Journal Publication of International Research for Engineering and Management (JOIREM)
Volume: 04 Issue: 5 | May-2026
ISSN (O) 3107-6696

A Study on Production and Quality Control at Sriwin Electric Company

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Abstract - This study focuses on analyzing the production process and quality control practices followed at Sriwin Electric Company. The main objective of the study is to understand how the company maintains product quality, manages production activities, and ensures customer satisfaction in a competitive industrial environment.

The study was conducted during the internship period through direct observation, employee interaction, and analysis of company operations. Information was collected from various departments including Production, Quality Control, Maintenance, and Administration. The research mainly examined workflow management, production efficiency, defect control, safety procedures, and coordination between departments.

The findings revealed that Sriwin Electric Company maintains effective quality standards and follows systematic production procedures to ensure product reliability. The company has skilled employees, strong teamwork, and good customer support services. However, certain challenges such as high production costs, limited automation, and dependency on manual operations were identified during the study.

The study concludes that implementing modern production technologies, increasing automation, and improving management systems can enhance productivity and operational efficiency. Overall, Sriwin Electric Company demonstrates strong potential for future industrial growth through continuous improvement and technological advancement.

KEYWORDS: Organizational Study, Electrical Industry, Production Process, Quality Control, SWOT Analysis, Employee Coordination, Industrial Management

INTRODUCTION

Organizational study plays an important role in understanding how a company functions internally. It helps students and researchers analyze the structure, processes, and management activities of an organization. Through organizational studies, theoretical knowledge can be connected with practical industrial experience.

Sriwin Electric Company is a growing electrical manufacturing and service organization involved in electrical equipment production, maintenance services, and industrial support activities. The company focuses on delivering quality products and reliable services to customers across different industrial sectors.

During the internship period, practical exposure was gained regarding the company's organizational structure, employee management, production system, and quality assurance process. The study also helped in understanding departmental coordination and operational challenges.

This report presents detailed information about the organizational structure, departmental activities, strengths, weaknesses, opportunities, threats, and recommendations for improving the company's overall performance.

OBJECTIVES OF THE STUDY:

1. To understand the organizational structure of Sriwin Electric Company.
2. To study the functions of different departments.
3. To analyze the production and operational process.
4. To evaluate the quality control measures followed by the company.
5. To identify the strengths, weaknesses, opportunities, and threats through SWOT analysis.
6. To understand employee coordination and workflow management.
7. To provide suggestions for improving productivity and operational efficiency.

STATEMENT OF THE PROBLEM:

Sriwin Electric Company operates in a highly competitive industrial environment where maintaining quality, productivity, and customer satisfaction is essential. The company faces several operational challenges such as increasing production costs, dependency on manual work, limited automation, and growing competition from larger companies.

Additionally, maintaining effective communication between departments and ensuring smooth workflow management are important challenges for the organization. Therefore, this study aims to analyze the organizational performance and identify areas where improvements can be implemented.

SCOPE OF THE STUDY

- The study focuses on the organizational structure and operational activities of Sriwin Electric Company.
- It covers departmental functions such as Production, Quality Control, HR, Maintenance, and Sales.
- The study helps in understanding industrial workflow and employee coordination.
- It provides practical exposure to industrial management and operational systems.
- The findings and suggestions may help the company improve productivity and performance.
- The report can also be useful for students and researchers studying organizational management.

REVIEW OF LITERATURE

Organizational studies are essential for understanding business operations and improving management systems. According to Robbins and Coulter (2018), organizational structure determines how responsibilities are distributed and supervised within a company.

Effective communication between departments improves operational performance and product quality. Chen and Huang (2019) observed that proper coordination between production and quality departments significantly reduces defects and improves productivity.

Kumar and Singh (2020) explained that manufacturing industries often face challenges related to skilled labor, operational cost, and technology adaptation. They suggested that employee training and automation are important for long-term industrial growth.

Hill and Westbrook (1997) stated that SWOT analysis is an effective strategic tool for identifying organizational strengths and weaknesses while understanding market opportunities and threats.

Recent studies also show that implementing ERP systems and digital management tools can improve organizational efficiency, inventory management, and customer relationship management.

RESEARCH METHODOLOGY

The study was conducted using both primary and secondary data collection methods.

Primary Data

Primary data was collected through:

- Direct observation during the internship period.
- Interaction with employees and supervisors.
- Informal discussions with department staff.
- Workplace observation and workflow analysis.

Secondary Data

Secondary data was collected from:

- Company records and reports.
- Internal documents.
- Books, journals, and research articles.
- Internet sources related to organizational management.

Departments Covered

- Production Department
- Quality Control Department
- Human Resource Department
- Maintenance Department
- Sales & Marketing Department

Research Tools Used

1. Observation Method
2. Employee Interaction
3. SWOT Analysis
4. Data Interpretation Techniques

DATA ANALYSIS AND INTERPRETATION

Table 1: Time Spent by Department

Interretation

Department	Percentage
Production	45%
Quality Control	30%
Design & Engineering	10%
Maintenance	8%
Sales & Marketing	5%
HR & Administration	2%

The majority of the work activities are concentrated in production and quality control departments. This indicates that the company gives strong importance to manufacturing efficiency and product quality.

Table 2: Quality Control Results

Interpretation

Components Tested	Passed	Failed
100	94	6

The quality testing process shows a 94% success rate, indicating effective quality control procedures within the company. Most failures were minor issues that were corrected during rework processes.

SWOT ANALYSIS:

Strengths

1. Strong technical knowledge.
2. Skilled workforce.
3. Good customer relationship.
4. Quality-focused production system.
5. Effective teamwork and coordination.

Weaknesses

- Limited automation.
- High production costs.
- Dependence on manual labor.
- Limited digital marketing activities.

Opportunities

- Expansion into new industrial markets.
- Adoption of smart technologies.
- Increased online business promotion.
- Export opportunities.

Threats

- High industrial competition.
- Rising material costs.
- Rapid technological changes.
- Skilled labor shortages.

FINDINGS

- The company maintains strong quality standards.
- Production and quality departments are highly active.
- Employee coordination is satisfactory.
- Production costs are relatively high.
- Manual work is still dominant in many processes.
- Customer satisfaction levels are good.
- The company has growth opportunities through automation and digital marketing.
- Lack of advanced ERP systems affects operational efficiency.

SUGGESTIONS

- Implement advanced ERP software for better inventory and workflow management.
- Increase automation in production activities.
- Conduct regular employee training programs.
- Improve digital marketing and online presence.
- Adopt modern quality management technologies.
- Expand business operations into new markets.
- Improve internal communication systems.
- Strengthen maintenance and safety procedures.

LIMITATIONS OF THE STUDY

1. The study was limited to one company only.
2. The internship duration was limited.
3. Some company information was confidential.
4. Financial data access was restricted.
5. Findings are based on available observations and interactions.
6. Time constraints limited detailed analysis.

CONCLUSION

The organizational study conducted at Sriwin Electric Company provided valuable practical knowledge regarding industrial management and operational systems. The company demonstrates strong technical capability, employee coordination, and quality-focused practices.

Although the organization faces challenges such as high production costs and limited automation, there are significant opportunities for future growth through technological improvements and effective management systems.

The study helped bridge the gap between academic learning and industrial practice. It also provided useful insights into organizational behavior, workflow management, and industrial operations.

REFERENCES

Robbins, S. P., & Coulter, M. (2018). Management (14th Edition). Pearson Education.

Hill, T., & Westbrook, R. (1997). SWOT Analysis: It's Time for a Product Recall. Long Range Planning.

Chen, L., & Huang, Y. (2019). Organizational Coordination in Manufacturing Industries.

Kumar, R., & Singh, P. (2020). Challenges in Small Scale Manufacturing Industries.

Mehta, S., Rao, K., & Sharma, D. (2021). Automation and Productivity in Engineering Industries.

Company Internal Records and Operational Documents