

Information Technology dominates Ergonomics - Great Threat in Power loom industry

Dr.Sasikala M S,

Project Director – IMPRESS ICSSR (MRP), Department of Commerce [PG], Acharya
Institute of Graduate Studies, Bangalore
drsasikalams85@gmail.com

Venkatesan D

Research Assistant-IMPRESS ICSSR (MRP), Acharya Institute of Graduate Studies,
Bangalore
Venkatkumar0306@gmail.com

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ABSTRACT:

Textile plays a vital role to maintain one's dignity. Textile sector is a broad division which has sub divisions such as handloom, power loom, knitting etc., Whatever might be the divisions, without human force, no quality output can be withdrawn. Determination of Quality will be achieved when some elements are satisfied namely trend, design, color, pattern etc. But this scenario gradually change due to rapid increase in IT which is to be quoted as Artificial Intelligence. AI reduces manual effort into auto effort which captures almost all sectoral business where it reduces error and achieves quality. These criteria makes all sectoral business professionals to be selfish to generate more revenue through this IT developments. This situation creates threat in the mind of weavers working in Power loom industry. This article focusses on identifying the ways of finding solution for this threat and protect weavers and give exposure for their secured life at present and also in future

Keywords: weavers, power loom industry, sustainability, Information technology

1. INTRODUCTION

The power loom industry plays significant role to meet the needs and requirements of clothing industry and also paves the way to generate employment opportunity which increasing now gradually. There are several challenges faced by the weavers especially working in power loom namely Commitment, Strategic planning, Focus, Process efficiency. All these challenges to be adopted by Power loom weavers with no excuse. Including these challenges, there are few issues to be added on to the weaver's job safety and security in decentralised power loom domain which are listed as follows:

- Uncertain Power supply
- Technological obsolescence
- Lack of awareness regarding quality & Credit facility
- Globalization of Textile Products
- Poor Marketability

Among all the listed issue in the above, Technology plays massive role which removes the concept of Ergonomics which creates threat in the mindset of power loom weavers and if the

influence to artificial intelligence comes into existence means ultimately it will raise hectic issue of weaver's sustainability. As a traditional practice of Power loom weavers, they produce cloth in plain or tubular form using power loom machine.

2. REVIEW OF LITERATURE

B. S. Jadhav , D. S. Jadhav B. B. Patil (2019), The Ichalkaranji has a great heritage in the ground of textile industry in the Maharashtra state of India. Power looms, which is the most important factor as per deliberation of Ichalkaranji financial side. In the recent past, the power loom industry has faced a crisis. The most affected factor in the crisis is power loomed workers, as they face many problems. This study is an attempt to understand the problems of workers, which are influencing the power loom crisis in the textile industry of Ichalkaranji. The study also proposes a solution, which may assist power loom workers and owners for improving the economic conditions. This study also considers social as well as economic aspects of power loom workers.

SOMNATH KOLGIRI (2018), This article strongly stressed on the Policy need to implement health safety program successfully for the welfare of the power loom weavers. Hence this awareness gives the importance of ergonomics principles and abide by current labour laws to improve their standard of living by adopting the ergonomic factor as a strong consideration.

V.Santhosh & Dr. K. Poorna (2014), The power loom sector has wide issues in many areas of concern such as the cost problem, weaving problem, no proper government support, etc., Many weavers have lost their sources of income and business due to shortage of power supply. There is another important situation where often strikes take place and affect the power loom sector. It is also identified by the researcher that Many weavers have lost their sources of income and business due to shortage of power supply. There is also another important situation where often strikes take place and affect the power loom sector. So, the government helps for the growth of power loom sector and increase the production by providing frequent power supply Also it is found that unit cost is highly affected in this business

Uttam Paul (2013), this study focussed on developing socio economic status of weavers engaged in small scale power loom sector located at west Bengal. In this article, they highlighted about the nature of power loom industries. To validate this, researcher selected 500 weavers and opted for both primary as well as secondary data. Data analysis had been done using statistical tools where it is found that majority of the weavers are engaged in power loom field are illiterate and completely unaware of the government schemes implemented for their welfare.

Arif Anjum and D. V. Thakor (2011), this research paper focused on the employment opportunities for power loom weavers in decentralised manner. Also, in the selected region, handloom sector plays an important role than Power loom. Hence the researcher connoted about the scope of installing power loom in Maharashtra district. There were complete government assistance and enormous support for the power loom weavers to work in power loom, also awareness program had been conducted to the weavers where many people in the selected target area got employment opportunity.

3. RESEARCH GAP

Majority of the researchers focussed on power loom issues such as employment issue, lack of awareness about government schemes, electricity problems, financial problems, human factor engineering. But influence of Information technology which is prime threat is not focussed by the previous researchers. Hence, researcher took attempt to collect the opine dialect from Power loom weavers

4. OBJECTIVES

- To examine the power loom weavers and owners about their economic status
- To describe the phenomena of ergonomics into power loom sector
- To sketch out the model to release the threat raised due to technological development

5. NEED OF THE STUDY

- As today, whole universe is affected by corona virus many people die.
- To prevent ourselves from this great disease, clothing is must
- Hand made clothing will not serve purpose for long lasting where common public has to purchase clothing which is to protect one selves from COVID 19
- Researcher highlighted only CORONA because it is the talk of universe. But there are many other elements which affects power loom industry especially technology. Weavers sacrifice their lives for weaving for others but their life is utterly questionable to the community
- Hence researcher opines that focussing on this area of information technology which serves threat and to find solution for this issue is an essential one

6. RESEARCH MODEL

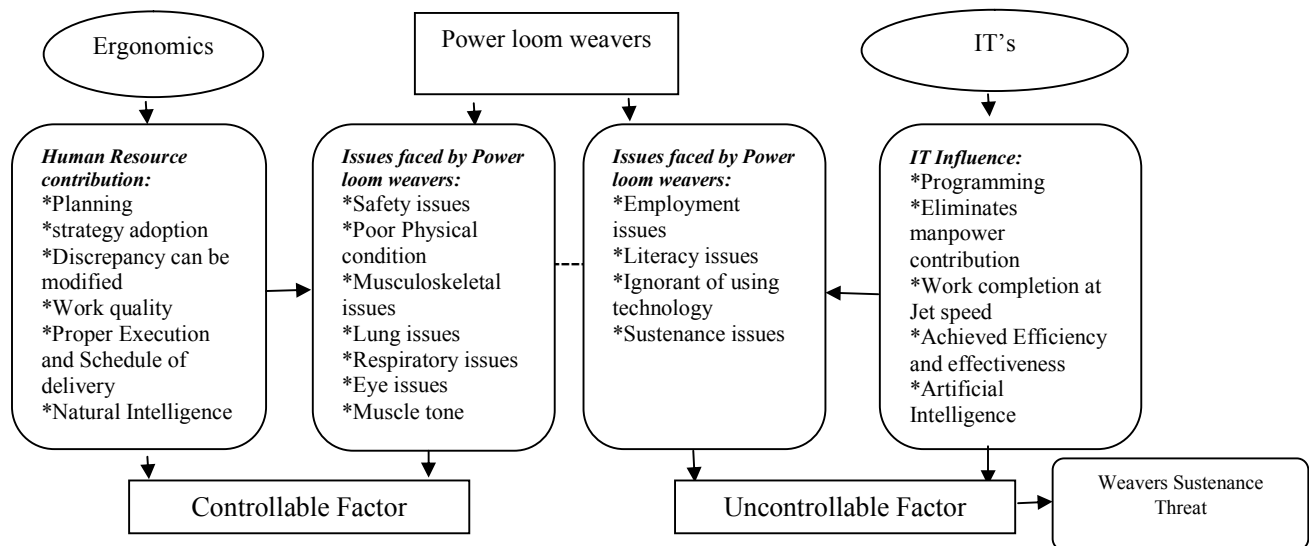


Fig: Conceptual Model of Weavers community threat – Influence of Information technology

Based on the above model drafted by the researcher, it is witnessed that there are four elements which are as follows:

- Human Resource Contribution
- Issues Faced by Power loom weavers under the contribution of weavers
- Also issues faced by power loom weavers due to influence of Information technology
- Influence of Information technology

All these above-mentioned elements which are categorised under 3 wings namely Ergonomics, Power loom weavers and Information technology.

In the above Model, both benefits of utilising human resources and Information technology in power loom industries are highlighted. Also here is to be noticeable that the risk which are highlighted are quite dangerous where it spreads threat to power loom weavers. This threat tunes them to think of sustainability in power loom industry. Researcher also identifies that some elements are controllable and some are uncontrollable. Here with this note, delegates who are involved in power loom industry protect and prevent human resource.

7. CONCLUSION:

From this study it is observed that, researcher identified feasible solution for mitigating the issues faced by work force. But it is difficult that information technology dominates means issues will arise in terms of regular wages to the workers, use of non-toxic materials and processes, improved ventilation and lighting, regular medical check ups, adequate rest periods, and job rotation. Researcher made this research by having primary hope to enrich the lives of power loom workers. It should be kept in mind that human forces can adopt technology for their betterment but the reverse condition should be avoided which pushes our prime occupation backward.

REFERENCES

1. Arif Anjum and D. V. Thakor, An analytical study of the functioning and the problems of the power loom industry in Maharashtra with special reference to Malegon District, Nashik, International Journal of Trade, Economics and Finance.,2(3), 194-199 (2011)
2. B. S. Jadhav, D. S. Jadhav B. B. Patil, An analytical study of the Impact of power looms crisis in Ichalkaranji, MERC Global's International Journal of Management, ISSN 2321-7278 (Print) and ISSN 2321-7286 (Online) 7(1), 44-48 (2019)
3. Somnath Kolgiri, Implementing Sustainable Ergonomics for Power-loom Textile workers, International Journal of Pharmacy and Pharmaceutical sciences, 10(6), 08-112, (2018)
4. Uttam Paul, A study of socio-economic status of workers in the unorganized Power loom sector of West Bengal, Global Advanced Research Journal of Agricultural Science, 2(2), 65-73 (2013)
5. V.Santhosh & Dr. K. Poorna (2014), A study on Electricity problem in Power loom Units (Special reference with Coimbatore District), PARIPEX, Indian Journal of Research, 3(11), 30-31 (2014)