiveness of resource use.	3
Challenges of using electronic systems in the management of sports activities		
72	Internet problems are one of the most important major challenges facing the effectiveness of electronic systems in some remote areas.	1
87	Electronic systems require advanced technological infrastructure, which is not fully available in some departments of the Ministry of Youth and Sports.	2
98	Despite the many benefits, there is still a reluctance to use electronic systems by some traditional departments that prefer manual methods.	3
76	The system faces significant challenges in integrating with legacy systems, affecting the flexibility of efficiently executing tasks.	4
The Future of the Use of Electronic Systems in Iraq		
78	It is expected that there will be huge investments in information technology to support its application in Iraqi sports circles.	1
76	The introduction of modern will raise the level of efficiency and reduce the costs associated with organizing sports activities.	2
98	A future in Iraq that depends on continuous collaboration with local and international technology companies to develop innovative solutions.	3
76	With the expansion of use, the Iraqi Ministry of Youth and Sports will be able to provide more sophisticated and effective sports services to the community.	4

2-6 Final Application of the Scale:

The researcher distributed the questionnaire to a sample of (166) administrators and workers in the departments of the Iraqi Ministry of Youth and Sports, representing a percentage of (53%) of the total target sample. The distribution was made on Tuesday 9/9/2025, but 16 forms were excluded because they did not reach the researcher. Consequently, (150) forms remain valid for statistical analysis.

2.7 Statistical Treatments:

The researcher used the SPSS statistical kit

3- Presenting, analyzing and discussing the results:

3.1 Presentation of the results, analysis and discussion of the questionnaire (use of electronic systems)

The researcher extracted the arithmetic medians and standard deviations of the (use of electronic systems) questionnaire, where the calculated arithmetic medians were compared with the hypothetical mean of a field in order to identify the significance of each field, as shown in Table (7):

Table (7)

Shows the arithmetic mean and standard deviations of the (use of electronic systems) questionnaire

Statistical significance	Value (v)		Free m	The middle Al, Farzi	Standard deviation	Arithmetic mean	Variables
	Sign	Calculated					
Moral	0.006	3.70	149	12	2.191	12.663	Use of electronic systems for follow-up and registration
Moral	0.000	2.464	149	15	2.392	15.483	The Role of Using Electronic Systems in the Management of Sports Activities
Moral	0.002	8.29	149	12	2.198	13.493	Media and marketing for sports activities
Moral	0.000	3.44	149	9	1,392	9.392	The Role of Financial Resources in Electronic Systems
Moral	0.001	4.56	149	12	1.321	12.493	Challenges Facing Electronic Systems in the Management of Sports Activities
Moral	0.004	5.87	149	12	3.09	13.483	Future Aspirations for the Use of Electronic Systems in Iraq

The field of sports is witnessing a significant development in various and all parts of the world, and the challenges of using modern systems in the sports environment are very important in terms of the fields of analysis to the use of electronic systems in the field of registration, follow-up and control, and the researcher believes that electronic systems (Abdullah Abdel Gawad, 2013) that play the pivotal role of the great In order to improve the accuracy and effectiveness of the athletes in the registration, monitoring and follow-up of athletes, which helps and contributes to the reduction of unintentional human errors that may occur during routine work. Through the optimal use of these modern systems, it may become a practical material for monitoring sports performance more for the smooth functioning of the job, as officials and those concerned with sports activities can access the data at the right time and work to update it as quickly as possible. Enhancing communication with athletes and providing them with administrative support during the various stages of training and participation in sports events (Ahmed bin Saeed Al-Khalidi, 2017).) These features work and help facilitate the day-to-day management of various sports activities, allowing and helping to make quick and thoughtful decisions based on accurate and up-to-date data. While the field of using electronic systems in the management of sports events, the researcher believes that in terms of managing sports events, electronic systems provide the necessary tools to organize events flexibly and effectively. Through these systems, officials can develop comprehensive plans for matches and tournaments and work on organizing the dates accurately and correctly to ensure that there is no interference or delay. In addition, The right work must be in place, for digital systems to provide real-time updates on the progress of events, which contributes to improving and helps transparency, objectivity, and the ability to follow up on sport teams and

positive results continuously. It also contributes to and helps to improve coordination between the different departments involved in organizing the sporting event., such as sports organization teams, medical teams, and sports media, which ensures a more organized workflow and reduces chaos or unintentional mistakes in administrative work. The field of marketing and media for the Ministry's sports activities , where digital systems are a powerful tool for marketing and media, as it allows sports organizations to reach a larger audience through social media platforms and websites.(Mustafa Mohamed Al-Khatib: 2015).321)

4. Conclusions and Recommendations:

4.1 Conclusions:

1. It plays a pivotal role in improving administrative and functional efficiency in the management of sports activities, by facilitating the registration and follow-up process.
2. It has a significant contribution to enhancing transparency and monitoring the progress of sporting events, by providing live updates.
3. There is the development of relationships with the audience through direct and correct interaction on social media.
4. It has the ability to improve the management of financial resources for sports activities by accurately tracking expenses and revenues.
5. There are significant benefits offered by electronic systems, such as challenges with the technological infrastructure of the Ministry of Youth and Sports.

4.2 Recommendations:

1. The need for the Ministry of Youth and Sports to invest in the development of technological infrastructure, especially in remote areas.
2. Providing intensive training programs for sports and administrative cadres on the best way to use electronic systems.
3. Encouraging sports departments to work on adapting to the advanced electronic systems and abandoning the old methods that stand in the way.
4. Work to improve the integration and differentiation between modern electronic systems and existing legacy systems
5. It is important to conduct periodic evaluation studies to measure the effectiveness of the electronic systems used in the departments of the Ministry of Youth and Sports.

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