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Original article

THE RELATIONSHIP BETWEEN DECISION-SUPPORT SYSTEMS AND THE QUALITY OF ADMINISTRATIVE DECISIONS IN CERTAIN EGYPTIAN SPORTS FEDERATIONS

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Abstract

Aim. Information is the axis and fundamental pillar in all administrative processes, Planning needs to be sufficient and accurate information, so that the planned able to prepare successful plans. Through academic researcher experience and follow-up continued for the activities of sports federations and its many confusion in decision-making and contradictory and lack of authenticity I have noticed, for example, the Egyptian soccer Association did not put a full schedule of games sports season 2014/2015 from the beginning of the season until the end, but it is weeks mode, respectively.

Accordingly can be formulated in the current study, the aim of study were determined the availability of decision support in the Egyptian sports federations and their relationship to the quality of the decisions and administrative systems obstacles to benefit from the use of these systems.

Methods. The study population consisted of all sports federations Olympic Egyptian (27). According to the official website of the Ministry of Youth and Sports. Representative sample taken society original was strong (25) federation equivalent (92.5%) of the size of the original community

Results.

- There will fit in the number of computers and the number of workers in those federations' staff.
- Sports federations have the technological infrastructure to help modern use of decision support systems.
- All necessary for decision support systems and organizational capabilities of the Egyptian sports federations are available.
- There is a good degree of awareness and understanding among boards of sports federations.
- Fit the software used with the work requirements in the decision support in the sports federations systems.

Conclusion. Emphasize the importance of using protection programs developed to maintain the privacy of the data, thereby increasing the confidence of those data and outputs in support of decision systems, and to keep pace with the rapid technological changes, and update their systems accordingly

Keywords: Decision-Support Systems- Administrative Decisions- Egyptian Sports Federations

Introduction

Contemporary societies, scientific and cultural productivity, and sporting institutions become facing a massive influx of information that took grow at high rates because of new scientific and technical developments and the emergence of new disciplines. Stands the information as a resource of the organization's resources at the same level, if not higher than that with the rest of the other organization's resources, it has become information Substrate basic decision-making and selection of alternatives, and therefore it echo for all performance events conducted by the decision-makers, as these events are translated in Informatics image.

Information is the axis and fundamental pillar in all administrative processes, Planning needs to be sufficient and accurate information, so that the planned able to prepare successful plans as well as

the organization and direction and control cannot be administrative functions take place without accurate and specific information on each job, experience has shown that a lack of information and poor systems, two reasons in low quality and level of services, and utilization of resources by individuals and society in general. (Chan, 2009)

Decision-making is rational behavior requires a good use of the information, which means that the value of the information being lifted from rational decision-making level by the quality of information used, which means that the information constitutes great importance to the decision-making process, it represents the basic input to the process. (Abdallah, 2013)

Information technology and information systems management structure and functions have changed the planning and implementation of their

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own business style, and information systems roles changed, no longer merely recording and processing of data tools. However, has become a central part in supporting the decision-making process as they are reshaping the business rules in organizations, there is no aspect of the business has not been affected by technology and information. Therefore, information systems have become an essential part of the elements of the success of any organization, as it contributes information systems to improve operational performance in all types and sizes of organizations, as well as to support the decision-making process.

Some organizations have tended recently to the application of information different from traditional management information systems. and within these systems that were used to support and decision support systems are based on computer systems, have been designed in order to improve productivity and increase efficiency through the support of decision-makers and policy-makers, and apply these systems in the long-term, strategic planning and policy development planning areas. (Ramadan, 2009)

Decision support systems is one mechanism designed to improve decision-making organizations operations applications or classifications based information systems on computers, decision support systems help managers in making decisions. so the decision-making and improve the process depends heavily on the quality of information available and used, where you play systems Decision support a major role in supporting and improving the effectiveness of the decision-making process, and through what they offer to the decision makers of accurate and appropriate information can be obtained when needed, as well as its ability to address the preliminary information and modeling problems and provide solutions for decision-makers to make the decision more reasonable. (Constitution of the Arab Republic of Egypt, 2014)

The speed computerized equipment processors in constant and continuous doubled over the last two decades, and the increasing storage capacity significantly. Lower acquisition costs on the one hand, great development boom in the relational and non-relational data management systems, and the spread of free software and open source, and the abundance of information available via the Internet on the one hand other. created in turn a huge revolution contributed to the growing adoption of major institutions, and many of the small and medium enterprises on software solutions used in the completion of the operations relating to the collection of separated data usually between different sources and heterogeneous then restructured and stored for processing and

presentation of information and the results of different indicators in innovative ways and flexible standards multiple dimensions for the decision-making process in organizations.

Decision-support systems is of the most important information that rely on computers, which was a harvest of evolution in information technology during the seventies and eighties as a natural way to use computer systems. This system simply focuses on providing appropriate support to improve the quality of decisions, as it works to achieve this requirement by integrating data, models, and software in an efficient system for decision-making. Given the nature of the composition is of extreme importance, since its inception in carrying ultra-development information technologies, leading to the organization gain a competitive advantage with respect to all of its competitors who do not use these systems.

In addition to the sport has become the industry relies on scientific and modern technology method, all made on all Egyptian sports bodies large and huge responsibility in creating opportunities and potential for the Gifted athlete, comes sports federations at the forefront of these bodies as a sports body with independent legal person of public interest aims to spread game and upgradable, organize and coordinate activity among its members and management of the affairs of the game all the technical, financial and organizational aspects and programs involving sports bodies. (Asemi, et al., 2011)

Although the responsibility lies with the Egyptian sports federations, but they are flawed and vulnerable great administratively and technically make it often does not play the role expected of them as well as the impact on the health of administrative decisions and quality, the results of an evaluation study of the National Council of Youth in 2006. the Egyptian sports federations have confirmed Olympic lack of seriousness of federations to meet the required data, making it difficult to take advantage of them and make the right decision, the study recommended the development of a training plan for the rehabilitation of cadres sports federations in the financial and administrative area, systems and information and provide a number of companies specialized in the field of computer staff federations and requiring all federations to have a pounding database to take advantage including various bodies and Decision Support. (Misdolea, 2010)

Through academic researcher experience and follow-up continued for the activities of sports federations and its many confusion in decision-making and contradictory and lack of authenticity I have noticed, for example, the Egyptian soccer

Association did not put a full schedule of games sports season 2014/2015 from the beginning of the season until the end, but it is weeks mode, respectively.

Accordingly can be formulated in the current study, the problem of "the availability of decision support in the Egyptian sports federations and their relationship to the quality of the decisions and administrative systems obstacles to benefit from the use of these systems."

Methods

The study population consisted of all sports federations Olympic Egyptian (27). According to

Table (1) explain the kind of federation and the number of clubs

Federation	Number of clubs	Federation	Number of clubs
Volleyball	54	Rowing	15
Fencing	9	Taekwondo	17
Shooting	13	Weightlifting	22
Judo	66	Equestrian	8
Athletics	66	Modern pentathlon	21
Swimming	13	Basketball	32
Archery	5	Sailing	6
Wrestling	41	Badminton	8
Boxing	61	Soccer	214
Gymnastics	8	Cycling	13

The instrument: after reviewing and careful study of educational literature and previous studies relevant to the study managed researcher of building study tool for collecting information which monitors the reality of decision support in the Egyptian sports federations systems. In addition, determine the degree of contribution of decision support current systems Egyptian sports federations in the quality of administrative their decisions. and identify impediments to the use of systems decision support in the Egyptian sports federations and detect differences between the views of the study sample according to some variables and have adopted a

Results

Table (2) show the frequency and the ranking of the issues of the scale.

Table 2: How the data is categorized by the ranking of the assets of the board.												
Ranking	%	1		2		3		4		5		No.
		%	Frec.	%	Frec.	%	Frec.	%	Frec.	%	Frec.	
5	72	-	-	13.3	8	35	21	30	18	21.7	13	1
7	64	1.7	1	46.7	28	1.7	1	28.3	17	21.7	13	2
3	75	-	-	20	12	30	18	5	3	45	27	3
1	75.3	-	-	28.3	17	13.3	8	11.7	7	46.7	28	4
1	75.3	-	-	20	12	30	18	3.3	2	46.7	28	5
8	60.6	1.7	1	45	27	1.7	1	51.7	31	-	-	6
4	74	6.7	4	13.3	8	28.3	17	6.7	4	45	27	7
6	67	-	-	21.7	19	18.3	11	33.3	20	16.7	10	8
1	73.6	-	-	-	-	50	30	31.7	19	18.3	11	9
4	60.6	-	-	50	20	-	-	46.7	28	3.3	2	10
2	71.3	-	-	-	-	66.7	40	10	6	23.3	14	11
2	72.3	-	-	21.7	13	1.7	1	75	45	1.7	1	12
1	77.3	-	-	3.3	2	31.7	19	40	24	25	15	13

the official website of the Ministry of Youth and Sports. Representative sample taken society original was strong (25) federation equivalent (92.5%) of the size of the original community.

study was applied reconnaissance on the number of (5) federations are the (golf, handball, table tennis, tennis, hockey) was applied basic study on the number (20) federation and the (rowing, taekwondo, weightlifting, equestrian, modern pentathlon, basketball, sailing, badminton, soccer, volleyball, Fencing, shooting, judo, athletics, swimming, wrestling, boxing, cycling, gymnastics, archery).

researcher in the study building tool on many sources.

- 1- The first axis: the reality of decision support systems in the Egyptian sports federations and included (26) issue.
- 2- The second axis: the decision to support the current Egyptian sports federations and the quality of its administrative systems and included (13) issue.
- 3- The third axis: impediments to the use of decision support in the Egyptian sports federations systems and included (10) issue.



3	71.6	-	-	13.3	8	20	12	61.7	27	5	3	14
4	62.6	-	-	10	6	78.3	41	15	9	6.7	4	15
2	84.3	-	-	10	6	26.7	16	45	27	17.3	11	16
1	76	-	-	8.3	5	26.7	16	41.7	25	23.3	14	17
2	72	-	-	11.7	7	21.7	13	61.7	37	5	2	18
4	67.3	-	-	8.3	5	56.7	34	25	15	10	6	19
5	70.6	-	-	6.7	4	51.7	31	23.3	14	18.3	11	20
3	71.6	-	-	8.3	5	37.3	23	40	24	13.3	8	21
1	78	-	-	3.3	2	28.3	17	43.3	26	25	15	22
2	73.3	1.7	1	10	6	15	9	66.7	40	6.7	4	23
4	69.3	1.7	1	10	6	38.3	23	40	24	10	6	24
5	65.3	1.7	1	13.3	8	50	30	26.7	16	8.3	5	25
3	72.6	1.7	1	10	6	23.3	14	53.3	32	11.7	7	26

Table (2) indicated that:

Uneven sample responses to the first axis issues where it came from in descending order as follows according to the relative importance:

- Took first place after the first (physical capabilities) issues (4.5) by (75.3%), which provide for the (no quick maintenance system in the event of malfunctions in computers Federation.) (Not address the imbalance in information networks rapidly) On respectively.
- Also took first place for the second after the (human resources) ferry no. (9) By (73.7%), which states (Federation has specialized skills in dealing with data and information systems, databases).
- Took first place for the third after the (regulatory) ferry no. (13) By (77.3%), which states (no control styles on databases Federation.).
- Took first place for the fourth after (awareness of its importance) gateway number (17) by (76%), which provides for (Federation Administration rely on decision support in decision-making systems).
- First, place after the fifth (technical) gateway number (22) by (78%), which provides for (software used commensurate with the work requirements in federation).

Discussion

After the previous presentation of the results of the statistical analysis of the sample answers to the questionnaire vertebrae, can formulate the most important results are as follows:

▪ There will fit in the number of computers and the number of workers in those federations staff, and to provide storage virtualization means (stored in an external location using the Internet) for information. Departments of sports federations as to update the information technology (network and related devices) on a regular basis, at a time when a quick maintenance systems there to intervene when breakdowns in electronic networks for systems of decision support in these sports federations, so that

it is to address the imbalance in information networks rapidly, especially since all of them linked to the Union branches across the local electronic network.

▪ That sports federations have the technological infrastructure to help modern use of decision support systems, with the availability of the necessary financial support for the use of decision support systems. In addition, has a human resources and competencies specialized in dealing with databases and information systems, and to the existence of sections (modules) specialized information systems and decision support in every union. In addition to the availability of a sufficient number of qualified personnel to meet, the needs of information for decision support systems, and the presence of workers with training plans to develop their information electronically.

▪ at all necessary for decision support systems and organizational capabilities of the Egyptian sports federations are available, as the systems and methods of control to databases exist, check the status of easy access to reports on the activities of each union, with the presence of all the available data maps in sports federations databases, and also indicate the procedure is pleased to take advantage of its own databases.

▪ There is a good degree of awareness and understanding among boards of sports federations, which belong to the importance of the use of decision support systems management. These departments have come to rely on the support of the decisions in the decision-making systems, and encourages employees to use these systems, and it supports training courses in this area, and the departments of these motivated workers who rely on Decision Support Systems, and supports the efforts of workers to design and develop support systems decision.

▪ fit the software used with the work requirements in the decision support in the sports federations systems, and to update those programs commensurate with the need to work, and the compatibility of systems and programs with devices



that are used, and evaluate the effectiveness of programs by users on a regular basis, and refers to the availability of all instructions necessary to run programs that are used in the completion of the needs of the Egyptian sports federations.

- That decision support systems provide real photos and descriptive about the problems you want to make decisions about it, and that the software used in decision support systems provide periodic reports that cover all aspects of the work of the Egyptian sports federations. In addition, to decision support systems that provide all the information needed by users of charts and graphs.

- Decision support systems that contribute to the support of strategic planning processes, enable the preparation of specialized reports, and simplify administrative procedures to speed completion of the work. They also provide appropriate support in the decision-making and types, and offers a number of solutions and alternatives when faced with any problem.

- There is a possibility to use manual information systems when making a decision in the case of computers crashes, and indicate that the decision support allow analysis of information easily and quickly, so that is characterized by the results of the information as objective and logical sequence, since those systems characterized by high efficiency in providing needed to make information systems resolution, and easily use the information they provide.

- The main obstacles faced by the decision in support of the Egyptian sports federations systems is the fear of some of the results of the transparency of information, and the weakness of the IT infrastructure, and also the weakness of legislation governing trading and protect data and information.

- obstacles to check the efficiency of decision support systems, the weakness of qualified human resources in the field of IT, and understand just a little of the human resources of those systems, and also to the weakness of conviction departments worth of scientific decision, and also the case of restrictions on the data under the slogan of the State Security.

- The decision-making process of moving to the future growth of sports federations and all of its process, and requires the allocation of substantial financial resources. The decision-making process is a complex process and affect many internal and external factors.

- Dominated sports federations and relatively good interest with modern tools to support strategic decision, so that they have to support the decisions of systems available through the availability of data you store information rules, which can be the decision-maker to refer to in similar cases.

- There are shortcomings and lack of theoretical knowledge and experience of the majority of workers sports federation's decision support systems, and this is probably due to the failure or absence of training programs that aim to develop the skills and knowledge of working on these systems.

In order to achieve any objectives decision support system that was designed for it must take into account the principles and conditions that set by (al-Obeidi, Elfadle, 2006) are as follows:

- Decision Support System must contribute to the improvement of decision-making.

- Must include a degree of intelligence about the user's problem.

- Must achieve a sufficient degree of user-system standard in efficiency and cost.

- The system should be used by managers have experience in understanding what it means and how to use the system.

- The system must be under the control of the user regardless of whether the decision support system interactively or synthesis or used directly or indirectly.

- Must include a system (data, models, capacities on the show, and a mediator to represent the decision-making process.

- Must be implemented decision support system through the development strategy to achieve higher efficiency and less risk when the system is set up and put it in the implementation phase.

Conclusion

Based on previous results, the researcher recommends the following:

- The need to educate the Egyptian sports federations departments of the importance of the computerization of administrative, accounting and other information systems to operate as systems dolly for decision support systems in those federations, for what will be a positive impact on the decision-makers, and to clarify the concept of the benefit that can be achieved by decision support systems have.

- Emphasize the importance of using protection programs developed to maintain the privacy of the data, thereby increasing the confidence of those data and outputs in support of decision systems, and to keep pace with the rapid technological changes, and update their systems accordingly.

- The need to organize programs, events and workshops permanent patrol to develop the capabilities and skills of workers in decision support systems Egyptian sports federations, in the use of these systems, including the maximum benefit.



▪ Work on the evaluation of workers in the Egyptian sports federations' staff performance and find out the kinks and weaknesses, and work to give employees more training courses both in administrative areas and in technical areas such as information technology to increase their competence in those areas in order to focus on improving individual and collective performance support systems decision.

▪ must be on the boards of directors of the Egyptian sports federations to believe in the capabilities of its employees to shoulder their responsibilities and activities and work on their participation in will take a decision that would affect the course of their work towards achieving an increase in performance, efficiency and effectiveness, and this shows that the administration shares the staff decisions which creates have feeling the need to prove the trust granted to them by the administration on the one hand, but they are most commonly used for communications networks where they know their efficiency and their ability to meet their needs and the needs of the sports federations of contact and exchange of knowledge on the other hand, this whole decision-support systems.

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