

INTERNSHIP AT
RG SPINNING MILLS PRIVATE LIMITED

SUBMITTED BY

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STUDENT DECLARATION

I, **Nidanyaa.T**, of Grade 12, The Indian Public School, Erode, hereby declare that the field training done in **R.G. Spinning Mills Pvt. Limited, Sankiri** is a record of original work done by me under the supervision and guidance of **Mr.S.Divakar, Executive Director** and the field training has not found the basis for the award of any degree/diploma or similar title to any candidate of any university.

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

SIGNATURE OF THE SUPERVISOR

SIGNATURE OF THE EXECUTIVE DIRECTOR

ACKNOWLEDGEMENT

I take this opportunity to acknowledge with great pleasure, deep satisfaction and gratitude, the contribution of many individuals in the successful completion of this field training report.

I express my profound gratitude to the **TIPSE Management** for giving me the opportunity to undergo this internship training.

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I express my sincere thanks to **Mr.S.Divakar**, Executive Director, R.G.Spinning Mills Pvt. Limited, for his guidance and support throughout the course.

I am thankful to the factory manager, **Mr.Muthu, B.A, M.A (Public Administration)** for his guidance and suggestions throughout the course of the internship.

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CHAPTERS

I. INTRODUCTION

R.G. SPINNING MILLS PRIVATE LIMITED was established in the year 2005. The company houses 18000 spindles with a production average of 300 tons of yarn per month. They supply these yarns throughout India, for the shirting ,suiting and knitwear companies. The main raw materials suppliers are **RELIANCE INDUSTRIES LTD** and **GRASIM INDUSTRIES**. RG Spinning Mills provides only the best to ensure the quality of their products.

R.G. SPINNING MILLS PRIVATE LIMITED creates a one to one relationship with the buyers. The company has been providing qualitative service by specializing in the manufacturing of yarns of various blends in,

- PC (Polyester-Cotton)
- CP (Cotton-Polyester)
- PV (Polyester- Viscose)

ensuring quality before pricing and promoting the needs of the customers.

II.OBJECTIVES

The objectives of my internship at R.G. Spinning Mills are to

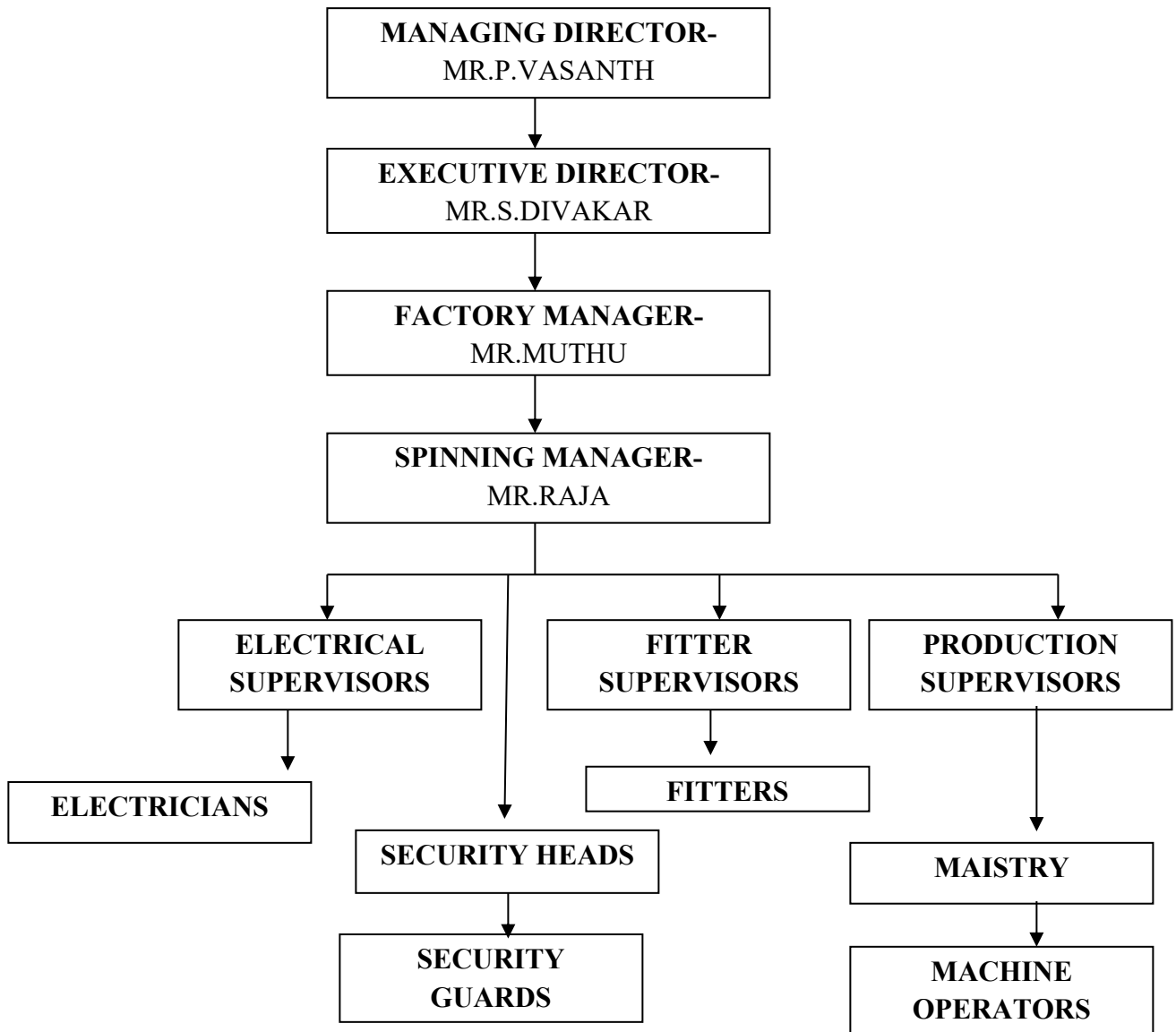
- get exposed to the job experience and the responsibilities associated with them
- gain contacts, meet people with experience and be aware of the latest trends in the industry
- apply the knowledge gained from school through academic subjects and life skills into the work
- get to know the functioning of the company, the procedures followed and the way issues are solved
- analyze the competitive strengths and the weaknesses of the company, and suggest some ways for the development
- observe the work done by the workforce of the organization

III. COMPANY PROFILE

I. VISION/MISSION

To enhance company turnover improving production capacity through production of quality yarn, while hand-in-hand protecting nature, by utilizing sustainable modes of energy like wind and solar energy. The company strives to have consistent and better quality.

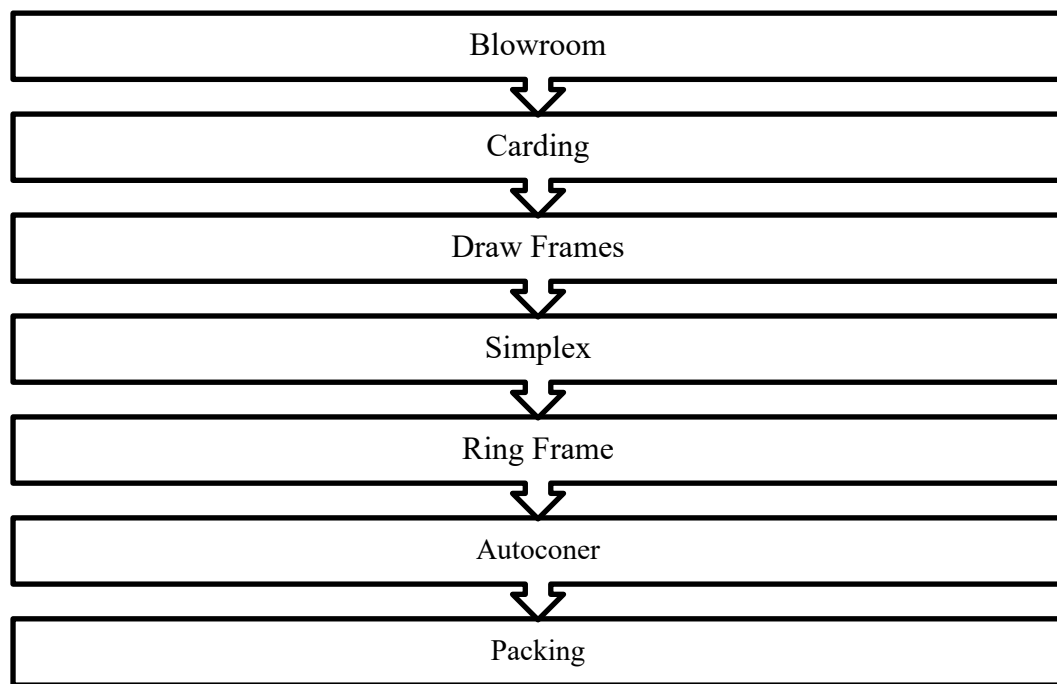
II. ORGANISATIONAL STRUCTURE



***III. PRODUCT,SERVICE AND PROCESS**

The company been specializing in the manufacturing of yarns of various blends in,

- PC (Polyester-Cotton)
- CP (Cotton-Polyester)
- PV (Polyester- Viscose)



The spinning mill process is divided into three sections, namely,

- Preparatory- Blow room, Carding, Draw frames and Simplex
- Spinning- Ring Frames
- Winding - Auto Coner

Blow room:

The objective of blow room is opening and cleaning of fibres fed through the machine. It is also done for homogeneous blending of different fibres like *Polyester with Cotton, Polyester with Viscose* etc., and converting into to Lap form to facilitate the next process **Carding**.

Carding:

The objective of Carding is to individualize the fibres fed through it in the form of Lap, removing dirt and dust, removing a portion of short length fibres present and converting in to Sliver and storing in plastic cylindrical cans in fixed length of meters to facilitate the next process **Drawing in Draw frame machines**.

Draw Frames:

The objective of Drawing process is to make the uneven slivers generated in carding and making it even by feeding 6 or 8 slivers and taking out as single sliver with uniform grams/meter or evenness by drafting & auto leveling process and again stored in plastic cans in the form of coils in required meter age length to facilitate the next process **Simplex or Roving**.

Simplex or Roving:

Objective of Simplex or Roving is to convert the Draw frame sliver into fine Roving by means of Drafting system and winding the roving with mild twist on to the plastic bobbins with required package weight and facilitating easy transport in trolley of automatic bobbin transport system to **Ring frame or Spinning frames**.

Ring Frame

Frame-Object of ring frame is to convert Roving into yarn of required fineness which we call as Count in Numbers like 10s,20s,30s etc., by means of Drafting system and imparting required twist by ring travellers which impart strength to the

yarn and winding on to plastic tubes or ring tubes as a package called ring cops which facilitates transport and feeding into **Autoconer** machines.

Autoconer:

Objective of Autoconer is to wind small length, 50 to 60 grams of yarn content of ring cops on to paper or plastic cones or cheeses of fixed weight about 1.900 kg or fixed length more than a lakh metre as commercial package for sale or to facilitate further process like twisting in Ring doubling or TFO machine. The ring cops fed to the magazine is automatically selected one by one once it exhausted. Yarn from each cops selected is automatically spliced with yarn end on cone after removing the faults like Slubs, Thin & Thick places, neps, contamination by means of Electronic yarn clearers through which the yarn is passed. The yarn wound on Cone or cheese is defect free according to the Customer specification.

Production:

Production depends of parameters of the process, speeds, age of machines and condition and capacity of machines. Below said production from latest machines on market which can produce the following quantity per day per machine.

BLOWROOM: 10000 TO 15000 KGS

CARDING: 350 KGS TO 1800 KG

DRAWING : 3000 TO 4000 KGS

SIMPLEX: 4000 KGS

SPINNING: 100 TO 1800 KGS

AUTOCONER: 4000 KGS (DEPENDS ON COUNT AND WINDING SPEED OF MACHINE.)

IV.FUNCTIONS/DEPARTMENTS OF THE ORGANIZATION

1. Purchase Department

Looks after the purchase of raw materials, spares and packing materials.

2. Finance Department

Controls the accounts and manages the funds of the company

3. Production Department

Controls processes and the product manufacturing

4. Sales Department

Controls the sales of the final product manufactured matching with the
Performer Invoice

5. Human Resource Department

Provides services like accommodation, food and transport for the workforce.

6. Transport Department

Looks after the transportation of the end product and the workforce.

V.STAKEHOLDERS

(THIRD PARTIES INVOLVED WITH THE ORGANIZATION)

- Directors
- Creditors
- Suppliers
- Employees
- Government agencies

VI. MARKET SIZE

The market size of the organization maybe about 0.25% of total population of Tirupur. They also supply their yarns to different parts of India, namely Maharashtra, Gujarat, Rajasthan, New Delhi etc.,

VII. COMPETITORS

There are plenty of other spinning mills in the state producing similar type of products. Some of the prominent competitors are,

- Kumaragiri Spintex Pvt. Limited, Veppadai
- Magnum Spinners Pvt. Limited, Sankiri
- Pallavaa Textiles Pvt. Limited, Veppadai
- Maharaja Sathyam, Erode
- Chenduran , Dindigul
- Lakshmi Saraswathi , Tiruvannamalai

VIII. INVESTMENTS

Infrastructure:

- Well built and maintained infrastructural setup which is spread across 19 acres.
- Presently, the manufacturing unit has installed capacity of 18000 spindles.

Human Resource:

- The company has a count of 300 employees contributing to its operations.

- The company offers employees benefits of residence and subsidized food.

Wind Energy:

- The company has invested in installing windmills.

The company also acquires loans from banks, on interest basis, which they obtain based on merit of their performance and pledging their property as collateral security. These funds are used to install new machineries, for purchase of raw materials and working capital.

IV. JOB PROFILE

I. DESCRIPTION AND NATURE OF JOB

Under the Production Department, under the guidance of Mr.Muthu, I have taken part in checking the production data and comparing them with the targeted production.

Under the Sales Department, under the guidance of Mr.Madhiabhagan, I have taken part in checking Purchase Orders and Sales Invoices.

It involves detailed explanation on the working of the company, the work done in each department and analyze the processes.

II. SPECIFIC RESPONSIBILITIES OF THE JOB

- Entering the production of the Winding Section
- Comparing the Purchase Orders with Dispatch Invoice
- Checking Production Data on a daily basis and comparing it with the targeted production.

III. JOB PERFORMANCE

She was able to grasp the information given to her and she had good rapport with the other staff members. She also suggested a few things the company could change for a proper procedure.

V. SWOT ANALYSIS

STRENGTHS:

- Housing facilities ensures employees are on time
- Lab ensures best quality yarn
- Slow and steady growth

WEAKNESSES:

- Shortage of labour in the departments
- Aging machines and frequent count and blend changes
- Absence of ERP
- Funding
- Infrequent power cuts

OPPURTUNITIES:

- Supplying to end customers and top brands like Jockey, H&M etc.,
- Implementing the 5S method
- Huge market for the PC yarns
- Introduction of new varieties of yarn
-

THREATS:

- Competitors with latest technologies
- Expensive and costly machines
- High maintenance cost

VI. CORPORATE SOCIAL RESPONSIBILITY

- 50% of the power required is utilised from wind energy
- Eco friendly environment is created by planting trees all over the grounds
- Educating in housed labours (Tally, stitching) and they also actively take part in sports.

VII. OBSERVATION, CONCLUSION AND SUGGESTION

OBSERVATION:

- The work done by the workforce in different sections of the company namely, the lab, office, spinning, winding etc.,
- The procedures followed on a daily basis for security, transport and other necessary purposes.
- The colour-coding used so as to not mix different blends of yarn, separating the canisters, the cones and the transporting trolleys.
- The labours are well trained to prevent the contamination of the yarns by foreign fibres. They do so by wearing head caps and overcoats and the lab also checks the samples frequently.

CONCLUSION:

- The company is a work in progress with modernization plans in the discussion.
- The company has a good utilization and efficiency percentage despite their shortcomings.

SUGGESTION:

- Upgrading to the latest technologies would help speed up the process and reduce the labour required. For instance, installing the auto-rough roving system would help reduce the number of labour required per each machine.

VIII. TAKE A WAYS FROM THE INTERNSHIP & FUTURE ENTREPRENEURSHIP IDEAS

- The internship has helped me in building connections to people involved in the spinning industry , by observing the routine procedures and the work done by the workforce of the company
- It has given me an insight into the textile industry, the problems the industry is facing, the various opportunities the industry holds and the heavy competition it faces from all over the globe.
- It has given me the experience of working in a office, and also made me understand the vitality of communication, behavior and punctuality in a workplace
- It gave me the opportunity to use the knowledge I obtained from school, adding with it the information given to me by the company, to produce results, analyze the situations and also give suggestions.
- It also helped in narrowing down my interested career choices, by giving me a small insight into a career in this industry.
- It has helped me acquire new skills over the course of the internship period.
- It has helped me understand the expectations of a employee as well as a employer from each other, and that their relationship is key to the success of the company.

IX. APPENDIX

I. DAILY LOG

| DAY | TASK GIVEN | TASK COMPLETION STATUS | OBSERVATION | SIGN OF THE IMMEDIATE SUPERVISOR |
|-----|--|------------------------|--|----------------------------------|
| 1 | Introduction to the company, guided through the work to be done. | Completed | It was a bit difficult to grasp the technical terms used. | |
| 2 | Cross-Check Bills, learn the layout of the mill. | Completed | I was able to do so without a lot of difficulty. | |
| 3 | Learn the process of the mill, cross- check bills | Not completed | The processes were bit confusing but the staffs were patient and they helped me. | |
| 4 | Visit to Cheran Spinners Pvt. limited, observe the procedures. | Completed | Similarities and comparison between the two mills | |
| 5 | Check production data with the target, learn the process of the mill | Completed | It was easy to input the data and check them before I send it to the supervisor. | |
| 6 | Check production data with the target, cross check bills | Completed | It was easy. | |

| | | | | |
|----|---|---------------|---|--|
| 7 | Cross-Check Bills, check production data | Completed | I did it quickly because I had been doing it previously. | |
| 8 | Check the stocks in stores, cross check of bills | Completed | The stores were not that organized, so it was a bit tough to find the materials. | |
| 9 | Detailed explanation on each process | Not completed | The staff members were very helpful. | |
| 10 | Detailed explanation on each process | Completed | The staff members were very helpful. | |
| 11 | Observe the work done in preparatory, Cross-check bills | Completed | The organization and the supervision of the labour seems to be a tedious job. | |
| 12 | Observe the work done in spinning section, cross-check bills | Completed | The major shortage of labour was in the spinning department | |
| 13 | Observe the work done in winding section, compare production data with target | Completed | Due to fully automated machines the labour required was less and the processes were more refined. | |
| 14 | Observe the work done in packing, cross-check bills | Completed | The packing department were careful not to mix the | |

| | | | | |
|----|--|-----------|---|--|
| | | | different varieties of yarns. | |
| 15 | Learn how one full order is being processed and dispatched | Completed | The processes and the procedures followed were long to ensure the best for the customers. | |

II. FEEDBACK OF IMMEDIATE SUPERVISOR