# knowledge Economy Support Concept Entrepreneurship Prof. Mohamed Ezzat Saad Mahmoud

Industrial Design Department-Ffaculty of Applied Arts-Helwan University Prof. Nermen Kamel Mohamed Elgedawy

Industrial Design Department-Faculty of Aapplied Arts-Helwan University Assist. Lect. Maha Ali Shawky Ali salem

Product Design Department-Faculty of Applied Arts- 6 October University

Mash\_designer@yahoo.com

## **Summary:**

#### **Research Phenomenon**

The world today is characterized by the third millennium, globalization and technological development with the emergence of a new stage and its most important widespread features and unrecognized use of the information revolution and the following knowledge revolution that affects all fields and sectors, in recent decades technology and knowledge are Intangible materials as they are key determinants of growth because tangible assets such as equipment, infrastructure and the accumulation of productive factors have been relied on in the past, but there has been a boom and a great difference in recent years, with widespread interest in intangible resources of knowledge. Which helps the pioneer to get the knowledge he needs to create a pioneering project and that knowledge depends on the knowledge economy, which depends on three basic elements, namely creativity, education and knowledge.

# **Research Problem**

The problem of the research is that traditional businesses, whether small or large, are interested in focusing on information based on similar projects and the rate of access to that information is very limited and those works depend on the old economy based on raising quality and reducing cost while leading Business depends on another type of economy, which is the economy of knowledge, because information is one of the main pillars that is relied upon under modern technology, which contributes a great deal to support entrepreneurial activities and achieve its goals, especially in all stages of the pioneering project, figure No. (1) explains, the problem of the research is to quote the basic elements of the knowledge economy to create a new model of entrepreneurship based on those pillars where the main element of knowledge economy is quoted which is knowledge for the economy of knowledge and creativity to benefit the entrepreneur in how to gain experience as a result for practice as well as design education, which benefits the pioneer in being able to set up the pioneering project through the art of design and design craft.

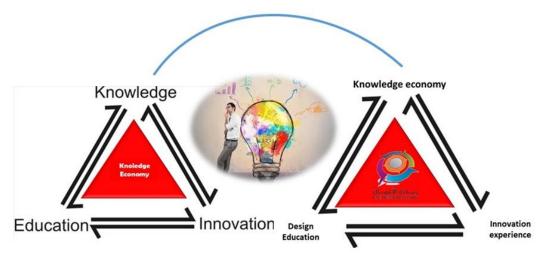


Figure 1: Problematic Search

### **Research Objective**

The knowledge economy model was inspired to support the concept of entrepreneurship as the knowledge economy is the main umbrella from which a group of incubators and those incubators emerge from "entrepreneurship".

# **Research Methodology**

The research is based on the inductive approach through which the importance of the knowledge economy and its clear impact on entrepreneurship can be explained.

# Research plan

The search plan includes a range of integrated phases:

First stage, the survey and information gathering phase: at this stage the available knowledge parts of the subject of the research are collected, the most important of which are:

The concept of knowledge economy and the clarification of the basic concepts and pillars on which knowledge economy depends, namely knowledge, education and creativity.

A second phase, which is the stage of analysis of information and analysis of previous concepts and linking them to each other and then reaching a model of entrepreneurship based on the corresponding elements of those elements on which the knowledge economy and those elements are represented in knowledge of the economy and the education of design and the experience of creativity.

### **Keywords**

Innovation experience - Design Education - knowledge Economy - Entrepreneurship Design art-

#### Introduction

In this paper, we will address a set of fundamental pillars on which knowledge economy depends and through this study and analysis we can find a model of entrepreneurship based on the basic pillars of the knowledge economy and this new model is the experience of creativity and design education which dealt with education through the art of design and design craft.

# First: Knowledge Economy

Knowledge economy is a contemporary concept and is considered one of the latest economic concepts that a large number of researchers have been interested in in recent times, because

knowledge and information are one of the most important pillars that are relied upon in all fields and for the construction of a successful irrigation project, we must rely on information and knowledge to help us manage this pilot project.

The knowledge economy is one of the economies that depend on the use of knowledge and information and the economy of knowledge essentially is the economy of services and this type of economy depends on the infrastructure represented in systems, networks and information technology in addition to transportation and equipment.

Knowledge is the main driver of any economic success and is the main factor of the competitiveness of enterprises and the basis of any economic success in the economies of some countries, especially the countries based on their economy and their development on knowledge, relying on it by adding value to production based on economic factors through the application of Modern Technology and support innovations whether they are new inventions or new knowledge, and information are applied to make change and progress in all different fields and sectors

# **Second: Aspects of the knowledge economy**

The knowledge economy depends on three main concepts, namely knowledge, education, creativity, and these concepts, the more integration and overlap between them, the more competitive the institution increases, figure 2 clarifies the characteristics of the knowledge economy.

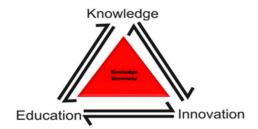


Figure 2: Characteristics of the Knowledge Economy

#### 1. Knowledge

Is the ability of the individual to understand what is going on about information in various fields and the ability to obtain that information and gain it and be through observation and meditation and experience and also to monitor what others do and follow up their findings and analyze those results and research and try to find the unknown in order to reach the real knowledge, knowledge is also formed through the effort of the individual and his experiences gained in several, various fields.

#### 2. Innovation

An effective value-adding system that is sufficient to benefit the customer or help the organization reduce costs while offering more efficient products. In other words, add value to both the organization and the client. Through fruitful cooperation with academic institutions and other organizations that can keep up with the growing knowledge revolution and absorb it and adapt it to meet local needs.

#### 3. Education

It is the cornerstone of the success of the knowledge economy, representing many countries such as Taiwan, Hong Kong, Malaysia, India, Turkey, Korea and other countries that have transformed their economy, and over the past two decades have been able to demonstrate their economic presence strongly thanks to significant investments in education and vocational training. Education is essential for economic production and competitiveness and states must provide innovative competencies and innovative minds (human capital) capable of integrating modern technologies into work. By integrating ICT with creative skills.

# **Third: Entrepreneurship**

In the light of globalization, technological development and the information-sharing era, the concept of entrepreneurship has been developed within the framework of the knowledge economy and, accordingly, a new model of entrepreneurship elements has been developed, and these elements are adapted from the key elements of the knowledge economy Figure 3 represents the characteristics of entrepreneurship.

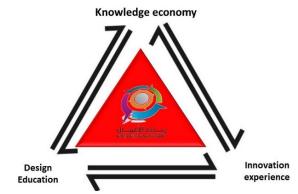


Figure 3: Entrepreneurial Characteristics of Design Education

To teach design is of great importance in the field of entrepreneurship as the design is one of the main factors on which the pioneer depends on to achieve its objectives because the design is a scheme developed by the leader and this scheme helps the director of creativity and the executive director and the leader himself to work and follow this approach or the blueprint that was already drawn up.

### **Innovation experience**

Experience is formed through the accumulation of knowledge, information and creativity is one of the most important pillars on which the leader of the leadership to establish a leadership project different from the traditional projects and the experience that is formed by the director of creativity or the leading person help him to remove all obstacles that may be encountered when starting to Pioneer project.

#### **Results**

- Quote model for entrepreneurship.
- Linking the basic elements of the knowledge economy and explaining the impact of each of them on the other (knowledge-education-creativity) and the impact on entrepreneurship.
- To illustrate the role of education in its innovative design education concept that focuses on Art Design & Craft Design and their impact on entrepreneurship.

• Explaining the course of innovation experience and its importance in the development of entrepreneurship .

#### **Recommendations**

- The entrepreneur should be interested in a knowledge economy-based entrepreneurship model as a core model.
- The entrepreneur's interest in developing his cognitive, organizational skills.
- The need for the entrepreneur to determine the level of the organization and measure its performance in comparison with the objective and to measure it continuously.
- The need for the entrepreneur to be interested in dealing with those with experience in specialization to raise the level of the performance of the pilot project.

#### References

#### First: Arabic references

- 1 Elsady, Aziza doctor- Aldosery, Hala doctor (mafahem alektesad almaarefe wa tatbekato wa tahadeyato fe dewalmagles altaawen alkhalege. 2012m)
- "concepts of knowledge economy and its applications and challenges in the council of Gulf cooperation countries-2012.
- 2 Alshamrey, Mohamed Gabar Taher(doctor) (dor ektesad almarefa fe tahkeek alnemo alektesady -anmozaga2009m)
- "role of knowledge economy in achieving economic development".
- 3 Alhedrawy, Hamed Karem(tasear estrategeat tecnologia almalomat fe ektesad almarefa ,atrohat doctorah khermanshora algamea almostansaria,alerak.2010)
- "influences of strategies of information technology in knowledge economy" unpublished PhD thesis- Almostansaria University-Iraq-2010.
- 4 Alaboad, Fahd bin Nasser (mafhomalektesad almarefy, almontada alaraby llmawared albashareia .2010) "concept of knowledge economy-the Arabic forum for human resources-2010"
- 5 Marwa Ahmed-doctor (alreyada w edaret almashroaat alsaghera, altabaa aloula :manshorat gameat alkods almaftouha) "sports and management of small business" 1st edition- publishing of Jerusalem open university.
- 6 Saad, Mohamed Ezzat, doctor (design business 2009)
- 7 Fayez Gomaa Saleh Alnagar, Abdelsatar Mohamed Alaley Alreyada wa alamaal alsaghera. daralhamd llnashr wa altawzea. Alordon 2006) Sports and small hopes" Al Hamd house for publishing and Distribution-Jordan 2006.

#### **English references:**

- 1. Barclay, Rebecca & Murray, Philip, What is Knowledge Management? Knowledge Praxis, Vol.(7), 2002.
- 2. Peter, Green, Design Education Problem solving and visual experience, Mary Baker City, Alex Glasgow,1971.
- 3. Verna, Allee, The Future of Knowledge Management, Butterworth Heinemann, Amsterdam, 2003
- 4. Coakes, Elayne (ed.), Knowledge Management: Current Issues and Challenges