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REVIEW ARTICLE

THE ROLE OF FUTURE STUDIES IN ACTIVATING THE PROGRAMS FOR THE NEEDS OF KNOWLEDGE ECONOMY IN HIGHER EDUCATION

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ABSTRACT

May be this research attempt at tent into the necessary that result Future studies for high education in Iraq into Future and to do civilizational changing in society locally and worldwide, and enter element refer to Future and what is carrying from changes in clued aims, plans and high education programs and keeping instructions twenty one (21) century in clued the knowledge economy.

Researcher sees from seek the titles studies found on the internet and some libraries which Future studies have future impact of higher education in Iraq on the knowledge economy and meet future requirements through build programs for these needs and this isn't from level Future studies in the developed countries of the world , if unless support for scientific material special for Future studying or to make Future build on facts and in this case , the aim of research is putting imagine suggest to do Future studies in build programs for needs the knowledge economy for higher education in Iraq. Now, we depend on research material descriptive analytic to achieve research goals.

The research contents Future studies by mention aims, problem and some manners search found in it.

As we show the relation between the knowledge economy and higher education by mention concept the knowledge economy and the relation between the knowledge economy and human resources and stage an establishments higher education in human development, as we show some programs used in introduce knowledge and the summary of these sides which high education an establishments are very important and active in human development and the studies arrive to imagine a proposal to activate the role of future studies in build programs for needs the knowledge economy through the following points :

- Doing Future studies in every side from these sides knowledge in high education joins it with the knowledge economy.
- Search about the main reasons which using in the development knowledge economy.
- Focus on future possibilities and effects between them and what is happening from results.
- To establish the Future research places in the higher education establishments in Iraq.
- Study the multiple Futures.
- Make standards for Futures studies.

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INTRODUCTION

Perhaps this research is an attempt to draw attention to the need for studies trending in higher education in Iraq to the future, and responding to the will of the cultural change in the community, and the world, and the introduction of an estimate of the future, and may bring changes in the goals, plans, and programs of higher education, and taking into account the trends the world in the twentieth century atheist and towards a knowledge economy. While the earth, labor, and capital are the three basic factors of production in the economy, has become an important asset in the new economy is knowledge, creativity, and information. Based on the foregoing, the qualified human resources with high skills are the most valuable asset in the new economy based on knowledge.

Placing higher education institutions in Iraq in front of large responsibilities for the preparation of qualified personnel that meet the requirements of the knowledge economy through the development of programs to meet these requirements.

The problem of research

Note researcher through briefed on published studies addresses on the international information network (the Internet), and some libraries, if future studies in higher education in Iraq, which dealt with the construction interview programs to the requirements of the knowledge economy are limited in terms of quantity, and that existing ones does not rise to the level of world future studies in this aspect, as no based on scientific methodology special future studies or Orientalism for the future based on objective facts , and thus can identify research problem by asking the following :

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(What is proposed to activate future studies in building programs to the requirements of the knowledge economy in higher education in Iraq?)

Research goal

The current research aims to visualize proposal to activate future studies in building programs to the requirements of the knowledge economy in higher education in Iraq.

Research Methodology

Researcher descriptive approach adopted for the analysis of the achievement of objectives of the research to gather information for future studies and the requirements of the knowledge economy.

Borders Search

This field of research is limited to the following:

- Higher education in Iraq.
- Concept of future studies and aspects related to it.
- Concept of knowledge economy and requirements

The concept of future studies

In reviewing the literature for the study of the future, we find there is variation in the concepts and terminology which has been associated with future studies, and perhaps this diversity in the label to see the difference in growing up the historical and ideological of those studies. Research and Studies on the study of the future has revealed the existence of synonyms several used to denote the same meaning, there are aware of the future (Futurology), and the term prospective studies (Futures Studies), and studies of insight (Foresight Studies), and Policies Research, and the prediction of the schematic (Prognosis), and Futures Movement, and perspective or future hoped (Prospective), and forecasting the conditional (Forecasting), and future (Futurism) (Zaher, 2004); and long-term planning (Long-term Planning), and projection, and Exploring the Future. (Abu Shairaa, 2010). Future studies can be defined as: "human diligence to explore the events following time targeted determine the probability of their occurrence, they are in fact dealing with events that have not yet occurred, and refers to the period of time that have not yet been solved, which is found only in the mind is conscious, and imagination, innovation and creativity, and the plans that we practice to anticipate the next time, and trapping the expected problems before they occur" (Abu Shairaa, 2010).

The goals of future studies

The education for the future is the most important atheist-first century features, so what it is to be this age of eruption of cognitive enormous, and changes in how remarkable occurred in the information processing methods, and to the emergence of a new technological revolution has contributed to the creation of the implications and future challenges, which makes people look to the future to reach Originally sources of knowledge, and then employ them in solving the problems faced by education, and from the goals of future studies in education:

- Explore a range of products and Implications, which have an impact on our future.
- Clarify the definition of the nature of the future and the factors influencing it.
- Detection priorities of our work in the future, and the potential problems that confront us.
- Identify the projected variables (Zaher, 2004).
- Welfare of the people in the future (Abu shairaa, 2011).
- Help educational institutions to develop, and the renewal of its objectives, policies, strategies, and processes, and activity in the framework educational determinants and future aspirations hoped (Abu shairaa, 2010).
- Explore form of the future can happen.
- Study form the future of possible occurrence.
- Interpretation of the past and present to be able to understand the future (Abu Shaira, 2011)

Future studies properties

Future studies are characterized some of the characteristics and features that distinguish them from the study of the past or the present that positioned to be an active anticipation of the future, an influential in the movement of the present and direction towards the future which is as follows:

- The future studies are characterized with the evidence as no longer possible to analyze problems by science or one specialty with the complexity and multiplicity of aspects of a single problem.
- Characterized by complex because the study of the future continuous on things a virtual possible occurrence if we realized that the variables affecting the future are many, and overlapping (Zaher, 2004).
- It has a correlating homely to reconstruct if the interest perception of the future of future and the next human experience in the type and composition, means focusing on cultural objectives, social, educational and clear, specific, and a far cry from the imagination, and illusion
- Focus on the will humanity conscious and the ability to exercise this will by seeking relentless, and rational desire for positive change to make the future expecte. (Abu Shairaa, 2010)
- As characterized by cosmic and means that the study of the future to look at problems in colleges and generality, and it is dimensions cosmic global.
- Ccharacterized by standard feature of the goals, values, and desires, and aspirations, and needs related to the future of the community.
- It is also characterized by scientific property and away from the self, and this is achieved by invoking the obvious facts. (Zaher, 2004)
- Future studies link the movement of the continuous time without interruption from the past to the present and to the future, the present born of the past, the future born of the present.
- Characterized by Prescriptive Knowledge, knowledge stems from the obvious values, ethical principles that determine how they should be the future.

- Characterized by pluralism, as the likely future based on predictive knowledge is not a future one, but futures unexpected (Diversity of the Futures), but this is not unlikely that the multiple visions forward-looking to the future, which was formed in final form after a dynamic world characterized by constant movement and rapid change (**Abu Shairaa, 2010**).
- It has a dynamic property, whenever the different variables increased its speed in the world, increased research in the future and envisioned the speed and dynamism
- The advantage of feature participate in decisions related to the future and build it (**Zaher, 2004**)

Future studies problems

May face a researcher for making assessments of future studies in the field of higher education some theoretical and methodological problems, including:

- The future has no independent existence tangible, and the reality so it cannot be studied directly, but inferred source of ideas past or present.
- High flexibility that makes up the future, making the options open to us (**Zaher, 2004**)
- The absence of stability and continuity in education policy and its lack of compatibility and integration between the steps and executive tracks.
- Ambiguity of the concept of future studies, and anticipates it with a lot of educators in educational institutions.
- Some researchers focus on the themes of traditional problems avoiding creative research that predicts the future and paint features (**Abu Shairaa, 2010**)
- Complexity the subject of future research being research in interrelated phenomena and overlapping extremely complex.
- Difficulty of verifying the results of future studies by experience, which reduces the accuracy of these results (**Zaher, 2004**)
- Close educational institutions for the introduction of future trends in its policy, programs, and educational activities.
- Discourage some communities on the research in the future, to the presence of social background, believes the rationale for including the following:
 - Some believe that the future is coming soon to the time is not ripe yet, and it's not here. Necessity
 - Dominance of some folklore vocabulary among some members of the community are not encouraged to look in the future.
 - Sufficiency, including the status quo no matter how bad look forward to future positive change (**Abu Shairaa, 2010**)
- Resume researcher, it is the future study relates to the activity practiced, has been unable to extricate himself from the beliefs, prejudices, intolerance, prejudice, and in particular whether the central environment and encourage it.
- The study of the future is not possible to become integrated, but if we look at the future through a variety of disciplines, it cannot be for the future of scientific technology to retire for the educational future, not about the

economic future, not about the political future, nor social, and cultural, and all not isolated from the future of civilization (**Zaher, 2004**)

Search methods in future studies

With the increasing adoption of students in future studies on the use of science and Varied their research methods, including:

Style future derivation (Trend Extrapolation): This method is associated with the past and present, it is assumed that the influential powers in the last stray influential in the future, and it was this method appropriate in intervals previously by the breadth of the change movement related to science and scientific wealth, but he seemed to lose strength with growing movement variables resulting from the growing of Scientific Revolutions (**Abu Rite, 2010**), this method is based on identifying the key elements in the society's past, and the future is conceived as an extension of these elements. (**Mattawa, 1986**).

Delphi (Delphi Method) method: This method is based on the basic idea aims to access the image of the future as possible, based on the performance of a number of experts (**Abu Shairaa, 2011**), and requires that these experts to re-try a number of times, and provide the following every attempt feeding feedback (Feed Back) on the results of the previous stage, the purpose to get a consensus or a majority of opinion on the future image of one (**Mattawa, 1986**), and brings together experts when making their minds between their expertise in the case with the study and survey, the ability to foresight, creative imagination towards it, where events are the interaction between the views of experts in an indirect way through the rounds (Rounds), where it is strengthening basic information in each round feedback occasion, (**Abu Shairaa, 2010**), and I have this method could be active in the field of technological forecasting, social (**Abu Shairaa, 2011**), and studies, and future research (**Zaher, 2004**).

Brain storming method: This method is based on a great deal of spontaneous thought, and starting to talk, and requires it come up with results, standardized concepts, and is useful in understanding, and explore new dimensions for a certain problem, and possible solutions (**Abu Shairaa, 2010**).

Morphological analysis method (the study of shapes and installation) (Morphological Method)

It is one of the best commonly used methods in the case of positions that can be analyzed to parts and components can be treated in detail, and the longer this method as an extension of the methods of systems analysis, as they are thoughtful analysis of the system to its parts and essential components, then handled independently (**Zaher, 2004**), and be present problems, and the future is the focus of a study researcher analyzed and diagnosed, and developing appropriate solutions through a combination (**Mattawa, 1986**), the development of appropriate combination that gives solution years of the problem requires the identification of all combinations that give possible solutions, and then choose the combination that

gives optimizing solution of these combinations (Joseph, 1982).

Style scenario or the future vision (Scenario Method)

This method is based on the description of the future in a series of events bound, and the interdependence from starting point in the past to a future point (Mattawa, 1986). And is this method one of the main methods used in future studies, a systemic methods because they are the variables with each other, and try to organize the logical consequence of the events, and show the evolution of the present (Zaher, 2004), is based researcher who uses this method to the way ordinary thinking to report the outlook, he envisages a future position in the study, with the expense of all the possible alternatives and possibilities expected, based on experience derived from the reality in which we live, and this method helps us to understand what happens in the future as a result of the decisions taken at the present time. (Abu shairaa, 2011).

There are two types of scenarios: inductive scenarios, the data used are taken mainly from the present, and sometimes from the past, and keep track of the main lines of the possible, and the potential is based on the trend scenarios and standard scenarios describe alternative case of system subject analysis (Zaher, 2004), the methods of formation scenario, there are two ways: solid or strong (Hard), and use the quantization based on the data, or the soft light and the way (Soft) which is intuitive, not digital (Richard, 1983).

Knowledge economy, higher education

Means the knowledge economy (Konwledge Economy) to be defined is the main engine of economic growth (<http://ar.wikipedia.org>), and the knowledge economy depends on qualified human resources and high skills, and make the investment in human capital is the key to the progress of peoples through the transformation of resources human into creative energies to achieve the desired progress, countries in the world able to achieve high economic growth rates, and became occupy a leading position among countries of the world, depending on their holdings of HR keen to rehabilitate and develop their skills and capabilities. The world economy today is moving increasingly towards a knowledge economy, which relies primarily on human resources which have become an engine of production development, and economic growth (<http://riyadhief.com>)

From the foregoing it should be Iraq's economy turns into a knowledge economy based on technology and information to interact with the global trends. Given the importance of investment in human capital and its role in achieving the requirements of the knowledge economy requires institutions of higher education in Iraq prepare qualified human resources for the knowledge economy through building programs aimed to that.

In conducting future studies in higher education aims to invest the necessary human resources to speed up the transition towards a knowledge-based economy is necessary to use the concepts of strategic planning, and analysis of strengths,

weaknesses, opportunities and challenges in measuring indicators towards a knowledge economy, human development (<http://www.almarefh.org>).

It seems necessary to teach us turn towards the future, and the production of knowledge through building programs to meet the requirements of the knowledge economy, has indicated (pleasure 2005, S283-296) to some of the programs that contribute to this are the following:

- Creative thinking program.
- Thinking and cooperative education program.
- Future problems program.
- Unlimited talent program.

He also noted (Zaid 2008) to the other programs, including:

- Biraud program for the development of creative thinking.
- Six hats program for Debouto.
- Emphasis on the development of abstract thinking processes.
- Emphasis on analytical thinking project.
- Cards program to teach thinking skills.
- Many other programs in this framework.

From the above conclude that institutions of higher education is one of the effective dynamic fields in manpower development, and prepared in any society, as the human basis of all development, the real engine, and effective in their input, as they effectively contribute to the achievement of society's demands and aspirations of future, which is the primary means to meet the requirements of the knowledge economy, and the challenges of development. The way to achieve higher education institutions in Iraq to the requirements of the knowledge economy is the future conduct extensive studies include the dimensions of the knowledge economy on the outputs of higher education to be able to organizers of the management of these institutions to develop programs that check .Thirdly Imagine a proposal to activate the role of future studies in building programs to meet the requirements of the knowledge economy Philosophy proposed visualization Required new higher education system in Iraq to be a producer of knowledge that meets the market economy, The objectives of higher education should be defined on the basis of the creation of the students for life in a world different from that in which we live now, as we will face inevitably in the future new positions do not find what similar in our past lives, since we live in an era of innovation and renewal. Educational future is linked to educational planning over the life of each individual, and educational planning is linked with results of future studies.

The proposed visualization

Can determine the proposed visualization to activate the role of future studies in building programs to meet the requirements of the knowledge economy of higher education in Iraq following :

- Conduct future studies specialist in every framework of knowledge in higher education and linking them to the knowledge economy.

- Find the root causes that contribute to the development of the knowledge economy.
 - Guide decision makers in higher education institutions to the necessary programs to meet the needs and requirements of the knowledge economy.
 - Move away from self-forecasting and asylum to the scientific methods when conducting future studies.
 - Move away from traditional methods when studying the future, look to the future as a knowledge-based study.
 - Compatibility of future studies with the spirit of the age.
 - Taking into account the varying perspectives of the future knowledge economy when conducting future studies in higher education.
 - Focus on future possibilities, and mutual influence on each other, and the consequent expectation of results.
 - Orientation towards future studies in higher education that aims to new knowledge-based organization that aims to collect information, and upgrading methods, and procedures into the rules and principles by which the political decision-making confrontation for the behavior of students and decisions to serve the knowledge-based economy
 - Determined that future studies in higher education in Iraq in creating a future vision for education policy makers, and to allow them to choose qualified human development programs for the community's knowledge economy.
 - Work on an extrapolation of the nature of future years.
 - Focus on the direction of the study approved the variables of the future.
 - Allocation of funds for the expenses of future research.
 - Establishment of centers for research in the future institutions of higher education in Iraq.
 - Standard-setting for future studies to walk through them researchers
 - Determined that future studies in higher education in Iraq in creating a future vision for education policy makers, and to allow them to choose qualified human development programs for the community's knowledge economy.
 - Work on an extrapolation of the nature of future years.
 - Focus on the direction adopted for future variants of the study.
 - Allocation of funds for the expenses of future research.
 - Establishment of centers for research in the future institutions of higher education in Iraq.
 - Define criteria for future studies of walking in the light of the researchers.
 - The focus of the concerns of future studies do not exist in space last repair, or refine present errors, but are formed towards the formation of a comprehensive idea of including general elements, and create a social humane environment, and material better as a result of taking a set of variables and outcomes in mind before it is translated into action and activity
 - Focus on the study of multiple receptors, where it was found that there was no one in the future and inevitable, but many models of the future potential.
- The training those who future studies on the approved analytical skills on the basis of mutual influence, as the progress in into any subject framework may result in effect in another framework.
- Benefit from the results of future studies in higher education in achieving the requirements of the knowledge economy.
- That has a future researcher skill to determine what is unseen or unexpected, which has to do with the study of the various possibilities that could play a role in the process of upgrading the knowledge economy.
 - Be the goal of future studies exploring the range of products and Implications, which have an impact on our future.
 - That future studies in higher education seek to clarify the definition of the nature of the future, and the factors affecting it.
 - Reveal the priorities of our future work of the potential problems that we face and have an impact on the knowledge economy in Iraq.
 - That future studies in Iraq aimed at higher education institutions to help the economic development policies, strategies, and linking goals, plans, and programs of higher education objectives.
 - That future studies aimed at the possible occurrence of future study.
 - To work on the interpretation of past and present to be able to look to the future.
 - The future studies include all variables, whether local, or regional, or international, also have an impact and the repercussions affect our future in general, and more particularly with regard to the knowledge economy.
 - Into account the moral values that determine how that should be our future.
 - Rely on listening and quantization in predicting the future, and how to stay away from the provisions, and the self that are not based on numerical data and statistics.

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