



كلية التربية

كلية معتمدة من الهيئة القومية لضمان جودة التعليم  
إدارة: البحوث والنشر العلمي ( المجلة العلمية )

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## **The Creation for Tutorial Studio at the College of Basic Education (PAAET – Kuwait): Major Requirements: Descriptive Study**

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[http://www.aun.edu.eg/faculty\\_education/arabic](http://www.aun.edu.eg/faculty_education/arabic)

### Abstract

The establishment of the unit studio educational within the Public Authority for Applied Education and Training in the College of Basic Education, one of the important objectives that seek descriptive study to be presented, and therefore the primary objective of this study provide many theories descriptive on the provision of the main axes on the definition of the importance of the studio educational components of the television educational and movies educational and satellite as part of the axis of the educational role of the Public Authority for Applied Education and training in Kuwait, and the role of the College of Basic Education in this regard.

And comes in the framework of an integrated explanation of the components of the educational components of the main elements of the education studio, especially with regard to the following points:

- Educational Television
- Educational films
- Educational channels
- Production of educational programs
- The educational components of the educational studio
- Video tutorial
- Television broadcasting networks
- Tutorial studio

### **Recommendations of the study:**

- Illustrated by the study provided the great importance of the need to apply the studio educational within the Public Authority for Applied Education and Training , and in particular, within the College of Basic Education is the IT department of education is the competent authority capable of setting standards and technical foundations and technique to create the studio 's educational body .
- As seen through descriptive study that studio tutorial consists of integrated modules include all the studio educational, and units for the production of educational films, equipment and technique relies on multiple computing devices and other equipment.

### **Through the study provided the researcher recommends the following actions:**

- Processing of the building equipped technically appropriate to the nature of the educational work of the studio, including rooms' montage and sound insulation and lighting.
- Expedite the provision of appropriate hardware in the studio educational including imaging devices - lighting - Montage - Audio - electrical wiring - backup power generators - electronic computing devices, devices video tutorial special offer, registration and conservation.
- Subscribe via local TV channel to display the hours of study for students of Applied Education Authority.

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- The use of local and international expertise in the creation of the former studio of education in universities.
- Contracting with functional expertise capable of managing technical workers and appropriate technical.

**Keywords:** Educational studio; Tutorial Studio; Educational Television; Educational Programs; Educational Video; Educational Networks; PAAET; Kuwait.

## المستخلص

يعد إنشاء وحدة الأستوديو التعليمي داخل الهيئة العامة للتعليم التطبيقي والتدريب في كلية التربية الأساسية أحد الأهداف الهامة التي تسعى الدراسة الوصفية لتقدمها، وبالتالي فإن الهدف الأساسي من هذه الدراسة توفير العديد من النظريات الوصفية بشأن تقديم المحاور الأساسية حول تعريف أهمية الأستوديو التعليمي ومكوناته من التليفزيون التعليمي والأفلام التعليمية والأقمار الصناعية وذلك في إطار محور الدور التربوي للهيئة العامة للتعليم التطبيقي والتدريب في الكويت، ودور كلية التربية الأساسية في هذا الصدد.

ويتأتى ذلك في إطار شرح متكامل لمكونات المكونات التعليمية الرئيسية لعناصر الأستوديو التعليمي، وخاصة فيما يتعلق المحاور التالية:

- التليفزيون التعليمي
- الأفلام التعليمية
- القنوات التعليمية
- إنتاج البرامج التعليمية
- المكونات التعليمية من الأستوديو التعليمي
- الفيديو التعليمي
- شبكات البث التليفزيوني
- الأستوديو التعليمي

يتضح من خلال الدراسة المقدمة الأهمية الكبيرة لضرورة تطبيق الأستوديو التعليمي داخل الهيئة العامة للتعليم التطبيقي والتدريب، وبوجه خاص داخل كلية التربية الأساسية ويعد قسم تكنولوجيا التعليم هو الجهة المختصة القادرة على وضع المعايير والأسس الفنية والتقنية لإنشاء الأستوديو التعليمي في الهيئة.

- كما يتضح من خلال الدراسة الوصفية أن الأستوديو التعليمي يتكون من وحدات متكاملة تشمل كل من الأستوديو التعليمي، ووحدات لإنتاج الأفلام التعليمية، وتجهيزات تقنية متعددة تعتمد على أجهزة الحاسبات والتجهيزات الأخرى.

### ومن خلال الدراسة المقدمة يوصي الباحث بالإجراءات الآتية:

- تجهيز المبنى تجهيزاً فنياً مناسباً لطبيعة عمل الأستوديو التعليمي بما يشمل غرف المونتاج والعزل الصوتي والإضاءة
- الإسراع بتوفير الأجهزة المناسبة في الأستوديو التعليمي بما يشمل أجهزة التصوير – الإضاءة – المونتاج – الصوت – التمديدات الكهربائية – مولدات الطاقة الاحتياطية – أجهزة الحاسبات الإلكترونية – أجهزة الفيديو التعليمي الخاصة بالعرض والتسجيل والحفظ
- الاشتراك عبر قناة تليفزيونية محلية لعرض ساعات دراسية لطلاب التعليم التطبيقي بالهيئة
- الاستعانة بالخبرات المحلية والدولية السابقة في إنشاء الأستوديو التعليمي في الجامعات

التعاقد مع الخبرات الوظيفية القادرة على إدارة العمال الفنية والتقنية المناسبة

**الكلمات المفتاحية:** الأستوديو التعليمي؛ التليفزيون التعليمي؛ الفيديو التعليمي؛ شبكات التليفزيون التعليمي؛ الهيئة العامة للتعليم التطبيقي والتدريب؛ دولة الكويت.

## Discussion

The establishment of the educational studio unit inside the Public Authority for Applied Education and Training in the College of Basic Education One of the important objectives that seek descriptive study to be presented as a product essential to the research outputs submitted.

Where the studio is one of the major tributaries of the educational and scientific information provided important educational for both faculty and students through the educational process in order to raise the level of scientific and technical skills and education for each of them.

Hence, the main problem of the study consists where there is no studio tutorial in the Public Authority for Applied Education and Training, as there are no previous studies made on this matter this important.

The aim of this study thus provided mainly to provide several themes and descriptive theory concerning the submission of basic knowledge about the definition of the educational role of the Public Authority for Applied Education and Training in Kuwait, and the role of the College of Basic Education in this regard.

**With an explanation of the components of educational components of the studio, especially with respect to the following axes:**

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- Educational Television
- Educational films
- Educational channels
- Production Tutorials
- The educational components of the studio <sup>1</sup>

As part of the study provided keen researcher on the use of descriptive analytical approach in the provision of elements and components of the study provided

The university education in any society a title for its development, and the crossing from the various interactions between its various components, and the evolution of this type of education serves as an indication of the evolution of society, as characterized by this pattern two variables are important, namely the relative change, as the trend change in the general policy of the university education in society, including hostage its changes positive or negative, affect the educational awareness of members of this community, and technology is one of the most important forms of the product of this development in the university community, with its huge potential as a mechanism to connect the internal and external to the dissemination of knowledge

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<sup>1</sup> تكنولوجيا التعليم / تحرير مصطفى عبد السميع محمد القاهرة: مركز الكتاب للنشر، ١٩٩٩ ص١٢٩

On that interfere development and education to some extent resembles the tandem, and it becomes the investment in education is more aspects of investment return, the near-term and long-term together, including well understood by everyone that the fate of nations depends on the creativity of its members and the extent of his challenge and response to the problems of change and demands <sup>1</sup>

Not only in the context of social education to provide the learner experience the past, or be prepared to interact with the data present, but must be extended to prepare the learner to accommodate changes in the future, and interact with them, and using them to serve the community through the following concepts <sup>2</sup>:

- The shift from planning to static dynamic planning <sup>3</sup>
- The transition from planning to technocratic planning consultant
- Dependence on strategic planning instead of tactical planning

In general, the vision of Kuwait in this area include the four basic principles are: <sup>4</sup>

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<sup>1</sup> نبيل علي.- العرب وعصر المعلومات.- الكويت: المجلس الوطني للثقافة والفنون والآداب، ١٩٩٤ ص ٣٨١-٣٨٢

<sup>2</sup> جمعية المعلمين الكويتية.- الخطة التعليمية في دولة الكويت وارتباطها بالتنمية الشاملة/ إعداد مساعد راشد الهارون الكويت: جمعية المعلمين الكويتية، ١٩٩٨ ٧-١١

<sup>3</sup> مصطلح يوناني "Technocracy" لوصف السلطة المطلقة التي يستحوذ عليها الأفراد في المجتمع الصناعي والإداري(٢٩/١/٢٠١٦) متوافر على الموقع: <http://degeocitiescom/duluwan1212/tknohtml>

<sup>4</sup> عبد الرحمن بن أحمد محمد صائغ.- تجربة دول مجلس التعاون العربية في تطوير التعليم: رؤية مستقبلية.- ضمن المؤتمر العربي الأول حول استشراف مستقبل التعليم شرم الشيخ: المنظمة العربية للتنمية الإدارية، ٢٠٠٥، ص ١٠

- Develop a clear strategy by the government for information technology including educational technology and its applications, to create a knowledge society based on respect for individuals' freedom of expression and the free flow of information within the framework of the laws and specific legislation
- Rehabilitation of the human elements and develop their capacities to cope with the new change in the field of education technology
- Raise awareness of electronic information to build a culture of community, with an emphasis on national identity
- Government's cooperation with the private sector and civil society to create a general framework and the development of policies and laws that support the development of technology education in the knowledge society
- **Moving the State of Kuwait to the development of the relationship between education and technology concepts through education:**
  - 1 - Change the education curriculum to align them with the new concepts of the knowledge age, and awareness of global variables
  - 2 - Application of concepts and new methods to obtain information such as electronic libraries and create a studio and educational applications educational television network and application of scientific and technological research, as well as the concept of electronic distance education and lifelong learning
  - 3 - Improving advanced education in the field of information and communication technology for professionals with high skills and disciplines in this area

- 4 - To achieve telecommunications infrastructure remotely by building a network of contacts efficient, as that was the most important elements of building a knowledge society
- 5 - The actual contribution to their proven techniques and investment information services in national development in order to raise the level of life of the community, and ways to improve the living and working for the citizens through the construction and development of systems of information infrastructure
- 6 - Encourage institutions to use the information as a resource to achieve productivity gains through better use of research in achieving innovations and inventions, as well as the automation of administrative processes in various facilities
- 7 - Raise the level of education and training, where is the skilled manpower of the most important success factors for total quality management in the knowledge society, and therefore it is essential that all citizens have the skills and technological Informatics

### **Public Authority for Applied Education and Training**

The urgent need to provide an integrated vision for the needs of the labor market in Kuwait to the employment levels of all, from the perspective of a comprehensive behind the creation of the Public Authority for Applied Education and Training, as it was educational trends calling for the removal of barriers between education, training and work within the incentive to reach a formula of this body

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Where efforts have been made in the development of technical education in the framework of the Ministry of Education, as the evolution of developed organizational than just a division of Secondary Education to monitor and manage, and then was named Undersecretary of the Ministry Assistant specialist affairs of this education within the structural organization of the Ministry of Education in 1976,<sup>1</sup> and thereafter the development of technical and vocational education under the Ministry of Education and became in a position of independence, became a necessity for the continued growth and development, and here began to think to move to a more advanced stage in its organizational entity legislature to keep pace with his new responsibilities and sophisticated

In this sense, Law No 63 of 1982, regarding the establishment of the Public Authority for Applied Education and Training on December 28, 1982

The text of the law that the purpose of the establishment of the Commission is to provide the national workforce and development to ensure that deficiencies in the face of national technical labor force and meet the needs of development in the country<sup>2</sup>

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<sup>1</sup> الكويت. وزارة التربية. - تاريخ التعليم في دولة الكويت: دراسة توثيقية، مح ٥: تاريخ التعليم الفني والتدريب المهني

والهيئة العامة للتعليم التطبيقي والتدريب الكويت: مركز البحوث والدراسات الكويتية، ٢٠٠٢، ص ١٢٧-١٣٠

<sup>2</sup> الهيئة العامة للتعليم التطبيقي والتدريب خريجات ومعاهد الهيئة العامة للتعليم التطبيقي والتدريب في سوق العمل:

دراسة ميدانية. - الكويت: الهيئة، ٢٠٠٣

Consequently, the Public Authority for Applied Education and Training seeks to achieve its mission and strategic, which provides the firm belief that the human being is the most important wealth must be invested and walk it forward towards achieving the goals, and the trend to communicate on an ongoing basis with the labor market and exploring new disciplines needed by her community <sup>1</sup>

College of Basic Education <sup>2</sup>

The College aims to prepare teachers qualified academically and professionally for the primary stage, as well as the preparation of kindergarten teachers, also aims to set up parameters for the intermediate and secondary schools in the disciplines of home economics and interior design, electricity, and also prepare graduates and alumni to provide educational services, such as specialist libraries and learning techniques and includes college scientific Departments of the following:

(Islamic Education, Mathematics, electricity, kindergartens, educational technology, computer, science, art education, library and information science, home economics, special education, Arabic language, physical education and sports, interior design, music education, English language) etc.

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<sup>1</sup> الهيئة العامة للتعليم التطبيقي والتدريب، حمود فهد المضيف، - دليل كلية الدراسات التكنولوجية - الكويت: الهيئة العامة للتعليم التطبيقي والتدريب، ٢٠٠٤، ص ٥

<sup>2</sup> الهيئة العامة للتعليم التطبيقي والتدريب. كلية التربية الأساسية. - (٢٠١٦/٣/١). - متوافر على الموقع:

<http://www.paatedukw/facultyhtm#cbe>

## Educational technology in the universities

The world is witnessing a remarkable development in the field of information and communication technology, which has led to the emergence of many technological innovations, and through which can achieve a development in the educational process, and the face of the many challenges that correspond to those in charge of the educational process, and these challenges increase in the preparation of students in the early stages various educational which calls for the need to use the equipment and educational materials and modern use of technological innovations developed in the educational process <sup>1</sup>

The university, for its part claims resulting from confronting the growing demand for university education of the society as it faces the challenge of preparing a new quality of graduates of contemporary society, so they bear in mind the rehabilitation of graduates at a high level of efficiency to cause the development of a full and comprehensive peace in the educational process <sup>2</sup>

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<sup>1</sup> Samaniego, Concepcion Medrano; Pascual, Alejandra Cortes- The Teaching and Learning of Values through Television- Available at:

<http://ericedgov/?q=learning+television&id=EJ758030>

<sup>2</sup> أنماط تصميم برامج الكمبيوتر - (فبراير ٢٠١٦) - متوافر على الموقع:

<http://tarbawecom/thread3109html>

Therefore, the television programs teaching is a learning resource important in the educational process, and due to its image of the television program of the many advantages is the show to continue the movement and the emphasis on the tasks of the stages and the explanation and clarification and create alternatives to reality and visual representation of reality abstract<sup>1</sup>

It also resulted in the development of computers and the advent of the World Wide Web (Internet) to put the world in front of a new revolution in the field of education, and opened a wide range of new types of education such as open learning and distance education<sup>2</sup>

### **Choosing the foundations of teaching aids in universities:**

Are chosen means or the means to be used to explain a particular lesson to or more than the standard basis, and whenever they are in line with the way a larger number of foundations have been more effective, so be chosen in the light of the way the educational workers two grounds<sup>3</sup>

- Elements of the educational situation: This includes standard objective to be achieved, and the lesson content, and location, and the number of learners, and the age group, and the experience of the teacher

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<sup>1</sup> Ken, Freed- A history of distance learning, media and education- <http://wwwmedia-visioncom>

<sup>2</sup> Standvall, T(2003)- Online education in the future: trends and technologies for e-learning of experience in ODL

<sup>3</sup> سعد، محمود-. التربية العملية بين النظرية والتطبيق-. الطبعة الأولى-. عمان: دار الفكر، ٢٠٠٠

### - The characteristics or specifications learning tool:

This standard specifications regard to public means in terms of availability within the educational environment and efficiency, and it meets the requirements of public safety

The success of any educational position depends largely on the good selection of educational learning tool, so in order to ensure the smooth production of teaching aids planned by the teacher must take into account the following principles:

- Means that the longer part of the educational situation, and linked to the rest of the components and parts of the educational situation
- Convenient learning tool for the age characteristics of learners in terms of mental abilities, skills and previous experience
- To be an interesting way to work at raising the motivation of learners, and to motivate them to learn
- Accuracy of the information presented by the means and accuracy
- Taking into account the technical characteristics of good learning tool
- The availability of means in the classroom
- Taking into account the time means in the classroom
- Stay away from the formal, and the routine use of learning tool for demonstration or fill the void

It can be defined as is the training programs or teaching is closely linked to the objectives of the educational curriculum and address the specific topic of study and activities directly related to the school and linked to a specific phase of the educational levels of education<sup>1</sup>

Also known is that those TV programs that aim to achieve specific learning objectives are directly linked to the decisions of the seminars or training programs specific to the specific category of learners or students, whether through Monday or by closed channels or videotaped <sup>2</sup>

## Television education in universities

The educational television is an effective way to deliver distance education is available for integration with the school curriculum, it may be television educational positive may have a negative interaction, As The negative interaction depends on the programs preset that are distributed through videos or through a broadcast-based technology sound and image of the normal broadcast, or broadcast over wires, or broadcast via satellite <sup>3</sup>

<sup>1</sup> مشروع التكنولوجيا وتحسين الأداء التعليمي. - (فبراير ٢٠١٦). - متوافر على الموقع:

[http://tech2010ahlamontadacom/search?search\\_author=%D9%85%D9%85%D9%84%D9%83%D8%A9+%D8%A7%D9%84%D8%A7%D8%AD%D8%B3%D8%A7%D8%B3&search\\_keywords&show\\_results=posts](http://tech2010ahlamontadacom/search?search_author=%D9%85%D9%85%D9%84%D9%83%D8%A9+%D8%A7%D9%84%D8%A7%D8%AD%D8%B3%D8%A7%D8%B3&search_keywords&show_results=posts)

<sup>2</sup> van Leeuwen, Lonneke; Renes, Reint Jan; Leeuwis, Cees - Televised Entertainment-Education to Prevent Adolescent Alcohol Use: Perceived Realism, Enjoyment, and Impact- *Health Education & Behavior*, v40 n2 p193-205 Apr 2016- available at: [http://ericedgov/?q=EDUCATIONAL+TELEVISION&ff1=dtvSince\\_2016&pg=2&id=EJ1010192](http://ericedgov/?q=EDUCATIONAL+TELEVISION&ff1=dtvSince_2016&pg=2&id=EJ1010192)

<sup>3</sup> Claxton, Laura J; Ponto, Katelyn C- Understanding the Properties of Interactive Televised Characters- *Journal of Applied Developmental Psychology*, v34 n2 p57-62 Mar-Apr 2016- available at:

[http://ericedgov/?q=EDUCATIONAL+TELEVISION&ff1=dtvSince\\_2016&id=EJ1002759](http://ericedgov/?q=EDUCATIONAL+TELEVISION&ff1=dtvSince_2016&id=EJ1002759)

Where TV supports educational activities related to the educational process for its ability and effectiveness as a technological devices of modern educational proven in multiple areas Television and supports educational activities related to the educational process for its ability and effectiveness as a technological devices of modern educational proven in multiple areas<sup>1</sup>

It is one of the achievements of modern technology because of the following reasons:

- The ability to attract the attention of super-learners to focus on many of the senses
- Its effectiveness as a mediator Mass Communication, and the ability to transfer concepts and ideas
- The effective use and diversification in the process of teaching and learning
- Suitability to the needs of the students and their motives

### **Objectives of the educational television applications:**

The responsibility is not limited to television programs provide only, because the more profound responsibility, and that guide students to think about the proper foundation has several goals including:

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<sup>1</sup> عثمان، الشحات سعد محمد.- الوسائل التعليمية وتكنولوجيا التعليم .- الجزء الثاني.- دمياط: مكتبة نانسى، ٢٠٠٥

- 1 - View events, themes, and the transfer of local and international news in a way to be clear viewing
- 2 - Increasing the desire to learn, especially for students in the early stages
- 3 - Plug in the human potential of teachers, especially in rare specialties
- 4 - Broadcast programs on a large scale operating costs are relatively cheap
- 5 - Provide a degree of privacy to watch the programs
- 6 - Allows transfer of training programs to the job site, a method is characterized by being economical and highly efficient

### **Uses of television in the field of higher education:**

As experience has shown the feasibility of certain television as a means for the teacher in the delivery of information and clarified for students, and support the role of television in the field of education and learning the art of communication technologies such as the remarkable development:

- The use of satellites in the field of electronic communication
- The use of computers in the organization and presentation of information, and a video device in the field of conservation information and image votes

Also contributed to television and video device to improve teacher performance, and that when you record the lesson and presented to the teacher to be self-assessment of its performance in the classroom and in the field of education the individual used the videos in the registration of educational materials and classified, to enable the student to access them easily, and is considered the videos educational materials rich including in respect of the scientific themes, and literary, religious and social, so set up libraries of videos in schools and colleges and medical institutes and professional art <sup>1</sup>

### Success factors of the use of television in higher education:

Sacrificed research and scientific experiments in the use of television several key factors must be considered when planning for the use of television, namely: <sup>2</sup>

- Should be regarded as an important part of the TV or an important stage in the education system to achieve the goals of education
- The material must be displayed in its own way television and much of the material taught by the teacher in the regular classroom

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<sup>1</sup> van Leeuwen, Lonneke; Renes, Reint Jan; Leeuwis, Cees- Implementing Educational Science Television in the Third Grade Classroom- *Health Education & Behavior*, v40 n2 p193-205 Apr 2016- available at:

[http://ericd.gov/?q=EDUCATIONAL+TELEVISION&ffl=dtYSince\\_2016&pg=2&id=EJ1010192](http://ericd.gov/?q=EDUCATIONAL+TELEVISION&ffl=dtYSince_2016&pg=2&id=EJ1010192)

<sup>2</sup> مصطفى، يسري.- التلفزيون التعليمي التربوي الإسلامي العربي.- (يناير ٢٠١٦).- متوافر على الموقع:

<http://www.khayma.com/dr-yousry/Instructional%20TV.htm>

- Must strengthen cooperation between the teacher and the television classroom, so you do not feel the teacher classroom sovereignty Television him, as should the division of labor between them
- Must be designed television program in a way to encourage students and teachers to interact in the classroom, therefore should not be running the lesson the television every time the share of the study, but leaves time for discussion or submission before the lesson television and beyond, but it also should be a school teacher played a key role in training, and presentation and follow-up
- Should provide an integrated educational television material, it offers scientific facts alone, but be integrated with social studies, political and living conditions
- Should take the television program production specialists at a high level, they are a team that combines cooperative school teachers and specialists article and television director and an expert evaluation and expert technology education
- Should be based television production of educational programs to take care of the following matters at all stages of production, namely:
- In the planning phase and determine the most important educational problems that should be addressed by television, by conducting survey research dealing with the school and the curriculum, and assign attributes to them the students who directs the program and objectives of the nomination accurate

- Infinite possibilities and facilities in schools, to complete what it takes to benefit the television in pre-production:
- Selection of the successful production team and determine the number of the required software and the subject of all of them, then experimenting with one of them in a prospective study to know the weaknesses and strengths
- In the production phase commitment to the agreed text in the "scenario" after the review and preparation of the teacher's guide and send it to the school before sending television well in advance, that contains the directory of program objectives, and proposals to benefit him, and the activities of students, whether to follow, or get ready for him, as well as evaluation and accompanied by evidence of a questionnaire to know the opinion of teachers and students in the program
- In post-production: taking into account the reactions of teachers and students who shall your team calendar and production intakes and look to take advantage of them in the sequel the rest of the program and the text requires the organization of regular meetings with the teachers in the school, " a representative sample of them," as well as the printed bulletin regularly insight teachers how best use of television use

## **Educational uses of television in universities:<sup>1</sup>**

### **1 - Teaching the total television:**

In this case, the educational television offers educational programs for the main content and basic concepts of the material as a whole, and can take advantage of this type of program at the lack of specialist teachers in some educational materials

### **2 - Catalyst or a complement:**

In this case provides television material linked to the content of the article accurately major decision, and the teacher in this case, the key role in the classroom and in the evaluation of the lesson the students excitability and supply, testing and applications

### **3 -Television as a source for the enrichment of the educational process:**

In this case, the TV works to strengthen and enrich the educational process through programs that enrich the outcome of the learner's intellectual and emotional skills and supported by sound and image

### **4 - The use of television in the preparation and training of teachers:**

Can benefit greatly from the TV in the preparation and training of teachers because of the opportunities provided to them to develop professional competencies by:

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1 Schnachenberg, HL(1998), Learner Preferences and Achievement under Differing Amounts of Learner Practice: “ Educational Technology Research and Development, Vol 46, No 2, pp5-15

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- Trained in the use of modern technology education
- See the teachers on the educational process innovations
- Accustom teachers to self-learning skills
- Speed for teacher's bulletins and directives

### **The benefits of using television in higher education:**

- Uses television to solve some problems of the educational process, such as curriculum development and to overcome the problem of lack of qualified and inefficiency and overcomes distances and contribute to the education of large numbers no matter what the distance between them
- Television offers extensive experience and a more realistic theory of experiences acquired by students through the dumping because it combines sound and image animation effects and experiences shall be closer to realism
- By direct broadcast television can transfer events as they are for the moment the fact that it conveys the outside world and his place in the classroom
- Television attracts the attention of students and their focus and so it saves time and effort, where the role of the teacher's guidance only
- Provide expertise and wide
- Provide time and effort to improve teacher education process

- Contribute to solving some of the problems such as developing curricula, the shortage of qualified teachers educationally or academically, increase the preparation of learners with a lack of available resources
- Access to education for those who do not enable them to conditions
- Ensuring access to good educational service of all learners
- Allow using many of the other methods varied
- Exploit the element of familiarity - facilitate the task of the teacher
- Overcoming the distance - low cost
- Filming in dangerous places
- Use microscopic cameras

### **The foundations of design tutorials in universities:**

When designing tutorials challenge lies in thinking about the issue on the basis of visible, as the benefits of the visual image of the educational TV stands to confront a growing reliance on lectures, as this will help to provide the following visually: <sup>1</sup>

- Prepare an outline or menus
- Preparation of the key points
- Preparation of complex material graded manner

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<sup>1</sup> تطبيقات الحاسب في التعليم. - (فبراير ٢٠١٦). - متوافر على الموقع:

[http://computerinedublogspotcom/2011/01/blog-post\\_4078html](http://computerinedublogspotcom/2011/01/blog-post_4078html)

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- Preparation of the information that needs to summary or save or recall
- The use of pictures to show how things look
- Use the graph to show the relationship of concepts
- The existence of maps to show the spatial relationships
- The use of tables and lists to summarize the information
- Take advantage of the capabilities of animated video to show:
  - Showing how to use tools and equipment
  - Showing the skills that students are expected to learn
- Work experience should be noted that during the operations
- Analysis of the changes that occur with time using moving images
- The transfer of students to places and situations they would not have quality through their own experiences
- Provide materials or primary sources for analysis of historical events such as movies or things that happen naturally

### **Preparation and broadcast television educational classes in universities:**

When all of the students and teachers are far from each other in terms of physical distance, it should reduce the gap not only good use of technology, but also by using effective educational practices by employing the strategy consisting of the following three steps:<sup>1</sup>

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<sup>1</sup> صالح، سليمان، سمية عرفات.- التلفزيون التعليمي وأفاق المستقبل: دراسة تحليلية للبرامج التعليمية بقناة التعليم الثانوي- قسم الإعلام وعلم المعلومات - كلية الآداب والعلوم - جامعة قطر - قطر، ٢٠٠٦

### **First, the preparatory phase**

#### **Must do the following activities:**

- Develop a plan lessons - They have to:
- Do exercise on a live performance in front of a camera before presenting the lesson
- To organize all the materials and visualization of the lesson before presenting the lesson
- The need to use a camera placed in a high place with a view to casting a visual understanding of how they work do and their determinants before submitting lesson
- Create the possibility for viewers to hear new terms through the program
- Changes in sound, image and presentation style

### **Second, during the quota on educational television:**

#### **Summed up the activities required of you as a teacher television are as follows:**

- Changes to facial expressions, tone of voice, body movements, eye contact with the camera
- Attract the attention of students through the use of jokes, ask questions, and praise the contributions of the students
- Maintaining the presence of energy and movement to attract the attention of scholars after

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- Make lots of lectures is simple and clear
- Do not read the article
- Keep a moderate speed to talk
- Do not move away from the main subject and make the students on the same line
- The introduction of multiple types of posts students, viewing, reading, writing and speech
- Enter the breathers ticking rest of the TV screen
- Encourage and support learning between comrades by encouraging students to work inside and outside the classroom
- Review the concepts that are discussed in the program

Third: Beyond the classroom:

Summed up the activities required of you as a teacher television are as follows:

- Review your tape submitters either the existence of the team work of art, or the existence of a colleague or yourself
- Take notes to improve rendering
- Try to get feedback from students about the strengths and weaknesses of the educational materials
- Be prepared to hear new ideas and new technology, and education in order to increase the effectiveness and quality of education

The Basic principles for the effective use of educational television programs in universities:

**A - The physical situation of the receiver: This means the availability of environmental conditions and material:**

**1 - An Exhibition hall programs:**

Hall be equal in length and width, for reasons related to the purposes of hearing and sit down with the lack of an echo in the room or any external noise

**2-Receiver (Television):**

Must be positioned in a manner to prevent the reflection of light by the lighting in places surrounding the TV a little less than the lighting on the screen

3 - Ventilation: Good ventilation is an essential element of concentration

4 - Number of students: preferably a number of students at a rate of one row in one room

5 - The size of the receiver shall not be less than 21 inches if the number of ordinary students

6 - Put the device and its height: put the device in a high place on the table with wheels can be lifted and lowered

7 - Arrangement of seats: good vision depends on the size of the device and the nature of the seats

8 - an area of the viewing area: the less space between seats require a lifting device to the top

## **B - Psychological and educational:**

- 1 - Calm: Avoid taking notes only when the teacher asks a student of the television
- 2 - Flexibility in time: the beneficiaries to take that into account when developing the weekly class schedule
- 3 - The presence of spontaneous desire to use

## **Devices connected to the educational television:**

### **A - Video System Beta BETA (small bar):**

Tapes of this system comes a half-inch display, you sign up for a one-way SINGLE TRACK

It is also made of gelatinous material covered with iron oxide are available, ranging from different periods: an hour and three hours, and you sign up for the registry systems: PAL and SECAM, and the American system and the change automatically

As for the speed of recording and viewing to be(4) cm for the two-hour tape, the tapes that it shall be more than a speed of 2 cm per second

### **B - video equipment type (VHS):**

Back in sync with the system( beta ), and is characterized by its size compared to the tape as big as a house band, but the film itself is in beta system, and speed in the bar two hours is 334 cm per second, but in the long straps three hours or more, the speed becomes 1 067 cm per second

**Educational programs devoted to educational television in universities:**

## **Can provide educational TV programs of different types, namely:**

### **1 – Integrated Programs**

Where the TV all the procedures and educational events, and this is especially useful in the case of a shortage of teachers or distance education when the display is limited in the chapter on the role of the teacher's guidance and supervision, has been watching the lesson the student television at home as it happens in specialized satellite channels

### **2 - Additional programs**

The teacher used to provide part of the lesson instead of relying on the method of dumping the kidneys and the role of the teacher to explain the lesson to boot, and Calendar

### **3 - Enrichment programs**

It programs covered topics or specific situations need to display information such as television or new experiences are rare and it enriches what they offer, including school students and increase his fertile

## **Tutorial video in universities:**

Associated video system and its organs and his tapes diverse concept of TV is like device registered but he characterized it as a record and displays the image and sound together in an interesting and exciting it is unlike some other means limited to the presentation of stimuli or recording responses and combines stimuli and recording and giving feedback

Has started using video in education in the early sixties when he used the video in the education and training of teachers mini Today is considered a video of the devices used in education technology because of its advantages is its ability to display next to the picture and sound and movement <sup>1</sup>

The importance of using video in the university education <sup>2</sup>

- Provide the learner experience real or rare events that occurred a long time ago, which activates their recipe perception and imagination
- Showing some of the events that are difficult to see in reality such as volcanoes or forest or the sea floor, and others
- Used for training on the skill of solving problems through logical presentation of some sequential problems
- Recording the events that take a long time, such as the growth of plants

### Stages of the production of educational TV programs in universities:

1 - The planning stage include:<sup>3</sup>

Careful planning, a first step that begins with the production of tutorial and includes several important measures of the success of educational programs and television includes:

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<sup>1</sup> Yu, Hong Qing; Pedrinaci, C; Dietze, S; Domingue, J- Using Linked Data to Annotate and Search Educational Video Resources for Supporting Distance Learning- *IEEE Transactions on Learning Technologies*, v5 n2 p130-142 Apr-Jun 2012- available at: <http://ericedgov/?q=educational+video&id=EJ993160>

<sup>2</sup> الفيديو التعليمي - (فبراير ٢٠١٦). - متوافر على الموقع: [http://fatemahzblogspotcom/2012/05/blog-post\\_7104html#!/2012/05/blog-post\\_7104html](http://fatemahzblogspotcom/2012/05/blog-post_7104html#!/2012/05/blog-post_7104html)

<sup>3</sup> المحيسن، إبراهيم عبد الله. - مراحل انتاج البرمجيات التعليمية. - (فبراير ٢٠١٦). - متوافر على الموقع: <http://wwwmohyssoncom/forum/showthreadphp?t=5146>

- Setting goals
  - Identify the needs of learners and teachers
  - Selection of material for scientific and educational program and the preparation of written requirements, and so in two steps:
  - Selection of topics suitable for the television show
  - Write a scientific article and turn it into a television text
- 2 - The design phase so that after the end of the teacher writing educational material and turn it into a television text is handed over to the director for being prepared
- 3 - The implementation phase: In this phase is recorded tutorial and such registration includes two steps:
- Watch the program after registration by a committee of scientific material for approval after making sure that it is free of errors
  - Classification of the program after approval by the Committee and are given a special number and recorded in the records of the administration
- 4- Stage Calendar: The calendar is the performance of the organizers of the development of programs to identify the strengths and weaknesses of places and processed, and therefore should be seen by specialists Lesson TV broadcast and take notes and then re-registration in the light of the proposed amendments

5 - Stage Broadcast : Before starting this stage should be on the media to announce that it began to broadcast educational programs and the distribution of television guide for students schedule appointments<sup>1</sup>

Video cassette types and functions:<sup>2</sup>

The basic function of multiple organs video cassette made there more than one type of these devices depending on the function or functions designed for Regardless of the system VHS or Betamax, the most commonly used devices are devices with multiple functions that contain the unit to re-supply unit for recording and the other for the election of the channels and the unity of time, and the rate of high-frequency, and Nutrition Unit

### Systems of educational television broadcast networks in universities:<sup>3</sup>

#### First, Open circuit system components:

##### 1 - Cameras: They are the types of them:

- Studio cameras: a relatively stable as they move in all directions inside the room studio and be the photographer in constant contact with the director in the control room, and function of this machine is the transfer of sound and image to the control room to be recorded or broadcast live

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<sup>1</sup> van Rooij, Shahron Williams- Instructional Design and Project Management: Complementary or Divergent? - *Educational Technology Research and Development*, v59 n1 p139-158 Feb 2011- available at: <http://ericedgov/?q=educational+programs+product&id=EJ913748>

<sup>2</sup> الدور التعليمي للفيديو والتلفزيون. - (يناير ٢٠١٦). - متوافر على الموقع:

<http://www.khayma.com/education-technology/TCH11HTM>

<sup>3</sup> حسن، محمد أحمد. - التلفزيون كوسيلة تعليمية. - (فبراير ٢٠١٦). - متوافر على الموقع:

<http://social-studies74ahlamontadacom/t790-topic>

- Phones cameras: The function of outdoor shooting, the less weight than the first, and the shoulder, and rely on electric power based on dry batteries rechargeable and depending on the ongoing developments became the recording device and imaging in one machine, in addition to the types of perception even in the degree of illumination is very weak, in addition to its small size and ease of use and pregnancy

## 2 - Video: Where is the studio recording material directly

These devices is a voice recording devices and image, and close similarities Tapes tape cinema in terms of structure

- 3 - inverter device data: his job in the system open circuit display any written material or painted in the same colors natural
- 4 - Device Telecinema: his job animated movies broadcast live or transfer of the image to film videos, in addition to the broadcast color slides that show usually breaks between programs
- 5 - Machine Print Titles: The function of this device in writing any material we want, such as titles and the names of those who have to work like: Representative director and producer, and photographer, and this relates to the machine control unit

## Second, a closed-circuit television (closed - circuit TV):

CCTV: closed-circuit television broadcast in which specialized programs for a particular class, either to tackle the problem of the shortage of qualified teachers, or information for a large number of students in the halls of dysfunctional in one building or several buildings adjacent, have been used CCTV successfully in the education of Girls University in the early stages<sup>1</sup>.

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<sup>1</sup>الفيديو التفاعلي. - (فبراير ٢٠١٦). - متوافر على الموقع: <http://tecnologie4toom/archivehtm>

## Types of educational television sets:

Different types of devices depending on the TV show the basic functions designed for performance where there are three main types:

### 1 - A television receiver TV Receiver:

It receives TV channels transmitted from different base stations by antenna at high frequencies

### 2 - Projectors Video: TV Monitor

It presents only the signal visible unadjusted or signals of visual and audio unadjusted together, and cancel the antenna and side channels, and have an entrance to indicate visual Video Input and the entrance of the sound signal Audio Input and sometimes director for each of the reference video and audio Video / Audio Out

### 3 - Receiver and display: TV / Receiver

And merge it and posts of the two devices shall be his former private entrance to the antenna signal, and the entrance of the visual signal and another for audio signal with a unit converter device from the reception mode for high frequencies to the display mode of the visuals and music by the desired purpose

## Steps use of television in teaching: <sup>1</sup>

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<sup>1</sup> حسن، محمد أحمد- التليفزيون كوسيلة تعليمية.- (فبراير ٢٠١٦).- متوافر على الموقع:

<http://social-studies74ahlamontadacom/t790-topic>

### **First, the setup before the show and includes:**

- A- Make sure the program is suitable for the objectives of the lesson
- B- The preparation of the reception venue to focus attention
- C- Before the creation of the minds of students seen by clarifying some of the concepts or raise some questions

### **Second, the setup during the show and includes:**

- A- To draw the attention of scholars in the program
- B- Note the reactions of students
- C- Urged the students to record some thoughts and observations

### **Third, after the show and includes:**

- A - Discuss answers to questions raised by the show
- B - Calendar program to make sure that the investigative targets set

### **Educational animated movies**

Educational films aimed at providing the learner experience real, these films were not the result of age, but has its roots historically evolved until I got to where it is now <sup>1</sup>

### **Educational components of film animation:**

A strip of translucent plastic processor chemically and registered by the set of photographs give a sense of movement when they run, and it has several types of movement:

- Normal (imaging and display rate of 24 frames per second)

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<sup>1</sup> الأفلام التعليمية المتحركة (جامعة جنوب الوادي، مصر). - (فبراير ٢٠١٦). - متوافر على الموقع:

<http://redseaedublogspotom/2010/12/blog-posthtml>

- Fast (imaging and display at a rate of 3 frames per second)
- Slow (imaging and display rate of 48 frames per second), and the audio is recorded on those movies the way magnetic or optical

### Types of educational animated movies:

- Educational films differ among themselves in terms of genre and presentation:
- Films 8 mm (8 mm displayed a silent animated films and what is currently the back speakers)
- Films 16 mm (displayed 16 mm which is the most widely used in the educational process, including what is silent, including what is the spokesman and the perception of the image normal any display 24 frames per second, including short films of 4-5 minutes, including the documentaries - including educational films permanent)

Educational Studio in universities <sup>1</sup>

### Studio room consists of a set of educational modern appliances:

- Devices that rely on image-only (such as those offered through automated researcher such as maps and still images and transparencies)
- Devices that rely on sound and image together (computer and contents of educational programs, and television, and video)

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<sup>1</sup> تكنولوجيا التعليم. - (يناير ٢٠١٦). - متوافر على الموقع:

[http://doaa87blogspotcom/2008\\_12\\_01\\_archivehtml](http://doaa87blogspotcom/2008_12_01_archivehtml)

- The monitor overhead projector
- To view a cassette tape recording
- Copier
- Device over key a device that connects between the computer and the television

Components of the educational television text <sup>1</sup>

**Must be characterized as follows:**

- 1 - Objective: The intended target specific educational and expressed by educational material, and is working to achieve
- 2 - The nature and content components: what the program would entail elements of audio and video, and paragraphs and style linked
- 3 - Elements Shape: shapes and molds the programs that came with the text and the appropriateness of the content of this form
- 4 - Aspects of creativity: the writer's ability to innovate, and it is in the ability of the influential program

**Production of educational television**

For the success of television material must form a team of the production process and the team consists of the following:

- 1 - Starter educational material
- 2 - Starter text television
- 3 – Director
- 4 - Assistant director
- 5 - Software provider

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<sup>1</sup> Strassman, Barbara K; MacDonald, Hillary; Wanko, Lindsay- Using Captioned Media as Mentor Expository Texts- *Reading Teacher*, v64 n3 p197-201 Nov 2010- available at: <http://ericedgov/?q=educational+television+text&id=EJ904701>

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The main tasks of the team prepared for the design of educational material are:

- 1 - To clarify and interpret the content and text components
- 2 - Determine the form of tutorial, and the foundations of the stages of production
- 3 - Infinite cadres of production: cameramen, sound technicians etc.
- 4 - Infinite elements involved, and determine their role in the program
- 5 - Complementary aspects of the production: the so-called production services of educational devices
- 6 - Make sure that you can provide techniques television - tricks, effects, and the possibility to use studios recording
- 7 - Control the timing and rhythm of the program the speed and timing of any sequence of scenes and shots
- 8 - Conduct necessary training (rehearsals), and then register the program

### **Educational channels:**

#### **The concept of educational channels:**

It is the transfer of ideas, knowledge and learning experiences through the interaction of verbal or non-verbal communication between teacher and learner or between learner and teacher etc. through certain channels to achieve specific learning objectives <sup>1</sup>

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<sup>1</sup> Huang, Jian; van den Brink, Henriette Maassen; Groot, Wim- College Education and Social Trust: An Evidence-Based Study on the Causal Mechanisms- *Social Indicators Research*, v104 n2 p287-310 Nov 2011- available at:  
<http://ericedgov/?q=education+channels&id=EJ941487>

- 1 - Students in different stages and disciplines
- 2 - The illiterate of the elderly, and persons with special needs(deaf - dumb - Blind and blind)
- 3 - Teachers and Mentors
- 4 - Fathers, mothers and children in particular age
- 5 - Decision-makers
- 6 - Writers and intellectuals
- 7 - Specialists, researchers and interested <sup>1</sup>

### **Employment in educational channels:**

Is placed in the context of the responsibilities and tasks of work for each of the Ministry of Education and the Gaza Nile channels specialized radio and television, as follows.<sup>2</sup>

### **First, the responsibilities of the Ministry of Education:**

A - based map of the Supreme Committee of the Ministry of educational channels to be involved in the preparation of the proposed format official channel of the Nile sector of satellite channels B - the ministry, represented in the curriculum development center fully responsible for the preparation stage and write scientific texts and scenarios for all materials and curriculum enrichment programs and programs for educational channels

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<sup>1</sup> مفهوم الاتصال وأسلوب النظم في التعليم.-(يناير ٢٠١٦).- متوافر على الموقع:

<http://www.woodcities.org/edutech5/chapter2.htm>

<sup>2</sup> التليفزيون التعليمي.-(فبراير ٢٠١٦).- متوافر على الموقع:

<http://ar.wikipedia.org/wiki/%D9%85%D8%B3%D8%AA%D8%AE%D8%AF%D9%85:Chaimaa35>

B - The Curriculum Development Center sends scenarios to turn the Nile specialized channels that are to meet with the program director with the screenwriter to agree on the proposed amendments in the scenarios

### **Second: The responsibility of sector specialized channels:**

A - Post official educational channels with the ministry team is responsible for the preparation of a proposed television broadcasting maps for each channel

B - Set production team of directors, programs and photographers

C - Start filmed and directed programs that are delivered to the administrator of each channel depending on the sequence of receipt

D - Sector channels responsible for the production of specialized curricula and educational programs

### **Recommendations**

Illustrated by the study provided the great importance of the need to apply the studio educational within the Public Authority for Applied Education and Training, and in particular, within the College of Basic Education is the IT department of education is the competent authority capable of setting standards and technical foundations and technique to create the studio's educational body.

It is clear from the study that the studio descriptive tutorial consists of integrated modules include the educational studio, and units for the production of educational films, equipment and technique rely on multiple computing devices and other equipment.

**Through the study provided the researcher recommends the following actions:**

- Processing of the building equipped technically appropriate to the nature of the educational work of the studio, including room's montage and sound insulation and lighting
- Expedite the provision of appropriate hardware in the studio educational including imaging devices - lighting - Montage - Audio - electrical wiring - backup power generators - electronic computing devices - devices video tutorial special offer, registration and conservation
- Subscribe via local TV channel to display the hours of study for students of Applied Education Authority
- The use of local and international expertise in the creation of the former studio of education in universities
- Contracting with functional expertise capable of managing technical workers and appropriate technical

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