

# THE REALITY OF THE OPERATION OF SPORTS FACILITIES IN THE INSTITUTES OF SCIENCE AND TECHNOLOGY OF PHYSICAL ACTIVITIES AND THE REQUIREMENTS OF THE NEW SYSTEM IN ALGERIA -FIELD AT THE LEVEL OF INSTITUTES OF THE EAST OF ALGERIA-

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## Abstract:

The aim of this study was to shed light on the reality of the management of the sports facilities, and the situation experienced by the students of scientific institutes, and techniques of physical activities and sports, under the new L.M.D system in Algeria.

This study has been conducted, at the level of the Algerian East institutes .where the researcher relied on the descriptive approach, and the research community was the institutes of science and technology, of physical activities and sports.

The sample consisted of: the students and teachers of these institutes.

This study has concluded that the management of the sports facilities are conducted in a random and a not well thought out manner that does not meet the requirements of the new system in Algeria.

**Keywords:** Management, Sports facilities, L.M.D system in Algeria.

## 1/Problematic:

Sports facilities are considered as the key element of practicing sports activities generally and practicing sports in the institutes of science and technology of physical and sports activities specifically. And this is what such institutes are offering, sport teachers, trainers, monitors, professionals specializing in the field...etc. The act 04/10 dated the 14<sup>th</sup> of September 2004 which concerned with the physical and sports activities have provided a special chapter. Though, the eleventh chapter was entitled: "The Sports Equipment and Facilities". Nowadays, sports activities suffer from a sequence of mistakes that may reduce the effectiveness of these facilities inside the institutes of science and technology of physical and sports activities. That is exactly what affects negatively on the students' training in such institutes. Therefore, it is obligatory to talk about

several conditions such as: (Technical conditions, health and security conditions...etc). So it would be better if the facilities situated in these institutes are based on scientific foundations and universal standards; shuffling the randomness off in order to assume achieving a better results.

### 1.1/ Research Questions

**A.** Are there specialized trainers for the management of sports facilities in the institutes of science and technology of physical and sports activities?

### 2/ Hypothesis

Sports facilities of the institutes of science and technology of physical and sports activities lack trainers and managers who are specialized in the field.

### 3/ The Aims of the Study

Amongst the objectives that we want to accomplish, there are:

-To get to know about the actual situation at sports facilities of the institutes of science and technology of physical activities and sports as well as identifying the case that it is going through.

-The personal view of students of the institutes of science and technology of physical activities and sports concerning the sports facilities found in their institutes.

-Shedding light on the manner of managing sports facilities in the institutes of science and technology of physical activities and sports.

### 5/ The importance of the topic

The importance of our research is strictly identifying the reality of sports facilities in some institutes of science and technology of physical activities and sports of the east of Algeria, by highlighting the effective role played by facilities in the good composition of students of physical education and sports in the new system of LDM because they are considered as the future of sports in Algeria.

### 6/Identifying the Research Vocabulary

#### -Sports Facilities:

**-Facility:** Plural: facilities which are a workplace or industry that combine machinery and workers.

**-Sports Facilities:** Is the key element for the management of sports activities to be developed in accordance with the capabilities available to them. And it is the administration that ensures the achievement of its objectives.

**-Procedural definition:** Sports facilities are public administrative institutions whose task is to conduct and organize sports practice of all kinds and in all fields, whether competitive, recreational, school...etc.

**-Configuration:** A schematic work consisting of a set of programs designed to teach human resources how to perform their current work with a high level of efficiency, by developing and improving their performance "(Bovlja Giyath 1994 pg 4)

- **Procedural Definition:** Formation is the process of apprenticeship (forming) with a training course within and outside the institution in order to increase their knowledge and information, thus improving their abilities and skills, in order to achieve their goals and objectives of the institution

**Students of Physical Education and Sports:**

**-Education: Language:** The word education means “educated”, “is educating” and “educate”. Which means “increased” and “grown”. And it also has been said: I educated him and I made him grown. (Ibrahim Esmat Mutawa. Origins of Education Dar Al - Arab Thought p31).

- God Almighty said, " God will strike usury and give charity " [Al-Baqarah-276-]

- **Education: A convention:** is the process through which it can reach the body and spirit to the maximum perfection, through the disclosure of the power inherent in it and work on development and guidance.

- **Physical education:** "It is an integral part of public education aimed at preparing the right citizen in the physical, mental, emotional and social aspects through physical physical activity to achieve these characteristics" (Dr. Marwan Abdel Hamid Ibrahim, 2000 p. 255).

-**Procedural definition:** An integral part of public education aimed at improving performance through sports activities.

**Language:** Satisfied, tamed, seductive and tamed, athletic. It is the movements of the body gain strength and flexibility. (Youssef Shukri Farhat 2001 p. 236

**A convention:** is a set of physical exercises and physical activities to form the individual physically and mentally.

-**L.M.D:** The new system L.M.D

-**System:** A system is a set of parts and subsystems, sub-systems that overlap the relationships between them and the system that ensures them, each of which depends on the other in achieving the objectives pursued by the total system (EL Megherbi, Abdelhamid. 2002:p46).

-**Procedural definition:** The system is an integrated and overlapping structure in which several interrelated elements are involved in order to manage it in a consistent manner to serve a particular purpose.

- **L.M.D system:** Is a new system listed by the Ministry of Higher Education and Scientific Research consists of three words, the first sign the word License, the second is Master and the third is PHD. ( The Official Newspaper of the Algerian Republic, number:48).

**7.The Exploratory Study:** The exploratory study is the first step that helps the researcher to provide an overview of the aspects of the field study. The study aims to ascertain the appropriateness of the place of study for research, to verify the validity of the tool used to collect information and to know the time and the required time to conduct it. And search for possible hypotheses

-We have conducted the field study at the level of some of the institutes of science and technology of physical activities and sports in the east of Algeria. The Institute of Science and Techniques of Physical and Sports Activities of Constantine was selected by the University of Abdel Hamid Mehri Constantine 2 and the Institute of Science and Techniques of Physical and Sports Activities of the State of Mssila Mohammed Boudiaf University and Institute of Science And techniques of physical and sports activities for the state of Umm al-Bouaghi Arbi ben Mihidi University and the Institute of Science and Technology Physical and Sports Activities of the State of Betna University Haj Lakhdar. Therefore, we will examine the field of study in terms of definition, history, legal framework, organizational structure, tasks, material and human resources...etc.

## 8. Research Areas

**8.1. Historical Field:** The course of the study extended from October 2016 to June 2017.

**8.2. Locational field:** The study was administered in some institutes of science and technology of physical and sports activities in the east of Algeria. It is as follows:

- The institute of science and technology of physical and sports activities of Constantine.
- The institute of science and technology of physical and sports activities of Mssila.
- The institute of science and technology of physical and sports activities of Oum el Bouaghi.
- The institute of science and technology of physical and sports activities of Betna.

**9. The Research Population:** The population of this research consists of a group of teachers and students of the institutes of science and technology of physical and sports activities. And the population is as follows:

- The institute of science and technology of physical and sports activities of Constantine (**28 teachers and 83 students**)
- The institute of science and technology of physical and sports activities of Mssila. (**34 teachers and 1851 students**)
- The institute of science and technology of physical and sports activities of Oum el Bouaghi (**98 teachers and 2580 students**)
- The institute of science and technology of physical and sports activities of Betna. (**30 teachers and 1300 students**).

### 9.1. The sample of the research and how do we choose it

Our study includes a group of teachers and students in some institutes of the east of Algeria. Hence, the choice of the sample is as follows:

- A sample of teachers is picked up from the original population with a percentage of (**50%**) and we have gotten a sample of **95** teachers. There are 14 teachers from the institute of Constantine, **17** teachers from the institute of Oum el Bouaghi, **15** teachers from the institute of Betna and **49** teachers from the institute of Mesila).
- A simple of students is picked with the percentage of (**10%**) from the original population and we have gotten **656** students. There are **83** students from the institute of Constantine, **185** students from the institute of Oum el Bouaghi, **130** students from the institute of Betna and **258** students from the institute of Messila).

## 10. The Research Methodology

In order to complete this study, we decided to use the descriptive approach in the field study to obtain the data from its main sources and to test the validity of the hypothesis for acceptance or rejection. The descriptive approach attempts to reveal the phenomenon studied by relying on a questionnaire form that was designed according to the accepted scientific method.

## 11. Socometric characteristics (honesty and consistency) of the questionnaire

### 11.1. The apparent truthfulness: (The examiner's appreciation)

The researcher presented the questionnaire to a group of examiners consisting of (06) relevant professors who are specialists in the field of study. The questionnaire was given to the teachers to confirm whether it was certified or not. Thus, the result was quite positive, though not scientific or

statistical. Moreover, it seems to be related to the sample as far as the expressions and the difficulties are concerned.

### 11.2. Analysis of the questionnaire:

It is an important factor that must be valid for the use of any test or questionnaire, and the fixed measure is the same results when measuring the same person for many times under the same circumstances.

- The researcher applied the Alpha Cronbakh stability factor for the purpose of verifying the stability of the study instrument on the scores of the sample members. Although the measurement rules in the value to be obtained are not specified, obtaining (0.60AAAlpha) General is acceptable, and the following table shows the results of the stability tool for this study.

- We have obtained the following results:

**Table01:** Coefficient of the internal consistency of the tools of research of both the teachers and students ( Alpha Cronbakh's measurement)

	Parts	Alpha Cronbakh's scale	Number of paragraphs	Level of the measurement
Questionnaire	The teachers' part	0.970	8	Very good
	The Students' part	0.942	8	Very good

**Source:** Prepared by the researcher based on SPSS outputs

- Table 1 shows that the scale of Alpha Cronbach varies between 0.96 and (1) for the focus of the teachers' questionnaire, ranging from 0.80 to 0.90 concerning the students' questionnaire. This indicates a strong coefficient of stability, and therefore an internal consistency between the paragraphs of the questionnaire.

-Thus, we conclude that the questionnaire is characterized by honesty and high stability, which makes it valid as a measuring tool on the research sample.

### 12. Tools of Research:

The questionnaire was used to collect data for the study

#### 12.1. The form addressed to the teachers:

**The teachers' part:** Management of facilities, equipment and mathematical gear in the institutes of science and technology of physical and sports activities

#### 12.2. The form addressed to students:

**The Students' Part:** Management of facilities, equipment and mathematical gear in the institutes of science and technology of physical and sports activities

**13. Statistical methods used in the study:**

**A. Percentage:** It is the number of duplicates 100 X the number of sample and it can be counted as follows:

$$\begin{array}{l} S \quad \longrightarrow \quad 100\% \\ D \quad \longrightarrow \quad P \end{array}$$

Hence, The S is the number of sample

The D is the number of duplicates

And the P is the percentage.

**B. The Medium:** One of the most important measures of central tendency, also called the arithmetic mean, and also its name is the medium, is the sum of the vocabulary of a community or sample divided by the number and symbolized by the symbol "P" OR "X".

$$\text{Hence, } \bar{X} = \sum_{i=1}^n \frac{X_i}{ni}$$

**C. Mean:** It is the most important measurement of fluctuation which measures the different extended scales from one another. It represents the square root of the divergent where: The square root of the value box represents the subtraction of the arithmetic mean, dividing the number of scales. It is denoted by the symbol "P".

And it is counted as follows: 
$$S = \sqrt{S^2}$$

The divergence is counted as follows: 
$$S^2 = \frac{\sum(X - \bar{X})^2}{n}$$

Coefficient of **Cronbakh Alpha:** To confirm the stability of the meter used

**Note:** Data was processed using Excel in addition to the Arab processor in social statistics APSS.

**14. The Presentation, the Analysis and the Discussion of the Results of the Questionnaire:**

After conducting the statistical analysis of the questionnaire, we will present, analyze and discuss the various results, based on the SPSS outputs, in calculating the medium and the mean for all the terms of the questionnaire and according to the axes, Though, the important fluctuating measurements are the ones through which we can know the divergence and differing data from the arithmetic mean.

1 / **Presenting and analyzing the sample's responses to the terms of the teacher's axis:** the functioning of facilities and equipment and sports gear in the institutes of science and technology of physical and sports activities.

**Table (2):** the mediums and the means of the terms of the axis as a whole (the reality of running facilities, equipment and sports gear in the institutes of science and technology of physical and sports activities).

**- teacher's axis: the reality of the functioning of facilities and devices and sports gear in the institutes of science and technology of physical activities and sports.**

Sample's direction	the mean	The medium	Totally disagree	disagree	Somewhat disagree	agree	Totally agree	Frequency and percentage	Columns	Columns's number
Totally agree	0.56	4.53	0	0	3	39	53	frequency	It is preferable to have an interest in the functioning of facilities and sports equipment at the level of the Institute to facilitate the work within the Institute.	15
			00%	00%	03%	41%	56%	percentage		
Totally agree	0.48	4.63	0	0	0	35	60	frequency	Steering is the set of coordinated and integrated processes performed by the responsible.	16
			00%	00%	00%	37%	63%	percentage		
Totally agree	0.44	4.35	0	0	0	25	70	frequency	The admin (responsible) is the person who can do the work and accomplish the tasks through others. He is the controlled activator, the coordinator of the efforts of others to achieve a common purpose.	17
			00%	00%	00%	26%	74%	percentage		
Totally agree	0.75	4.74	0	2	10	36	47	frequency	Managers of sports facilities are professionally qualified to fill their positions.	18
			00%	02%	11%	38%	49%	percentage		
agree	1.77	4.04	5	8	9	29	44	frequency	The conduct of sports facilities is currently applied in a good institute pattern.	19

			05 %	08 %	10 %	31 %	46 %	percen tge		
<b>agree</b>	1.22	4.03	8	4	9	30	44	frequen cy	The current policy of the functioning of the facility needs to be changed	20
			08 %	04 %	10 %	32 %	46 %	percent age		
<b>Totall y disagr ee</b>	0.42	1.23	73	22	0	0	0	frequen cy	Students' results are influenced by the nature of the facility.	21
			77 %	23 %	00 %	00 %	00 %	percent age		
<b>Totall y disagr ee</b>	0.46	1.32	65	30	0	0	0	frequen cy	Negative consequences resulting from the existence of administrative problems with the managers of sports facilities.	22
			65 %	30 %	00 %	00 %	00 %	percent age		
<b>Sample's direction agree</b>	<b>The mean</b>  1.56	<b>The medium</b>  3.61	<b>percentage</b> %72.2			<b>The overall average of the axle as a whole</b>		<b>Column's number</b> (8) columns		

Source: Prepared by the researcher based on SPSS program outputs

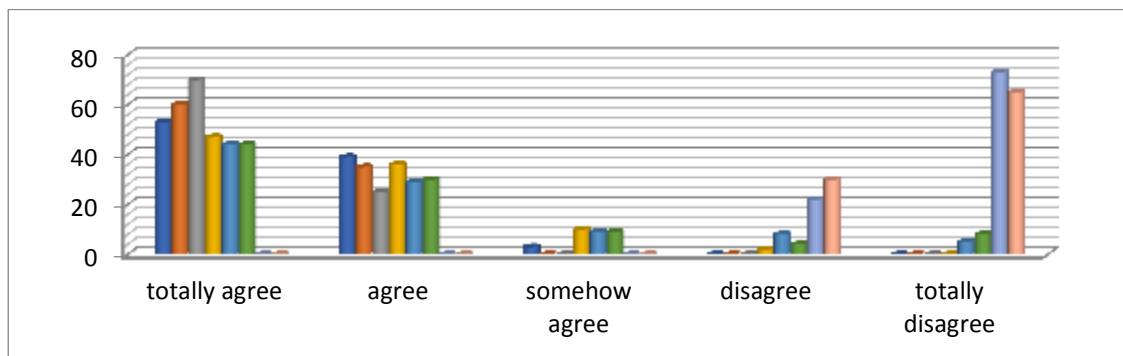
- **Commenting on the table:** Through the table above the axis terms of the questionnaire concerning the teachers, which was entitled "The importance of running facilities, equipment and mathematical gear in the institutes of science and technology of physical and sports activities" the results were as the following: the mediums were in between (4.74 / 1.23), with a general medium of (3.61) on the five dimension scale of Likert. It refers to the importance of sports facilities in the institutions of science and technology of physical activities and sports, as the first place is the column "the managers of the sports establishment professionally qualified to occupy their positions." With an average of 4.74. it is within a perfectly valid range on the five dimension scale of Likert, which is much higher than the general medium of 3.61 and with a standard mean of (0.75) which means that the managers of the sporting establishment are performing their duties on "The students' results are influenced by the nature of the facility." With an average of 1.23, this falls within the area of disagreement on the five dimension scale of Likert, with a standard mean of (0.42). This means that the nature of the management does not affect the results of the students. It refers to the importance

of sports facilities in the institutes of science and technology of physical activities and sports, as the first place is the column "the managers of the sports establishment professionally qualified to occupy their positions." With an average of 4.74. It is within a perfectly valid range on the five dimension scale of Likert, which is much higher than the general medium of 3.61 and with a standard mean of (0.75) which means that the managers of the sporting establishment are performing their duties on "The students' results are influenced by the nature of the facility." With an average of 1.23, this falls within the area of disagreement on the five dimension scale of Likert, with a standard mean of (0.42) which means that the nature of the management does not affect the results of the students.

**- Conclusion:**

In general, it turns out that the management of sports facilities and equipment in the institutes of science and technology of physical and sports activities is of great importance from the point of view of the surveyed teachers. This is confirmed by the total medium of 3.61, which emphasizes the importance of management in the sports facilities of the institutes of science and technology of physical activities and sports.

**Figure (1):** A diagram showing the sample answers on the terms of the whole axis (the reality of running facilities, equipment and sports gear in the institutes of science and technology of physical and sports activities).



**Source:** Prepared by the researcher based on SPSS and EXCEL outputs

**- 12-2 / Presenting and analyzing the sample’s responses to the terms of students’ axes:** the reality of the functioning facilities and equipment and sports gear in the institutes of science and technology of physical and sports activities.

**Table (2):** mediums and standard means of the terms of the axis as a whole (the reality of running facilities, equipment and sports gear in the institutes of science and technology of physical and sports activities).

- The third axis: the reality of the running of facilities, equipment sports gear in the institutes of science and technology of physical and sports activities.

Sample's direction	The mean	The medium	Totally disagree	disagree	Agree somehow	agree	Totally agree	Frequency and percentage	Columns	Column's number
<b>Totally agree</b>	0.51	4.57	0	2	0	274	380	frequency	The inclusion of sports specialty in the administration and management in the institutes of science and techniques of physical and sports activities allows the formation and training of specialized responsables in the conduct of sports facilities.	16
			%00	%16	%00	%35	%49	percentage		
<b>Totally agree</b>	0.72	4.3	0	0	101	260	295	frequency	It is good to have at the Institute's level an interest for the management of facilities and sports equipment.	17
			%00	%00	%15	%40	%45	percentage		
<b>Agree somehow</b>	1.43	3.01	134	129	128	128	137	frequency	Poor management is due to the lack of facilities, stadiums and equipment.	18
			%21	%19	%18	%18	%24	percentage		
<b>Agree</b>	1.27	3.7	45	81	140	149	241	frequency	Directing (steering) is the set of coordinated and integrated processes performed by the admin (director)	19
			%07	%12	%21	%37	%23	percentage		

<b>Somehow agree</b>	1.43	2.99	137	128	128	129	134	frequency	The admin is the person who can do the work and accomplish the tasks through others. He is the controlled activator, the coordinator of the efforts of others to achieve a common purpose	20
			24%	18%	18%	19%	21%	percentage		
<b>Totally agree</b>	0.67	4.46	0	6	47	243	360	frequency	Crowding in the practical sessions is due to poor management in terms of timing.	21
			00%	01%	07%	37%	55%	percentage		
<b>Disagree</b>	1.31	2.01	340	140	49	82	45	frequency	The way your sports facilities are run at the institute you study is excellent.	22
			52%	21%	08%	13%	06%	percentage		
<b>Agree</b>	1.31	3.99	45	82	49	140	340	frequency	The method of running sports facilities at the Institute is very weak.	23
			06%	13%	08%	21%	52%	percentage		
<b>Sample's direction agree</b>	mean 1.41	medium 3.63	percentage %72.6	The overall average of the axle as a whole				<b>Column's number</b> (8) columns		

**Source:** Prepared by the researcher based on SPSS program outputs.

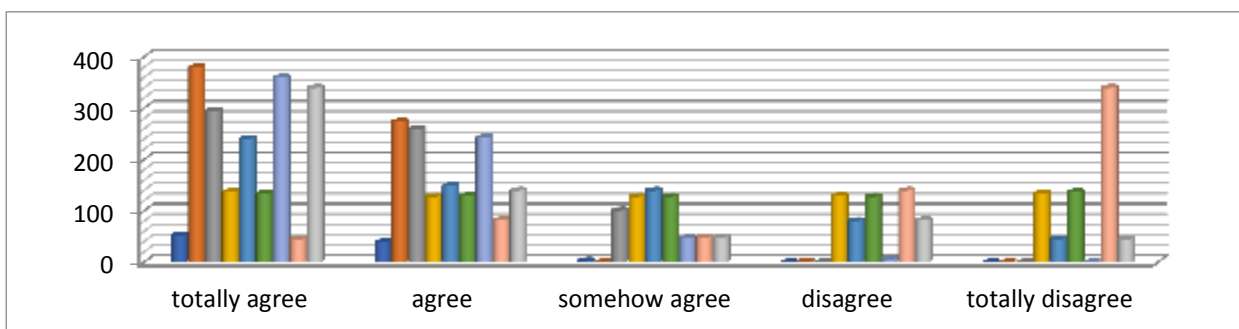
- **Commenting on the table:** Throughout the table above showing the axis of the students' questionnaire which was entitled "The reality of the operation of facilities, equipment and mathematical equipment in the institutes of science and technology of physical and sports activities". The results were as follows: The mediums ranged between (4.57 / 2.01) with a general medium of (3.61) on the five dimension scale of Likert. It indicates the importance of sports

facilities in the institutes of science and technology of physical activities and sports. In the first place was the inclusion of the specialization of sport administration and management in the institutes of science and technology of physical and sports activities, which allows the training of specialized responsible in the management of sports facilities. With a medium of 4.5, it is situated within a perfectly valid range on the five dimension scale of Likert, which is much higher than the general medium of 3.63 and with a standard mean of (0.75). The method of running the sports facilities in the institute where you are studying is excellent. "With a medium of (2.01), this falls within the area of non-approval completely on the five dimension scale of Likert, and a standard mean of: (0.42).

### - Conclusion:

In general, it turns out that the management of sports facilities, and equipment in the institutes of science and technology of physical and sports activities is of great importance from the point of view of the studied teachers. This is confirmed by the total medium of (3.63) located on a field acceptable on the five dimension scale of Likert, with an estimated percentage of 72.2% Which emphasizes the importance of management in the sports facilities of the institutes of science and technology of physical activities and sports.

**Figure (2):** A graph showing the sample's answers on the terms of the third axis as a whole (the reality of the functioning of facilities, equipment and sports gear in the institutes of science and technology of physical and sports activities)



**Source:** Prepared by the researcher based on SPSS and EXCEL outputs

### 13 /the Discussion of the results:

After presenting the results and analyzing them in the previous chapter, whether for the teachers or students questionnaire and by obtaining the results from the teachers and students, the statistical data were processed after conversion to numbers, which allowed us to process them statistically. Considering the hypotheses that we have previously presented in the introductory chapter with the results obtained from the field experience, we will come up with a final set of conclusions regarding each hypothesis we presented, thus confirm or reject the hypothesis according to the results mentioned in Chapter 5. We will suggest personal solutions that will benefit in improving and increasing interest in sports facilities of the institutes of science and techniques of physical and sports activities in order to improve the training of students. Through this element, we will confirm or reject the hypothesis that we presented.

**13-1 The VS the hypothesis:** "Sports facilities in the institutes of science and technology of physical education and sports suffer from lack of specialized managers"

**Table (3):** represents the hypothesis test.

<b>Hypothesis:</b> Sports facilities in the institutes of science and technology of physical education and sports suffer from lack of specialized managers.			
<b>The result</b>	<b>The medium</b>	<b>Important columns</b>	
<b>Hypothesis confirmed</b>	4.35	Column (15)	Teacher's questionnaire
	4.74	Column (18)	
	4.04	Column (19)	
	4.57	Column (16)	Student's questionnaire
	4.3	Column (17)	
	4.46	Column (21)	
	4.41	6 columns	

**Source:** Prepared by the researcher based on SPSS program outputs.

Throughout the results in columns (15), (18), (19) from the teacher's axis, and the columns (16), (17), (21) from the student's axis, we find that the overall rate of the medium is (4.41) which is located in the area (4.21- 5): on the five dimension scale of Likert completely OK which means that the Partial Hypothesis number three is confirmed, and this is what the most important results of the similar study reached under the title of the 'reality of university sports under the management of sports facilities'. This study reached the following results:

- In order to reach the success of university sport, all the material and human potential must be provided and applied according to international standard in order to be in parallel with the current development.
- There must be leaders with sufficient competence and experience to run sports facilities according to scientific and global methods.
- For the success of university sports, every sports facility must have a highly qualified professional specialized in the field.

**General conclusion:**

Through this study; we conclude the following points:

**• For teaching in the institutes of science and technology of physical and sports activities (professors):**

- Some teachers suffer from a lack of tools and sport materials.
- Some teachers suffer from lack of sports facilities and lack of play areas.
- The time table of the program does not allow the achievement of the goals set.

- Most institutes of science and technology of physical activities and sports rely on public sports facilities
  - **For training in the institutes of science and technology of physical and sports activities (students):**
    - There is a great interest of students in attending practical sessions.
    - Most students find that play areas are not suitable for sports activities.
    - Students believe that the teaching means used are inappropriate for skills.
    - Students see that one lesson per week is not enough to practice and learn all sports activities.

**- Conclusion :**

In this modest study, we discussed one of the most important pillars of the higher education system in the institutes of science and technology of physical and sports activities, namely, sports facilities, which are of great importance in improving the training and formation of the graduates of institutes such as professors, trainers, managers, Institutes of science and techniques of physical and sports activities, but suffers from many problems and difficulties.

From this point of view, we discussed the subject of our research "The reality of running sports facilities in the institutes of science and technology of physical activities And the requirements of the new LMD system in Algeria

Field study at the level of some institutes of the east of Algeria'

"Despite all the efforts to build facilities and provide sports equipments by the public authorities in various institutes as well as work on maintenance and renovation, but the reality proves the existence of a number of difficulties and problems in the management of facilities and control by the managers. The main purpose behind providing sports facilities and equipment in the institutes of science and technology of physical and sports activities is to upgrade the level of graduates of institutes and improve their training and formation in all aspects, especially under the new system of the LMD, which aims mainly to raise and improve the quality of higher education in Algeria and improve the efficiency of its outputs.

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