
EFFECTIVENESS OF TRAINING PROGRAM FOR BASICS OF SEWING TECHNIQUES FOR WOMEN IN NORTH SINAI

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Abstract

In the context of concern for the issue of comprehensive development, and based on the fact that development is based on its starting points on mobilizing the human energies present in society. Given that both training and development are closely related to the development of human forces with the aim of achieving human development and thus society in all social, economic and cultural fields, as it depends on two elements, one of which is human and the other material, and with the integration of the two elements together, development is achieved.

Keywords

Effectiveness, Training Program, Sewing Techniques, Women, North Sinai.

Introduction

Training of human resources is an effective direction that contributes to increasing production efficiency because it is a response to external environment changes and as a result of the successive global changes that the world is witnessing, and the application of the global trade liberalization agreement and the technology revolution, so it was necessary to promote small enterprises as one of the ways to solve many economic problems and Social and developmental conditions and as a result of the terrorist incidents that Sinai faced recently and other political and economic problems that led to the deterioration and dispersal of families due to the loss of the husband in terrorist operations or his leaving the house due to political and security conditions and reasons, all of this led to the burden of the family being placed on the shoulders of the woman who had to bear the man's responsibility Provision of material resources for her family, which led to laze The percentage of breadwinning women in Sinai increased at a rate of 91.4%.

Given the nature and conditions of women in North Sinai Governorate, one of the most appropriate work that a breadwinner woman can undertake is to achieve economic care for her family is the field of knitting. As this role adopts the centers for vocational training in the region, which prompted the current research to go towards designing a training program to provide a sample of women in North Sinai with basic knitting techniques skills in order to be able to prepare and implement clothes, which helps her to bear the expenses of her family. Learning basic knitting techniques is One of the basics of learning how to make clothes that

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have a fast financial return.

The research problem is determined in the following questions:

- 1- What is the possibility of designing a training program for foundations and knitting techniques for the breadwinner Sinitic woman in North Sinai Governorate?
- 2- What is the effectiveness of the training program in providing breadwinner Sinitic women in North Sinai Governorate with knowledge related to basic skills and knitting techniques?
- 3- What is the effectiveness of the training program in providing the breadwinner Sinitic woman in North Sinai Governorate with the skills for basic knitting techniques

Research Terms

1- Effectiveness: means the desired or expected effect that provides a specific purpose. The ability to make a decisive impact in learning time, or the ability to make the right actions. It is the ability to determine the desired or expected effect determined by the program in order to achieve the goals for which it was set. This effect is measured by identifying the increase or decrease in the mean scores of the sample individual in actual situations within the study laboratory.

2- The program: The surrounding lexicon clarifies that the approach set for a work, such as radio programs and educational programs, is the plan that a person submits in order to have a guide in his work, a set of systems related to the goals set according to the bylaw or project plan in order to develop knowledge and skills.

3- Training:

An individual-centered, systematic, planned and continuous process that aims to bring about behavioral, artistic and mental defining changes to meet current or future specific needs required by the individual.

4- Training program:

It is the effective scientific method for providing the necessary ingredients to perform business efficiently, and it is the means by which individuals can develop behavior, develop their skills, and upgrade their mental and professional capabilities towards better performance.

What is meant by the training program in this research:

An activity that begins with planning a set of knowledge and skills related to basic knitting techniques during a specific period of time to provide them to the trainees through follow-up and training.

Basic sewing techniques:

It is the technical methods used to assemble the parts of the garment according to the classification of the type of sewing and the materials used in terms of (texture - thickness -

design) to reach the final shape of the clothing product using a regular sewing machine.

Breadwinners women:

Language: (The family) is the household of the man on whom he spends (for the male and the female), the plural are children.

The breadwinner idiomatically: it is the woman who spends on herself or her family, that is, the woman who takes care of her affairs and the affairs of her family financially, and on her own without relying on the presence of the man (husband, brother or father).

The breadwinner woman is the widow, the divorced, the wife of the patient with incurable disease, the wife of the incapacitated, totally and partially incapacitated, the wife of the prisoner, the abandoned wife of the breadwinner and who is the same.

North Sinai:

It is considered one of the governorates of the Egyptian Republic, and its capital, El-Arish, is located in the northeastern side of the republic on an eastern longitude (34, 32) and a northern latitude (29, 31). It is bordered on the northern side by the Mediterranean Sea by 220 km, on the southern side, by Ras al-Naqab and the Metla Corridor, on the eastern side by the Gaza Strip, on the western side by the Metla Corridor, and on the north by the Baluzah area. North Sinai is the eastern fortress of the Republic. As most of the invasions of Egypt throughout history were through this region.

North Sinai Governorate has a land area of 27. 564 km, its capital is the city of El-Arish, and the governorate is divided into six administrative centers (Bir al-Abd, Al-Arish, Rafah, Sheikh Zuweid, Al-Hasana, and Nakhl).

Search limits: The current search was limited to:

- 1- Vocational Training Center in Bir al-Abd - North Sinai Governorate.
- 2- The breadwinner Sinai woman in North Sinai Governorate from the age of 22 to 55 years.
- 3- The program will be implemented within (3) months.

Research Hypotheses

- 1- There are statistical significant differences between the mean scores of the trainees in the cognitive test of the research sample before and after the experiment in favor of the post test.
- 2- There is a statistically significant difference between the average scores of the trainees in the skill test of the research sample before and after the experiment in favor of the post test.

Research Methodology

This research follows the semi-experimental approach in order to suit the achievement of research objectives and to verify hypothesis.

Research sample: The research sample consists of:

- The number of (18) Sinai women (breadwinners) in North Sinai Governorate, whose ages range from (22: 55) years, have literacy.

Research Tools

1- A training program for basic knitting techniques for the breadwinner woman in North Sinai Governorate.

2- A cognitive test to measure the foundations of knitting techniques before and after the program.

3- A skill test to measure the foundations of knitting techniques before and after the program.

4- A scale for estimating the executed samples.

Procedural steps for research:

1- Reviewing previous studies and collecting scientific material on research

2- Determining training needs.

3- Preparing the content of the proposed training program for training in basic knitting techniques.

4- Preparing research tools and judging them by specialized professors.

5- Calculating the validity and reliability of statistical tools.

6- Applying cognitive and skills tests, pre and post, for the training program for basic knitting techniques.

7- Presentation, analysis and interpretation of results.

Previous studies: First: Studies that dealt with training programs:

1- Ross Lawrence Peck Ford (2000) study entitled “The Role of Training in Human Resource Development” with the aim of highlighting the role of training in human resource development, through the Human Resources Development Organization (HRDC) in Newfoundland and Labrador, which deals with researching the problems of technical designers. And identifying their training needs in the field of clothing and textiles The study concluded that training is one of the most important factors that help raise the efficiency of individuals, and emphasized the importance of continuous development and improvement in training programs for the development of human resources.

2- A study (Trevor Morrow (2001) entitled “Training and development in the ready-made garments industry in Northern Ireland, with the aim of identifying the impact of training and development on production efficiency and quality level through the analysis of human resources training data.

Second: Studies dealing with knitting techniques:

3- A study by (Ibrahim Saber Muhammad (2004 AD) entitled “Effectiveness of a Training

Program for Skill Performance for Knitting Techniques” The study aims to determine the effectiveness of using a video training program on the skillful performance of basic knitting techniques and comparing it with the traditional method of teaching in terms of skill performance and cognitive achievement.

4- Study (Lily Muhammad Nabil (2004 AD) entitled “Effectiveness of a training program to impart some clothing implementation skills to female students of the third year, Educational Division, College of Home Economics,” The study aims to acquire some clothing implementation skills for students of the third year, the educational division of the College of Home Economics, through a program that has been completed Preparation based on the principle of learning for mastery.

5- Study (Azza Abdel-Alim Sarhan (2007 AD) entitled “Development of manual skills in implementing children's clothing techniques using computers for female home economics students at the Faculty of Specific Education” The study aims to prepare and implement a computer program for developing manual skills used in the implementation of children's clothing techniques, and from During the study procedures that included building a program using a computer.

Third: Studies that dealt with women:

6- Study (Hind Muhammad Ibrahim (2007 AD) entitled “Evaluating Productive Families Programs for Developing the Productive Capacity of Women to Face Family Pressures” The mission aims to monitor the actual reality of productive family programs directed to women in developing productive capacities to face family pressures by identifying the programs they offer Centers for preparing productive families and discovering the effectiveness of applying the training program designed to determine the productive capacities of women.

7- A study (Ghada Ahmed Abdel Mawgoud (2014) entitled “The Role of Education in the Social and Economic Empowerment of Women in Upper Egypt” with the aim of contributing to the socio-economic empowerment of women in Juhayna village in Sohag, thus imposing the imperative of supporting and empowering women in their social and economic participation.

Statistical treatment methods:

To verify the validity and reliability of the tools and the research hypotheses, the researcher used the following statistical methods:

- 1- Coder Richard 21 test to ensure the stability of some research tools.
- 2- The Alpha Cronbach laboratories to ensure the stability of some research tools.
- 3- Cooper's lab.
- 4- Test (T) to identify the significance of the differences between the mean scores of the sample

members before and after application.

5- Black's gain rate for modified earnings ratios to verify the effectiveness of the proposed educational unit.

Results

The results were presented in light of the research hypotheses as follows:

First: The presence of statistical significance between the mean scores of the trainees in the research sample in favor of the post cognitive test at a significance level of 0.01, where the arithmetic mean of the cognitive test scores of the trainees in the pre-test = 4.62 with a standard deviation of (0.86), where the arithmetic mean of the cognitive test scores of the trainees in the post test = 60.14 with a standard deviation of (270) 3. It is also clear that the gain rate for Black = 1.74 "And the research results agree with what was stated by (Ibrahim) Saber - 2004), which confirmed the effectiveness of training in increasing the trainee's knowledge level.

Second: It is evident that the three axes were evaluated in the order of regular sewing, English sewing, and French sewing were (44.23 - 39.57 - 47.96), while the total calculated value of t was the total note card (A) (80 .. 92) and all the values of (V) Statistically significant at level 0.01 which indicates that there is a statistically significant difference between the mean scores of the trainees for the research sample in the pre and post skill test of the note card. 1.76 - 1.90) for the three axes, while the value of the black average for the total gain of the card = 1.83 and all of them fall within the specified range, which is (1.20 to 2.0), indicating the high level of skill of the students after the implementation of the proposal

Grading scale: - (openings evaluation)

Table (3) results of the test (T) for the mean differences of the trainees' scores for the research sample in the skill test. The assessment of the openings, the following becomes clear:

1- The total values of the grade scale (59.95), and it became clear that the values of T calculated for the upper and lower parts amounted to (58.5627.38), all of which are statistically significant at the level of 01.0, which indicates the existence of statistically significant differences between the mean scores The trainees for the research sample in the pre and post skill test of the scale of estimation and the values of the arithmetic means indicate that these differences were in favor of the post test of the scale of estimation.

While the value of the black average gain, the scale = 153, the values of the black gain rates for the upper and lower parts were (1.65-1.40), and all of them fall within the specified range, which is (1.20 2.00), which indicates an increase in my skill level Students after implementing the proposed unit in relation to the grading scale. From the previous results of the second assignment, the high levels of sewing skills used in the implementation - evaluation of openings

(among the trainees) after the implementation of the proposed unit became evident as it became clear to increase the effectiveness of the proposed training program at the level of the skills performance of the trainees in the training program foundations knitting techniques. From (Azza Abd Al-Alim - 2007 AD) (Hind Muhammad - 2007 AD) and (Laili Muhammad - 2004 AD) in the role of training programs in providing the trainees with the skills of dress implementation and thus we verify the validity of the hypothesis

References

- 1- Ibrahim Saber Muhammad (2004 AD) "Effectiveness of a Training Program for the Skills Performance of Knitting Techniques", Master Thesis - Helwan University - Faculty of Home Economics.
- 2- Ashraf Yousef Al-Bardakhini - Aziza Ahmed Al-Aqli (2015 AD) "Machines and Techniques for Manufacturing Clothes" First Edition - Al-Rashed Library.
- 3- The National Research Center (2016 AD) - Egypt.
- 4- The official website of North Sinai Governorate - North Sinai Governorate Centers, May 2016.
- 5- Amira Hassan Abdel-Aal (2011 AD) "Management of breadwinner women in family crises and their relationship to achievement motivation" Ph.D. Thesis - Ain Shams University - College of Education.
- 6- Trevor MorTOW (2001) "Training and Development in the Ready Made Garments Industry in Ireland."
- 7 - Tasnim Yahya Al-Sayed (2014 AD) "Effectiveness of an educational unit in machinery and equipment for students, clothing and textile department", an unpublished master's thesis - Faculty of Home Economics - Helwan University.
- 8- Hassan Muhammad Awad (1982 AD) "Geography of the Sinai Peninsula" within the Encyclopedia of the Sinai Peninsula - The Egyptian General Book Authority - Cairo.
- 9- Hassan Shehata - Zainab Al-Najjar, "Glossary of Educational and Psychological Terms" (2003 AD) - The Egyptian Lebanese House - Cairo.
- 10- Rania Mustafa Kamel (2011 AD) "The Effectiveness of a Training Program for the Production of Women's Outerwear for Serving Small Industries" published research - Home Economics Journal - Issue -27.
- 11- Message of the National Council for Women (2012 AD) "The She and the President Conference The Future of Egyptian Women in Revolution Egypt" - Egypt.
- 12- Zainab Abdel Hafeez Farghaly (2006 AD), "The External Measurement," First Edition - House of Arab Thought - Cairo.

- 13- Samia Abdel-Muttalib (2010 AD) “Effectiveness of a proposed curriculum for ready-made clothes in the professional preparatory stage in schools of intellectual education” Unpublished development message - College of Education - Ain Shams University.
- 14- Sherif Abdel-Gawad Muhammad (2003 AD) entitled "The Effectiveness of Using Computers in Teaching Sewing Techniques", Ph.D. Thesis - Helwan University - Faculty of Home Economics.
- 15- Sabri Ahmed Al-Adl (2004 AD) “Sinai in the modern history”, National Library and Archives - Cairo.
- 16- Azza Abdel-Alim Sarhan (2007 AD) “Development of manual skills in implementing children's clothing techniques using computers for female students of home economics at the Faculty of Specific Education” PhD thesis - Mansoura University - Faculty of Specific Education in Damietta.
- 17- Ghada Ahmed Abdel Mawgoud (2014 AD) entitled "The Role of Education in the Social and Economic Empowerment of Women in Upper Egypt", MA Thesis - Sohag University.
- 18- Fouad Abu Hatab - Amal Sadiq (2010 AD), Pure Methods and Methods of Statistical Analysis in Psychological, Educational and Social Sciences, Anglo-Egyptian Library - Cairo.
- 19- Ross Lawrence Peck Ford (2000 AD) entitled "The Role of Training in Human Resource Development."
- 20- Laila Muhammad Nabil (2004 AD) “Effectiveness of a training program to impart some dress-making skills for female students of the third popular educational division,” Master Thesis - Helwan University - Faculty of Home Economics.
- 21- Majdi Al-Din Al-Fayrouzbadi (2001 AD) “Al-Muheet Al Muheet”, Sakhr Site for Arabic Dictionaries.
- 22- Muhammad Al-Sharif (2017 AD) “Al-Masry Al-Youm magazine, Wednesday - 6/29
- 23- Nahid Qutb Hawass (2012) “Effectiveness of an educational program using AutoCAD for some issues of housing design and installation. Students, Department of Home Management,” Master Thesis - Helwan University - College of Home Economics.
- 24- Hoda Abdul Aziz Muhammad (2003 AD) “The effectiveness of a program in designing children's clothing to develop students’ attitudes and basic skills among students of the Garment and Textile Department - Master Thesis - Helwan University - College of Home Economics.
- 25- Hind Muhammad Ibrahim (2007 AD) “Evaluating Productive Families Programs for Developing the Productive Capacity of Women to Cope with Family Pressures” Master Thesis - Helwan University, Faculty of Home Economics.

- 26- P.V. V.Satya Marayana V,G Krishan: "Curriculum Development and .Management",Discover publishing House;2004
- 27- Alison Beazley Computer Aided Pattern Design Product Development, Terry Bond: , Blackwell ,Publishing.2003 .
- 28- Lines & Threa: Pakistan Copyright: Ministry of Industries - Government of Pakistan - . 1977.
- 29- Mary Wolfe : pattern and Grading by using Computer Program masters Columbia University New York, 1998 .
- 30- Nystrom Paul : Economics of Fashion - The Ronold Press Co - New York – 1928.
- 31- Ozcan Tuzun : Historical Costumes of Turkish Women First edition - Colyright Middle East Videa Corp Istanbul – 1986.
- 32- WOMEN-HEADED HOUSEHOLDS: the ignored factor in development Mayra Buvinic, Nadia H. Youssef

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