



Need of Technological up gradation in garment industries of Indore Division with respect to modernization.

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Abstract

The aim of the present study is to examine that need of technological up gradation is independently responsible for the lack of modernization of Garment Industries in Indore Division. Employing the random sampling technique, finally 200 respondents of different garment industries of Indore Division of Madhya Pradesh state to serve as subject in the present study. For the statistical analysis Chi-square test was applied to judge the hypothesis. As per the statistical analysis findings are Significant which means that null hypothesis is rejected.

Key Words: Garment industry, Modernization, Technological up gradation

Introduction

The garment industry is characterized by constant change. What is in trend today will be passé tomorrow. The apparel and garment industry occupies pivotal role in growth and development in India. It is one of the earliest industries to start in the country. It caters to a basic requirement of people and is for maintaining the sustained growth for improved quality of life. The sector is a self-reliant industry with value-addition being done at every stage of processing from the production of raw materials to the delivery of end products. The sector has been a major contributor to the nations' economy.

Over the last few years, this industry has been witnessing a never-before boom. The rapid increase in job opportunities and expanding earning capabilities has inculcated a new mind set among Indian consumers.

Technology plays a very important role in following areas of Garment Industry :

Season collection planning	Garment style management
Sales order management	Material requirement planning

Material procurement management	Inventory management
Production management	Quality management
Exports & quota management	

Manufacturers of Indore division have not yet realized the changing tastes of the consumer and still clinging on to their age old formulas. Contented with their small quantity production. Most manufacturers do not keen to go for expansion/modernization further manufacturers are generally an uneducated lot, who are just carrying on a family tradition. They have no in-depth knowledge of the technologies, modern machines, innovations etc. Internationally latest machinery for production of readymade garments has arrived in the garment manufacturing scene. Use of latest machinery, software & service facility which are manufactured in Japan, Taiwan, China, Germany etc. are not being easily available at Indore and the prices are very high because of this Garment manufacturers are facing problem in modernization.



The garment industry of Indore division is concern primarily consisting with traditional technology and inadequate quality systems. It requires cost-effective technology up gradation in pre-sewing, sewing and post-sewing processes to increase productivity, reduce costs, adapt quickly to the demand cycle and improve quality. The industry is in the process of modernization to face the global challenges in the export-front and stiff competition in the local market due to liberalized imports.

Literature Review

Aleksandr, Vladislav, Elena, Alena & Natalya (2015) :The article shows that implementation of innovative technologies in cooperative enterprises is complicated by the fact that the innovative strategy of an enterprise would not be supported by its partners. As a result, even a generally profitable innovative project may remain unrealized because the partners will not take risks of investing into specific assets. The article comes up with recommendations focusing on enhancement of the market incentives for participation of independent small and medium-sized enterprises in innovative projects of large high-tech corporations.

Santosh Das (2012) : In his diagnostics study report India's ready-to-wear garment industry is facing tough competition from China, which has emerged as an important sourcing base for international brands and Retailers in the Asian regions because of its comparative cheaper costs.

Puneet, Manika, Arushi, Rachit & Akanksha (2010) : In their report shows that how various movements in the economy affect the garment industry. An in depth analysis for implications of various govt. policies on garment industry has also been done. The study work also highlights how important is the garment industry to the growth of our economy. The study also gives insights about the technological up gradation and importance of technology in garment industry.

Harminder & Satnam (2009) : In their study on "Automation and CAD/CAM Adoption in garment Industry. The results revealed that for every stages of garment manufacturing modernized technology is available.

As evident from most of the literature there are pros & cons of up gradation of technology. Most of the studies lend to concentrate on why garment industries having problem in modernization due to lack of up gradated technology. These studies reveal that there are following reasons for their inhibitions for not embracing modern technology. There is cheap labour available in the city and the laborers employed are not skilled in the art of using modern technology of garment manufacturing, cost of modernization is high & availability of machinery, software & service facility is also a problem for manufacturers.

Statement of the Problem

Very few studies highlight the need of need of technology up gradation in garment industries. Problem of modernization would not be complete without clarifying this factor which may have an important role in lack of modernization in garment industries of Indore division against this backdrop research has been undertaken:

Objective of the Study

To study the technological up gradation of garment industries of Indore Division with respect to modernization.

Hypothesis of the Study

H₀. There is no need of up gradation in the existing Technology of Garment Industries with respect to Modernization in Indore Division.

Methodology

The normality survey method is adopted for the study.

Population & Sample

This study was conducted in readymade garment industries of Indore Division of M.P. Random sampling technique was used to selection of sample. The total sample comprised of 200 respondents (Through Structured questionnaire-55, Through

Structured Schedule-110, Through unstructured interview -35)

Sampling

Random sampling used to select sample.

Nature of the Data

Qualitative data was used in this study.

Tool for the data collection:

- Structured questionnaire
- Structured Schedule
- Unstructured interview

Statistical Analysis:

Chi-square test was applied as statistical test to judge the hypothesis.

Delimitation of the Study:

Garment Industries of the Indore Division are selected.

Results & Discussion

The above hypothesis was framed to know that whether there is a need of up gradation in the existing Technology of the garment industry for Modernization.

As per Table 1 chi-square test was applied as statistical test to judge the above hypothesis and the results for the same are displayed below.

Table 1

S. No.	Title of the table	Result	Interpretation	Inference
1.	Modernization of Industry can be Helpful in Higher Production and Performance can be Improved with Modern Technology	$\chi^2 (1, 1, N = 200) = 11.377, p < 0.05 (p = 0.001)$	Findings are Significant	H_0 is Rejected

Hence, there are sufficient evidences to conclude that null hypothesis is rejected; it means there is a need of up gradation in the technology with regard to Modernization of Garment Industry.

References

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