## Effect of using virtual classroom on some learning outcomes in basketball for students of the Faculty of Physical Education \*Dr/ Nada Mahfouz Abd Al-Azim Kapoh

## \*\*Dr/ AlShaimaa Abdel Fattah Al-khfif Introduction and research problem:-

Rapid developments in the technical field Perform to emergence of new patterns of learning and education, To increasing the stabilization of individual or self learning, where the learner follows his according learning to his energy, ability and speed of learning according to his previous experiences and skills, E-learning is considered one of the most advanced computer-based and networked forms of knowledge and skills transfer. Its applications include web learning and virtual classrooms. (2:11)

The educators differed in clarifying what it was the virtual reality... Some see it as an industrial environment or real industrial, and some of them see space or technological technology, but the most common concept is virtual reality, which includes a computer system that enables an individual or group of improve real individuals to

reality. allowing them the ability to control modification and change, Which is shown to us by the collection of images, films, sounds and sensory stimuli that make up a virtual world similar to the reality, we mean virtual learning environments called virtual universities. Virtual Classroom, virtual teacher, and virtual labs. (24: 4, 5)

Thus, the use of the World Wide Web has influenced education the process, Both in a way the performance of the teacher or learner and their interaction. where he confirmed the joda sada and Adel Sartawi (20017) (8). Mohamed Zin eldin (2007) (28), because of the positive results achieved by the use of information networks in raising efficiency of the the educational process... There education many are applications across networks have been remarkably, The most important of which are

<sup>\*\*</sup> Doctor Lecture at department of the theories and applications of collective sports, and racket sports, Faculty of physical education Sadat city university.

Assiut Journal For Sport Science Arts

<sup>\*</sup> Assistant Professor at department of the theories and applications of collective sports, and racket sports, Faculty of physical education Sadat city university.

the Virtual Classroom that began to rely on after achieving good results at the global level, and their positive impact in supporting the educational system and raising its efficiency.

The current and future demands of the work market. including high-quality scientific and technological progress, and the impact of these scientific, technological educational data and on teaching and learning processes, require us to adopt quality education standards through the introduction of elearning programs, Learn and qualify students to ensure their efficiency. (29: 188, 189)

Basic skills are considered as the backbone in basketball, Is the essence of the performance of this activity, and in the case of attack and defense the team has the opportunity to score points and win the game.

Mentionsed both are Abdul Aziz Ahmed al-nimr. Medhat Saleh Sayed (1998) skills the basic of that basketball all the are fundamentals of mobility with different duties, which are performed in the framework of the law of the game, whether ball or without. The extent of proficiency of any team for all forms of basic skills are the most important factors that lead To success and excellence, as there is no basic skills between what is important and what is less important because the player is in need of all the skills of the game throughout the matches. (17: 17)

There is also а multiplicity of research on the technology of teaching and learning in basketball, such as study Fatima Bassiouni (2005), 22 Saeed Al-Ramadi (2006). 12 Walid Hussein (2012)2013). 9 all of which recommended the use of technological methods in the teaching of basketball courses. However, within the limits of the knowledge of the two researchers, the use of virtual classes is still new in the field of teaching courses of the faculties of physical education and sports in general, and basketball in special.

Which led the researchers to the idea of using the virtual classroom in the teaching of basketball course, in order to overcome the increase in the number of female students in lectures and inappropriate use of the traditional method. which depends on verbal explanation and performance model in the teaching of basketball skills .. This weakens the process of positive communication between students and teaching staff And negatively affects the level of cognitive achievement And the ability of students to learn these skills at the required level. It should also be noted that the environment of the Faculty of Physical Education in Sadat City includes students from centers and cities spaced, which adds importance to the use of virtual classroom in increasing the level of communication between teaching staff and students, So the current search tries to identify the effect of the use of virtual classroom on some learning outcomes (skill Knowledge) in the basket ball for the second year students at the Faculty of Physical Education. Sadat City University?

#### Terms used:

#### Virtual Classroom in research:

Is an environment that enables students and teachers to communicate simultaneously using Interactive written conversations. Which are textbased, audio and video-based. as if they were face-to-face in traditional classrooms, using tools. techniques and webbased software enabling the teacher to publish lessons. aimes. assignments, and contact with students Through these techniques, students are able to read lessons, solve send assignments. tasks. participate in discussion, and learn the steps of the lesson. (40)

#### **Research objectives:-**

To identify the effect of the use of virtual classes on some learning outcomes (skill knowledge) in basketball for second - year students at the Faculty of Physical Education -Sadat City University.

#### **Research Hypotheses:-**

1. There is a significant statistical differences between the averages of the two pre measurements from the control and experimental groups in the basketball skills tests under discussion in favor of the experimental group.

2. There is a significant statistical differences between the averages of the two pre measurements from the control and experimental groups in the result of the knowledge test for the basketball skills under discussion in favor of the experimental group.

3- There are differences in rates of improvement between the averages of the two pre measurements from the control and experimental groups in the basketball skills tests under discussion in favor of the experimental group.

4- There are differences in rates of improvement between the averages of the two pre measurements from the control and experimental groups in the result of the knowledge test for the basketball skills under discussion in favor of the experimental group.

**Research procedures:** 

## First, the research methodology:

The **researchers** used the experimental method, using the experimental designs of measure (pre-pre) of two groups, one control and the other experimental, in proportion to the nature of this research.

# Second, the research community:

Students of the second year of the Faculty of Physical Education Sadat City University for the academic year 2017/2018, and the number (183) students. **Third: The research sample:** 

Was selected the basic research sample (basic, exploratory) in a

random way the number of the basic research sample was (60) students from the second group, and they were divided into two groups:

\* The first group (experimental): The number (30) students .. Has used the program of virtual classes room in learning the skills of basketball under discussion.

\* The second group (control): The number of (30) students .. Has used the traditional way (verbal explanation and performance of the model) in learning the skills of basketball under discussion.

The researchers apply the program on (15) students from the secondyear and outside the basic research sample (sample exploratory), to conduct exploratory studies of the program of virtual classes room,

They have also been used a number of 60 students from the third year were also hired to calculate the scientific transactions for the physical and skill tests under discussion and to design the knowledge test for the basketball skills under discussion.

1- Moderate distribution the data of the research sample: attachment (1 / a)

Fourth: Identify the learning outcomes under discussion:

The two researchers identified the learning outcomes (skills knowledge) under discussion by reference to the curriculum course for the basketball for students of the second year of girls in the Faculty of Physical Education, Sadat City University for the academic year 2017/2018, which included skills: (pass) Peaceful correction).

## Third, tools and means of data collection:

1- Devices and tools used in the research: attachment (1 / b)2- Growth rates: attachment (1 / c)3 Personal interviews:

3- Personal interviews: attachment (2)

4- Tests (physical and skill) used in research: attachment (3), (4)

4- Data registration forms and test results: attachment (5) Sixth: ExplorationStudies:

A) Calculation of the Believe coefficients of the tests under discussion: attachment (1 /

B) Calculation of stability coefficients Tests under discussion: attachment (1 / E) Seventh: The knowledge test (prepared by the researchers):

attachment (1 / F) Shows the steps and stages of design the knowledge test for the skills under discussion.

Eighth: Design of the Virtual Classroom program under discussion: attachment (1 / G)

Ninth: Plan to application the basic research experience:

It was applied Plan of the Basic Research Experience and Measurements under the supervision of the researcher and the assistants. Where uniformity of circumstances was observed during the measurements (post, pre). according to the time plan shown in Table (1).

Table (1)

## Plan to apply the research measurements (post, pre) and basic research experience

the plan	day	date	group	Arrange the tests			
Post	Saturday	24/2/2018	Experimental	Test verbal			
measure	Sunday	25/2/2018	Control	intelligence then physical tests			
The beginning of the use of virtual classroom Tuesday 27/02/2018							
The end of the use of virtual classroom Tuesday 17/04/2018							
Pre	Wednesday	18/4/2018	Experimental	Test verbal intelligence			
measure	Thursday	19/4/2018	Control	then skill tests			
Tenth: Equal Sample Research: attachment (1 / H)Based on the opinions of the experts in basketball and teaching methods, the researchers prepared the virtue classroom program for the experimental							
Assiut Journal For Sport Science Arts							

D)

12). (attachment the traditional program (verbal explanation and performance of the practical model) for the control group (attachment 13), Where the basic search experience was applied on the two groups during the period from Tuesday 27/02/2018 until Tuesday 17/04/2018, With the two assistance in the basketball division in the college attachment (6).The attachment (1 / i) explains the main axes the of implementation of the basic research experience.

## Twelfth: Statistical Processes:

In the light of the objectives and research hypotheses, the researchers

used the statistical program (SPSS) to process the data using the following statistical methods: arithmetic mean. standard deviation. Medium. skewness, Test (t) to calculate the significance of differences, The simple correlation coefficient of Pearson. Multiple correlation coefficient, The percentage of improvement was (%). The two researchers accepted the level of statistical significance at (0.05) in two directions, and one direction.

## Presentation and discussion of the results: -

First: Presenting and discussing the results of the hypothesis of research (one and third):

#### Table (2)

groups in the basketban skins tests in question $11 = 112 = 00$							
variables	Measure	Control		Experimental		Calculate	Improve
	unit	mean	s.d	mean	s.d	'T' value	ascription
Push scroll	Degree	66.41	5.18	82.44	4.32	*12.80	%24.14
Running with the ball rolling	second	17.89	1.75	14.10	1.64	*8.96	%21.19
Sit shot	Degree	5.20	0.68	6.10	0.77	*4.20	%17.31
Lay-up-shot	Degree	5.09	0.63	5.94	0.54	*5.52	%16.70

# The significance of the differences Of the control and experimental groups In the basketball skills tests in question N 1 = N 2 = 60

\*The value of (T) of the table at dgree (N 1 + N 2 - 2 = 58), the level of significance (0.05) in one direction = 1.671



### Figure (1)

#### The differences between the averages of the pre measurements of the control and experimental groups and improvement rates in basketball skills tests are under discussion

As shown in Table (2). and from the results obtained graphically in Figure (1) there are statistically significant differences between the of the averages pre measurements of the control and experimental groups in the basketball skills tests under discussion (chest pass. dialogue, correction of the stability, peaceful correction) favor of and in the experimental group, as well as the variations the in improvement rates in the measurements of the skills tests discussion. under ranged between (16.70% to 24.14%), Where came test the pass with push (The pass skill) in the first ranking with an improvement rate of (24.14%) while the sloping run of the ball (skill dialogue) came in the second ranking with an improvement rate (21.19%) and came in The test of free throw (the skill of correction of stability) in the third arrangement with an improvement rate of (17.31%),

and then came the pacification test (the skill of peaceful correction) in the fourth and final rate of improvement rate (16.70%) and in favor of the experimental group.

The researchers attributed the differences in favor of the experimental research group to the virtual classroom under the researcher made the students participate in the making of the educational process and also helped cover a large number of students and limited the obstacles of communication between the researchers and students, in addition to the high speed in dealing and responding according individual to differences of students, It also provides the opportunity for students to freely choose the educational material that is appropriate to the nature of their ability to learn.

Nader Shimi (2010) notes that virtual classrooms particularize Features user interfaces have easy to conform to the needs of learners and help them explore handle virtual how to classroom tools, , and provide use learning an easy to environment. greatly that reduces frustration that can,to be infected by learners in the event of difficulty in use, and depends on the development of digital learning environments on a basic basis, learning occurs through participation, exchange of and thus an of experiences learners occursThrough relationships that connect them to each other in virtual classroom sessions. (30: 13)

This is consistent with the conclusion of the results of each study Zongkai Yang and Qingtang Liu (2007) (39), Alfred Rovai et all. (2009) (33) Lynn McBrien et all (2009) (35), Faiza Al-Maghraby and Nadia Sindi (2013) (21), Hoyeda Sayed (2015) (31)

Hamad Al-Ghunaim (2016) (10) which indicated the positive effect of using virtual classe room in learning the courses and variables under these studies.

In light of the above, it is clear that the hypothesis of the first and third research is Where achieved the researchers confirmed the existence of statistically significant differences, As well as differences in the rates of improvement between the of the averages pre measurements of the control and experimental groups in the skills of basketball under discussion: (chest pass. dialogue, correction of stability, peaceful correction) and in favor of the experimental group.

Second: Presenting and discussing the results of the hypothesis of research (second and fourth):

# The significance of the differences between the averages of the dimension measurements Of the control and experimental groups In the axes of the cognitive achievement test The skills of basketball in search

Topics of the	ognitive Measure	Control		Experimental		Caladata	<b>.</b>
achievement		mean	s.d	mean	s.d	Calculate 'T' value	Improve ascription
How to perform the skill	Degree	6.19	0.92	7.76	0.86	*6.71	%25.36
Educational steps for skill	Degree	6.10	0.89	7.55	0.82	*6.45	%23.77
Common errors	Degree	2.85	0.70	3.50	0.65	*3.66	%22.81
Basketball Act	Degree	1.90	0.36	2.29	0.41	*3.85	%20.53
Total grade	Degree	17.04	1.85	21.10	1.67	*8.77	%23.83

#### N 1 = N 2 = 30

\*The value of (T) of the table at dgree (N 1 + N 2 - 2 = 58), the level of significance (0.05) in one direction = 1.671

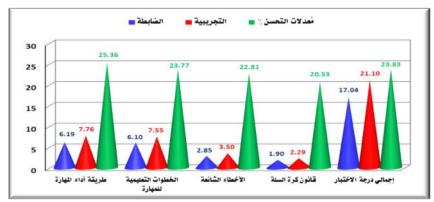


Figure (2)

The differences between the averages of the pre measurements of the control and experimental groups and improvement rates in knowledge test of basketball skills under discussion

Assiut Journal For Sport Science Arts

As shown in Table (3), and from the results obtained graphically in Figure (2) there are statistically significant differences between the of the averages pre measurements of the control and experimental groups in the knowledge test of basketball skills (skill performance, learning steps for skill common mistakes, basketball law), and in favor of the experimental group, As well as variations the in the improvement rates that occurred in the knowledge test, which ranged from (20.53% to 25.36%), where the center of the performance of the skill in first ranking with the an improvement rate (25.36%).while the center of the educational steps of skill in the second ranking improved rate (23.77%), common mistakes in the third ranking came at an improvement rate (22.81%), The improvement in the total score of the knowledge test for the basketball skills under discussion was (20.83%) and in favor of the experimental group.

The researchers attributed the improvement rates to the experimental research group to the fact that the virtual class room that were designed helped to create open, interactive environments and uses between the researchers and the experimental group students, which helped to develop the teamwork spirit of students the and to communicate the theoretical information and knowledge related to the skills **under** discussion easily and simply, Which helped to consolidate that knowledge in the minds of students better than students in the control group.

This is consistent with the conclusion of the results of each study of Sachin G. Deshpande and Jeng-Neng Hwang (2001) (36), Karen Swan (2006) (34) Starr Hiltz (2006) (38), Sherif el-Morsi (2009) (16), Mohammed Al-Baghdadi (2011) (24), Ghada Abd el-Aziz (2015) (19), which indicated that the use of virtual class room led to a clear improvement in the learning of courses and variables under these studies.

In light of the above, it is clear that the hypothesis of the second and fourth research is achieved, Where the researchers confirmed the existence of statistically significant differences. As well as differences in the rates of improvement between the of averages the pre measurements of the control and experimental groups in the knowledge test of basketball discussion: skills under (performance Skill skill common learning steps, mistakes, basketball law), and in favor of the experimental group.

#### conclusions and recommendations: -First - conclusions: -

In light of the research objectives and hypotheses and within the limits of the research sample, based on the statistical treatments, As indicated by the results of the research ... It can be concluded that the use of virtual class room In learning basketball course of the second of girls led vear to of the improvement experimental group students about the control that used the traditional method (verbal explanation and performance of the practical model) in the following:

1- Skills of basketball under discussion: Passing with push test (pass pass skill) improvement rate (24.14%), ball rolling test (conversational skill) improvement rate (21.19%), Free throw test (correction skill of stability) improved by (17.31%), the peaceful correction test (the skill of peaceful correction) improved by (16.70%).

2the knowledge test of basketball skills under discussion: center of skill performance improved in the rate of (25.36%). The center of the educational steps of the skill improved in the rate of (23.77%).The of center common mistakes improved in the rate of (22.81%), The center of basketball law the improved in rate of (20.53%),The rate of improvement in the total score of the knowledge test for the basketball skills under discussion was (23.83%).

#### Second: Recommendations:

Based on what the results of this research indicate .. The researchers were able to identify the recommendations that benefit the work in the field of basketball education .. As follows:

1 - Adopt the proposed model of the virtual class room (under discussion), which was reached through the current research, and use it as a supportive activity to teach the basketball course for second-year students.

2. Encourage students to use teaching and learning technology by allowing physical and physical education courses to be taught through virtual class room, both in learning skills and knowledge.

3 - Intensifying the training courses for faculty members for the Egyptian universities to teach them how to design, build and implement virtual classroom programs to eliminate traditional education problems.

4 - Designing, building and developing electronic courses based on the use of virtual class room of all kinds in order to promote active learning centered around the learner.

#### List of References:

#### First: Arabic References:

1- Ibrahim Ali Mohammed Al-Warafi (2011):

Determination of the selection of beginners in basketball, unpublished ph thesis, Faculty of Physical Education for Boys, Helwan University. 2- Ahmed bin Said Al-Ahmari (2019): Virtual Classrooms between Theory and Practice (Study of the Saudi Virtual School Experience). published research, Arab Journal of Arts and Humanities, No. 6, Arab Foundation for Education. Science and Literature.

3- Ahmed Mohamed Badr El-Din Abu Elaz Mohamed (2012): The effect of a virtual classroom for students of educational technology Faculty Specific Education of to develop some skills in the of production multimedia programs in light of design standards, unpublished master thesis, Faculty of Education, Fayoum University.

4- Ahmed Moayad Hussein Al-Enezi. Ahmed Raad Ibrahim Al-Saqi (2008): The of Physical Department Education in the College of Education. published Basic research. Journal of Contemporary Sports, Volume VII, No. 8, College of Physical Education and Sports Science Girls, for University of Baghdad, Iraq.

5- Amal Safar Al-Qahtani (2018): Effectiveness of a program based on virtual classes in development Standards Educational of Technology of Princess Noura University Students, published Journal of research. Educational and Psychological Studies, No. 99, Faculty of Education, Zagazig University. 6-Eman Mohammed Makram Mohanna Shuaib (2016): The Effect of Different of Simultaneous Types / Simultaneous Semantic Classes Achievement on and Development of Production Skills of Educational Toys for Kindergarten Students. Published Research, Journal of Educational Sciences, Volume 24, No. 1, Faculty of Graduate Studies, Cairo University.

7- Jaber Abdel Hamid Jaber, Mahmoud Ahmed Omar (2007): Test of Verbal Intelligence for Secondary and University Stage, Dar Al-Nahda Al-Arabiya, Cairo.

8- Gawdat saada, Adel Fayez Sartawi (2007): Computer and Internet Usage in Education, Dar Al Shorouq, Ramallah, Palestine.

**9- Hassan Yehia Hassan** (2013): The impact of interactive video recruitment to improve the skill of basketball correction among young players in the Gaza governorates, unpublished master thesis, Faculty of Physical Education, Al-Azhar University.

10- Hamad bin Saleh al-Ghunaim (2016): Attitudes of students of the Faculty of Education towards the use of virtual classes In the educational process, published research. Journal of Educational Sciences. first issue, part two, Faculty of Graduate Studies of Education, Cairo University.

11- Haidar Abdul Razek Zeinab Abdul Kazem. Rahim, Ali Ashour Obaid (2015): Design and two tests to measure the performance of complex (physical skill) offensive to advanced basketball players, Published research, Journal of Studies Research of Physical and Volume Education. (43).of Education. Faculty University of Basra, Iraq.

**12- Said Faraj Al-Ramadi** (2006): The effectiveness of a multimedia learning program in learning the conversation in basketball for the students of the Department of Physical Education and Sports at the Faculty of Education Hadramout University of Science and Technology in Yemen, , Published research, Assiut for Physical Education Sciences and Arts, Faculty of Physical Education, Assiut University.

13-Somaya Ali Abdel-Warth, Nermeen Mohammad Nasr (2017): The Effectiveness of Virtual Class room Using Mobile Education in Increasing the Motivation of Achievement and Towards It. published research, Journal of Educational Technology (Studies and Research). Issue 31. Arab Society for Educational Technology.

14-Shadia Abdel Halim Tammam (2018): designing electronic learning an environment based on virtual classrooms asynchronous development of teaching skills in the mini-curriculum of social specialization, A case study on the students of the Faculty of Graduate Studies of Education Cairo University, published research.Journal of the Educational Association for Social Studies, No. 97, Faculty of Education. Ain Shams University.

15- Shehata Abdallah Amin, Magdi Ibrahim Ismail, Lamia Mohamed abd el Azim (2017): The Effect of Using Virtual Classrooms on the Development of the Performance Side of Animation Production Skills in the Light of the Ouality of Standards Students of Educational Technology, Published Research, Journal of Educational and Psychological Studies, No. 94, Faculty of Education, Zagazig University. 16- Sherif Behzat Ali (2009): The Effect of Using Virtual Classrooms on Development of Skills for Programming Students of the Faculty of Specific Education. Unpublished Master Thesis. Institute of Educational Studies, Cairo University.

**17- Abd elAziz Ahmed elNimr, Medhat Saleh Sayed** (**1998**): Basketball,alasatithah for Publishing and Distribution, Cairo.

**18- Ali Samoum Al-Fartousi** (**2006**): Finding standards and standards for evaluating the performance of some offensive skills in basketball, published research, Rafidain Journal of Mathematical Sciences, vol. 12, No. 41, Faculty of Physical Education, University of Mosul, Iraq.

19-Ghada Abdel Hamid Abdelaziz (2015): Direct and recorded virtual classroom styles and their impact on the achievement of knowledge and skillful performance of the operation of digital devices among female students in the of Educational Course Technology and Tools published research, Journal of the Egyptian association for Educational Technology, vol. 25. no. 4. Cairo.

20-Fares Sami Yosif. Muhannad Abd el-Sattar Abdelhadi, Mitham Saadi Ali (2014): Defining the standard for some of the tests of basketball junior (15-16) years for the selection of Iraqi team players, , Published research, Qadisiyah Journal of Physical Education Sciences, vol. (14), issue (1), part 1, Faculty of Education. University of Qadisiya, Iraq.

**21- Fayza Mohammed Al-Maghrabi, Nadia Ahmed Ibrahim (2013):** The Effect of Virtual Classrooms on Teaching Educational Contact Unit on the Achievement of Female Students in the Faculty of Education at Umm Al Qura University in the Light of Different Disciplines, Published Research, Qualitative Research Journal, No. 32, Faculty of Specific Education, Mansoura University.

22- Fatma Ahmed Bassiouni (2005):Design of an educational using program individual multimedia through the computer and its impact on the aspects of learning some basketball skills in the students of the third division. unpublished master thesis. Faculty of Physical Education, Tanta University.

23- Mohammed Hassan Allawi, Mohamed Nasr Elddin Radwan (1994): Tests of motor performance, I 3, Dar Al-Fikr Al-Arabi, Cairo.

24- Mohammed Reda Al-Baghdadi (2011): Virtual Learning Environments, Published Research, Fayoum College of Education Journal, Issue 11, Faculty of Education, Fayoum University.

25- Mohammed Sobhy Hassanein (2004): Measurement and Evaluation in Physical and Physical Education, I 6, Dar Al-Fikr Al-Arabi, Cairo.

**26- Mohammed Magdy Abo-frikha (2016):** Battery physical tests as the basis for the

selection of basketball beginners under 16 years, unpublished master thesis, Faculty of Physical Education, Tanta University.

27- Mohammed Mohammed Yahva (2012): The Effectiveness of Virtual Classrooms in Developing **Digital Image Processing Skills** Computer Science among in Saudi Students Arabia. Unpublished Master Thesis, Institute of Arab Research and Studies, Cairo,

**28- Mohammed Mahmoud Zineldine (2007):** E- learning competencies, Dar Al Khwarizm Scientific Publishing House, Jeddah, Saudi Arabia.

29- Mustafa Abdel-Samiea, Amal Abdel-Fattah Suwaidan. Hisham Mohammed Abdelbary (2016): Educational and standards technical for the construction of virtual classrooms, published research. of Educational Journal (Studies Technology and Research). No. 26. Arab Association for Educational Technology.

**30- Nader Said Shimy (2010):** The impact of the difference in the pattern of virtual class room based on the communities of practice on the achievement and development of some of the skills of electronic content design and direction towards the coordinators of educational design in the centers of ecourses, published research, the Egyptian Association for Technology, Educational Volume 20. no 3.

31-Howaida Mahmoud Saved (2015): Α training through the program technology of virtual classrooms and its impact on the development of some skills the use of educational in technology innovations in the student student at Umm Al-Qura University, published research, Journal of Faculty of Education, Volume 31, No. 1, Faculty of Education, Assiut University.

32-Walid Mohammed Hussein (2012): Effect of an educational using program superlative media on the level performance of skill and Knowledge achievement in basketball among second year students at the Faculty of Physical Education. Assiut University, unpublished master

thesis, Faculty of Physical Education, Assiut University. Second: English References: 33- Alfred P. Rovai, Mervyn

J. Wighting, Jason D. Baker, Linda D. Grooms (2009): Development of an instrument to measure perceived cognitive, affective. and psychomotor learning in virtual traditional and classroom higher education The Internet settings. and Higher Education, Volume 12, Issue 1.

34-Karen Swan (2006):Virtual interaction: Design affecting student factors satisfaction perceived and learning in asynchronous online courses. Journal Distance Education. Volume 22. Issue 2.

35- Lynn McBrien, Rui Cheng and **Phyllis** Jones(2009): Virtual Spaces: Synchronous Employing a Online Classroom to Facilitate Student Engagement in Online Learning, International Review of Research in Open and Distance Learning, Volume 10, Issue 3.

**36- Sachin G. Deshpande and Jenq-Neng Hwang (2001):** A real-time interactive virtual classroom multimedia distance learning system, IEEE Transactions on Multimedia, Volume: 3, Issue 4.

**37- Skrodal Simon (2010):** Virtual classroom simulation: design and trial in a preservice teacher education program, University of Adelaide, School of Education.

**38- Starr Roxanne Hiltz** (2006): The "Virtual Classroom": Using Computer-Mediated Communication for University Teaching, Journal of Communication, Volume 36, Issue 2.

39-Zongkai Yang and (2007):Qingtang Liu Research and development of web-based virtual online classroom. Computers & Education, Volume 48, Issue 2. Third: websites

40- <u>http://emag.mans.edu.eg/</u> index.php?page=news&task=sho w&id=248

41- https://www.easyclass.