



Quality Control Circles at DBL  
**THE JOURNEY**  
of Innovation





The Quality Control Circle (QCC) is a management concept which originated in Japan in 1960s which enabled factory workers to study systematic problem solving methods and encouraged them to form into small groups that followed a methodical procedure to identify, analyze, find root causes of defects and quality problems, and implement solutions. The philosophy of the Japanese is not only to use the hands of the Japanese workers, but the potential in their brains as well. The term “Quality Circle” refers to a group of employees who meet regularly to consider ways of resolving problems and improving production process in their organization.



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# PREFACE

The journey of Quality Control Circles (QCC) in DBL Group began on the 4<sup>th</sup> February, 2014 with two QC Circles led by Mr. Md. Azahar Ali, DGM, Production and Mr. A.K.M Sajedul Arefin Khan, AGM, Production Planning respectively. It was introduced for the sole purpose of improving quality and process.

Following the formation of the first QC Circles, DBL Group participated in the 18<sup>th</sup> National Annual Quality Convention (NAQC) which took place on 7<sup>th</sup> June, 2014 at the Auditorium of Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka. The convention was organized by Bangladesh Society for Total Quality Management (BSTQM).

Later that year, DBL Group also participated with one QC Circle and won Silver award in the International Convention on Quality Control Circles (ICQCC) 2014 in Colombo, Sri Lanka.

To promote the formation and utilization of QC Circles throughout the Group, DBL Group signed an agreement with BSTQM on 2<sup>nd</sup> February, 2015. Through the duration of March to August, 2015, training was given by BSTQM in all DBL factory complexes.

The 19<sup>th</sup> NAQC took place on 9<sup>th</sup> May, 2014 at the Auditorium of Krishibid Institution Bangladesh, Khamarbari, Farmgate, Dhaka. DBL Group attended the convention with 15 QC Circles and achieved 1<sup>st</sup> and 2<sup>nd</sup> positions respectively.

To further cultivate the formation of QC Circles, DBL Group hosted their first Inter Unit QC Circle Competition 2016 which took place at Matin Spinning Mills Limited on 14<sup>th</sup> February, 2016. The competition was attended by 36 teams from different Units of DBL Group.

Following which, the 20<sup>th</sup> NAQC took place on 27<sup>th</sup> February, 2016 at BIAM Auditorium of Dhaka. DBL Group was the Co-sponsor of the event.

Afterwards, DBL Group won a Gold and two Silver awards in the ICQCC 2016. The Convention took place from 23<sup>rd</sup> to 25<sup>th</sup> August, 2016. DBL kept thriving for perfection.

The 2<sup>nd</sup> Inter Unit QC Circle Competition 2017 took place at Mymun Complex, DBL Group on 15<sup>th</sup> March, 2017. The program was a huge hit, and, the employee engagement was more than ever before. 91 teams participated that year.

DBL Group Co-sponsored the 21<sup>st</sup> NAQC which took place on 10<sup>th</sup> of May, 2017 at BIAM Auditorium of Dhaka. DBL Group attended the convention with its 21 QC Circles with more innovations to offer.

Finally, DBL Group won 3 Gold Awards in the ICQCC 2017 which took place from 24<sup>th</sup> to 26<sup>th</sup> October, 2017 in Manila, Philippines. From DBL Group, 3 QC Circles (Pioneer, Rainbow and Eco Warriors) participated the Convention and all of them were awarded with the highest honor. It was the best achievement by the DBL QC Circles ever.

This initiative is expected to enhance DBL Group's quality of overall production process, to reduce waste, to improve teamwork and teambuilding, to eliminate unnecessary processes, and, to inculcate the habit of innovation. And, all this would result in reduced costs and time-saving. The Management of DBL Group also expects that more QC Circles will participate every year.

On the 4<sup>th</sup> of February, 2014 the journey of Quality Control Circles (QCC) in DBL Group began with two QC Circles.

#### **National Annual Quality Convention**

DBL participated in the 18<sup>th</sup> National Annual Quality Convention (NAQC) which took place on 7<sup>th</sup> June, 2014 at Auditorium of Nabab Nawab Ali Chowdhury Senate Bhaban, University Of Dhaka with 2 QC Circles. The convention was organized by Bangladesh Society for Total Quality Management (BSTQM).

#### **International Convention on QC Circles**

DBL Group participated with 1 QC Circle and won one Silver award in the International Convention on Quality Control Circles (ICQCC) 2014 in Colombo, Srilanka which took place from 12<sup>th</sup> to 15<sup>th</sup> October, 2014.

By the end of 2014, 16 QC Circles were formed throughout DBL Group.

On the 2<sup>nd</sup> of February, 2015, DBL Group signed an agreement with Bangladesh Society for Total Quality Management (BSTQM) to promote the formation and utilization of QC Circles throughout the Group.

Through the duration of March and August, 2015, training was given by BSTQM in all DBL Factory complexes.

#### **National Annual Quality Convention**

The 19<sup>th</sup> National Annual Quality Convention (NAQC) took place on 9<sup>th</sup> May, 2014 at Auditorium of Krishibid Institution, Bangladesh, Khamarbari, Farmgate, Dhaka. DBL Group attended the convention with its 15 QC Circles and achieved 1<sup>st</sup> and 2<sup>nd</sup> positions respectively.



### Inter-Unit QC Circle Competition

The first Inter Unit QC Circle Competition 2016 took place at Matin Spinning Mills Limited (MSML) on 14<sup>th</sup> February, 2016. 36 QC Circles participated.

### National Annual Quality Convention

The 20<sup>th</sup> National Annual Quality Convention (NAQC) took place on 27<sup>th</sup> February, 2016 at BIAM Auditorium of Dhaka. DBL Group attended the convention with its 18 QC Circles.

### International Convention on QC Circles

DBL Group has won one Gold and two Silver awards in the International Convention on Quality Control Circles (ICQCC) 2016 in Bangkok, Thailand which took place from 23<sup>rd</sup> to 25<sup>th</sup> August, 2016. DBL participated with 3 QC Circles.

### Inter-Unit QC Circle Competition

2<sup>nd</sup> Inter Unit QC Circle Competition 2017 took place at Mymun Complex, DBL Group on 15<sup>th</sup> March, 2017. 91 QC Circles consisting of 442 members from different Units of DBL Group participated in the competition.

### National Annual Quality Convention

The 21<sup>st</sup> National Annual Quality Convention (NAQC) took place on 10<sup>th</sup> May, 2017 at BIAM Auditorium of Dhaka. DBL Group was the Co-sponsor of the event. DBL Group attended the convention with its 21 QC Circles.

### International Convention on QC Circles

DBL Group has won 3 Gold Awards in the International Convention on Quality Control Circles (ICQCC) 2017 in Manila, Philippines. From DBL Group, 3 QC Circles (Pioneer, Rainbow and Eco Warriors) participated the Convention and all of them have been awarded with the highest honour.

2016

2017

# MILESTONES

# MESSAGE FROM THE BOARD OF DIRECTORS



“We are very pleased to see the progress that was ensured by the initiative of introducing, forming, implementing and nurturing “Quality Control Circles” in DBL Group. We have come a long way from the first QC Circle in 2014 to well over a 100 QC Circles today, we even picked up 3 International Gold Awards in 2017 at the ICQCC. The future holds much greater things for us.”

**Abdul Wahed**  
Chairman



“We took up the initiative out of our concern for the environment, enhance teamwork and to encourage ‘bottom-up’ approach so that, idea-generation can come from any level of the organization. With QC Circles in place, unnecessary processes can be eliminated, hence minimizing cost and increasing efficiency. QC Circles lead to energy-efficient production techniques and pays off in due course, be it in terms of lower electricity and water consumption or lesser carbon emissions.”

**M.A. Jabbar**  
Managing Director





“We are extremely excited by the prospect of DBL Group excelling in any field it sets its sights on. We are only 26 years young and reaching new milestones every day. We will keep improving our Quality Control Circles and keep delivering the best to our abilities in the days to come.”

**M.A. Rahim**  
Vice Chairman



“We have enjoyed significant improvements in the production efficiency since the inception of the ‘Quality Control Circles’ culture in DBL Group. The nurturing of the Quality Control Circle has led to a positive impact on cost and future prospects as well, notably, the reduction of waste. The initiatives taken with Quality Control Circles really increases employees’ loyalty through the implementation of their ideas with priority, subsequently, motivating their problem-solving abilities.”

**M.A. Quader**  
Deputy Managing Director  
& Group CEO

## 1<sup>ST</sup> INTER UNIT QC CIRCLE COMPETITION 2016

The 1<sup>st</sup> Inter Unit QC Circle Competition 2016 took place at Matin Spinning Mills Limited (MSML) on 14<sup>th</sup> February, 2016. The competition was attended by 36 teams from different Units of DBL Group. The term “Quality Circle” refers to a group of employees who meet regularly to consider ways of resolving problems and improving production in their organization.

Mr. M.A. Quader, Deputy Managing Director & Group CEO, Mr. Md. Hassan Imam, Director

and senior high officials of DBL Group were present during the competition and prize giving ceremony. Bangladesh Society for Total Quality Management’s (BSTQM) President, Mr. A. M. M. Khairul Basahar and other officials were present as official judges of the competition. Selective Circles received Prize Money along with Crests for significant contribution through their Project Presentation. All the participants of the competition received certificates of appreciation.



## 2<sup>ND</sup> INTER UNIT QC CIRCLE COMPETITION 2017

The 2<sup>nd</sup> Inter Unit QC Circle Competition 2017 took place at Mymun Complex, DBL Group on 15<sup>th</sup> March, 2017. 91 QC Circles consisting of 442 members from different Units of DBL Group participated in the competition. That year's slogan was 'Quality Circle movement, a strong commitment to achievement'.

Mr. M.A. Quader, Deputy Managing Director and senior high officials of DBL Group were present during the competition and prize giving ceremony. Bangladesh Society for Total Quality Management (BSTQM) officials were present

as official judges of the competition. Selective teams received Prize Money along with Crests for significant contribution through their Project Presentation, and, all the participants of the competition received certificates of appreciation.

This initiative is expected to enhance the quality of overall DBL Group's production processes and create awareness among the employees. The Management of DBL Group also expects that this initiative will help to improve the production process of the company and more QC Circles will participate next year.





## NATIONAL ANNUAL QUALITY CONVENTION 2014

**B**angladesh Society for Total Quality Management (BSTQM) is a voluntary organization engaged in promoting Total Quality Management (TQM) in Bangladesh. The society was established on 4<sup>th</sup> May, 1996.

BSTQM emerged as a leading agency promoting Quality Management culture in all sectors of the economy. Initially the organization was named as TQM Club in 1994. In 1996 it was renamed as the Bangladesh Society for Total Quality Management.

DBL Group participated for the first time during the 18<sup>th</sup> National Annual Quality Convention (NAQC) which took place on 7<sup>th</sup> June, 2014 at

the Auditorium of Nabab Nawab Ali Chowdhury Senate Bhaban, University Of Dhaka. The convention was organized by Bangladesh Society for Total Quality Management (BSTQM). The theme for that year's convention was "Cultural Imperatives for Quality Improvement". Professor Dr. A. A. M. S. Arefin Siddique, Vice Chancellor, University of Dhaka was the Chief Guest. High officials of BSTQM and DBL Group including Mr. M. A. Rahim, Vice Chairman, Mr. Md. Hassan Imam, Director and Mr. Biplob Barua, AGM, HR were present during the program. DBL Group attended the convention for the first time with 2 of its QC Circles. There, they demonstrated their QC Circles along with its activities and findings.



## NATIONAL ANNUAL QUALITY CONVENTION 2015

In 2015, DBL Group participated in the 19<sup>th</sup> National Annual Quality Convention (NAQC) which took place on 9<sup>th</sup> May, 2014 at Auditorium of Krishibid Institution Bangladesh, Khamarbari, Farmgate, Dhaka. The convention was organized by Bangladesh Society for Total Quality Management (BSTQM). The theme for that year's convention was "Enhancing Quality through KAIZEN". There were many participants

from renowned organizations of Bangladesh. High officials of BSTQM and DBL Group including Mr. M. A. Rahim, Vice Chairman and Mr. Md. Hassan Imam, Director were present during the program. Here, they demonstrated their QC Circles along with its activities and findings. DBL Group attended the convention with its 15 QC Circles and achieved 1<sup>st</sup> and 2<sup>nd</sup> positions.



## NATIONAL ANNUAL QUALITY CONVENTION 2016

In 2016, the 20<sup>th</sup> National Annual Quality Convention (NAQC) took place on 27<sup>th</sup> February, at BIAM Auditorium of Dhaka. The theme for that year's convention was "Bottom up Approach for Improving Quality". DBL Group was the Co-sponsor of the event. Mr. Syed Alimuzzaman, Chairman, Convention Organizing Committee & Secretary General, BSTQM, Mr. A. M. M. Khairul Bashar, President, BSTQM, Professor Dr. M. R. Kabir, Pro Vice-Chancellor, University of Asia Pacific & Vice President of BSTQM and other high officials of BSTQM were present during the program. Mr. M. Shabbir Ali, Executive Director, Group HR and Mr. Biplob Barua, AGM, Group HR of

DBL Group delivered speeches on the occasion. Other high officials of DBL Group were also present during the convention. There were 42 QC Circles with more than 200 participants from renowned organizations of Bangladesh. There, they demonstrated their QC Circles along with its activities and findings. DBL Group attended the convention with its 18 QC Circles. Among others, Comfit Composite Knit Limited, ACI, Rahimafrooz Group, Navana Pharmaceuticals Limited, Healthcare Pharmaceuticals Limited, Emami Bangladesh, Interstoff Apparels Limited etc. participated in the convention with their respective QC Circles.





## NATIONAL ANNUAL QUALITY CONVENTION 2017

The 21<sup>st</sup> National Annual Quality Convention (NAQC) took place on 10<sup>th</sup> May, 2017 at BIAM Auditorium of Dhaka. The convention was organized by Bangladesh Society for Total Quality Management (BSTQM). The theme for that year's convention was "QCCs For Sustainable Development". DBL Group was the Co-sponsor of the event. In this program, the Chief guest was Prof. Dr. Golam Rahman, Adviser & Former Vice Chancellor of Bangladesh University, special guests were Mr. Asif Ashraf Managing Director of URMI group and Mr. Mohammad Ebadul Karim, Managing Director of Beacon Pharmaceuticals Ltd, and, the keynote speaker was Dr. Khandoker Mahmudur Rahman, Assistant Professor of United International University, and, other high officials of BSTQM were present during the program. Mr. M. Shabbir

Ali, Executive Director, Group HR and Mr. Biplob Barua, DGM, Group HR of DBL Group delivered speeches on the occasion. Other high officials of DBL Group were also present during the convention.

There were 52 QC Circles with more than 300 participants from renowned organizations of Bangladesh. Here, they demonstrated their QC Circles along with its activities, findings, and achievements. DBL Group attended the convention with its 21 QC Circles. Among others, Comfit Composite Knit Limited, ACI, Rahimafrooz Group, Navana Pharmaceuticals Limited, Healthcare Pharmaceuticals Limited, Emami Bangladesh, Interstoff Apparels Limited participated in the convention with their respective QC Circles.



# INTERNATIONAL CONVENTION ON QC CIRCLES 2014

The proposal to initiate an International Convention on Quality Control Circles (ICQCC) was first made at the Korean Quality Control Conference 1975 in Seoul. The Chairman of the Organizing Committee of the Conference proposed that the opportunity of exchanging ideas and experiences on QC Circle activities should be held periodically among the participating countries of the Conference for the further development of such activities. For this reason, the first International Convention on QC Circles took place in Seoul in 1976. In order to encourage balanced development of QC techniques in each nation, elevate the level of the QC Circles, and offer opportunities for mutual communication, the Japanese QCC Headquarters (Japanese of Scientists and Engineers), the Korean QCC Headquarters (Korean Standards Agency) and the Taiwan QCC Headquarters (PQCRA) came to an agreement in 1976 to take turns hosting the ICQCC. Excellent QC circles in other nations are also invited to join in to broaden the international scope of QC activities. As the International Convention progressed, the number of attending countries/regions increased,

with requests by participating countries to be able to host ICQCC in their turn. At ICQCC 1986 held in Seoul, it was agreed that participating countries would be divided into two groups geographically, and countries from each Group would host the Convention alternately. Currently 13 members from the core group of organizers for the annual ICQCC: Bangladesh, China, Hong Kong, India, Indonesia, Japan, Korea, Malaysia, Philippines, Singapore, Sri Lanka, Taiwan and Thailand.

DBL Group participated with one QC Circle and won Silver award in the International Convention on Quality Control Circles (ICQCC) 2014. Sri Lanka Association for the Advancement of Quality & Productivity (SLAAQP) organized this Convention in Colombo, Sri Lanka from 12<sup>th</sup> to 15<sup>th</sup> October, 2014. That year's slogan was 'Global Prosperity through Enhanced Quality'. 1,200 delegates from 12 countries and over 700 participants were there for the convention from different countries. At the Convention, the QC Circle of DBL was headed by Mr. Biplob Barua AGM, Group HR.





## INTERNATIONAL CONVENTION ON QC CIRCLES 2016

**D**BL Group won one Gold and two Silver awards in the International Convention on Quality Control Circles (ICQCC) 2016. The Association of QC Headquarters of Thailand (QCHQ) in Co-operation with Department of Industrial Promotion, Ministry of Industry, Thailand, jointly organized this Convention in Bangkok, Thailand. The Convention took place from 23<sup>rd</sup> to 25<sup>th</sup> August, 2016. That year's slogan was 'Enhancing Workforce and Organizational Performance'.

DBL Group's QC Circle OVIJAN for the Case

Study on 'Reducing Lycra Cotton Problem' won the Gold award, whereas QC Circles UNITY for the Case Study on 'Reducing Bundle Card Mistake in Cutting' and STAIR for the Case Study on 'Reducing Uneven Dyeing from 20% to 10%' have won Silver awards respectively. More than 237 QC Circles from 13 countries participated in this year's Convention. From DBL, 3 QC Circles attended the Convention and all of them have been awarded. At the Convention, the QC Circles of DBL were headed by Mr. Biplob Barua, AGM, Group HR.



## INTERNATIONAL CONVENTION ON QC CIRCLES 2017

Finally, DBL Group won the highest honor with 3 Gold Awards in the International Convention on Quality Control Circles (ICQCC) 2017 which was organized by The Quality and Productivity Association of the Philippines in Manila, Philippines. From DBL Group, 3 QC Circles (Pioneer, Rainbow and Eco Warriors) participated the Convention and all of them have been awarded. The QC Circles have been evaluated by international judges and were rated based on idea generation, creativity and

implementation of the projects in their respective working areas with cost-benefit analysis. At the Convention, the QC Circles of DBL Group were headed by Mr. Biplob Barua, DGM, Group HR. Total 360 QC Circles from 13 countries across the world participated in this year's event. That year's theme was "Quality Teams Evolved - Driving Change and Sustainability through Quality Circles". The Convention took place from 24<sup>th</sup> to 26<sup>th</sup> October, 2017.





# QUALITY CONTROL LEADERS



“Having sound Quality Control practices in a company is a blessing, we are lucky to have such initiatives in DBL Group.”

**Md. Hassan Imam**  
Director



“QC Circles, a tool for continual improvement.”

**Md. Shamimul Haque**  
Chief Production Officer, Spinning  
Matin Spinning Mills Ltd.



“Making QC Circles give the employees a chance to use their own wisdom and creativity. QC Circles build mutual trust and create greater understanding between the management and its workers. Problem Prevention is better than Solving. By developing QC Circles we can be better development leaders.

Be a QC Circle member, differentiate yourself from others. Come to QC Circles and explore your creativity and experiences.”

**Sadequr Rahman**  
Chief Production Officer, Knitting



“One of the most significant decisions made by DBL Management was to create leadership among employees of different departments and to make this Group a unique example among all the national and multinational Groups through the Inter- Unit QC Circles Competition. This competition is creating monumental changes all throughout this organization and creating future leaders. I hope all the success for this ongoing QC Circles Competition activities which we started few years back.”

**Md. Sadek Ahmed**

Chief Production Officer, Dyeing  
Mymun Complex



“QC Circle is the ‘Bottom-to-Top Approach’ mechanism with the direct involvement & engagement of the field level employees. It’s an excellent opportunity for the grass root oriented employees to get a chance to analyze the problems and recommend the probable solutions. It is an appropriate platform for building up their Leadership skills, growing their thinking power & encouraging them for public speaking.”

**Md. Zulfiquer Uddin Mollah**

General Manager, Administration  
Mymun Complex



“People’s proactive engagement is key to a company’s success. Through the nurturing and implementation of QC Circles, the said success can be achieved.”

**Biplob Barua**

Deputy General Manager, Group HR





“Where there is a problem, therein is a solution, and solution maker becomes a hero- it’s like a proverb. Now, who provides the solutions of problems in your work area; is not you? Yes, you can; be a volunteer of the QC Circles initiative. Practice QC Circles as a culture. Identify the problems, shoot it with QC Circles; provide the solutions to the management and you would be also a hero!”

**Monzur Murshed**

Deputy General Manager, Dyeing  
Color City Ltd



“The news about the publication of the QC Circle brochure by DBL Group has made me very inspired and ecstatic. I believe with my heart and soul that the processes run by QC Circles are essential to remain competitive in the modern world. QC Circles are integral organs of today’s organizations if they want to improve continuously. Through the implementation of QC Circles in every step of the production process to increase productivity, I have observed its pragmatic usefulness. There can be no substitute for the implementation of QC Circles.

Let the revolution for QC Circles become the revolution for Productivity. I congratulate publishers of the brochure on their initiative and wish them perpetual success.”

**Md. Azahar Ali**

Deputy General Manager, Production  
Jinnat Complex



“Success is the sum of small efforts repeated day-in and day-out”. Realizing these realistic words, our management initiated QC Circle practices in 2014. It paves the way for our talented energetic employees to show off their capability to improve their working place systems that were previously unthinkable. Their tremendous efforts should be recognized officially. Our management’s effort to do so is obviously praise worthy. There is no alternative to this movement, to cope with the present competitive world. With the strong helping hand of our management, I hope this movement will spread each and every corner of DBL Group and make us one of the top giants all over the world.”

**A.K.M Sajedul Arefin Khan**

Assistant General Manager, Production Planning  
Thanbee Print World Ltd



“I have had friends, but QC Circle give us the unity regardless of our friendship. A QC Circle is not only a team, it is a family too. I liked my company, but after the introduction of QC Circles, I’ve fallen in love with my company.”

**Mohammed Salauddin**

Assistant General Manager, Work Study  
Mawna Fashion Ltd.



“The QC Circle belongs to those who see the possibilities before they become obvious.”

**Md. Faiz Ullah**

Assistant General Manager, HR  
Jinnat Complex



“As spinning is done through specific and discrete ways along with the workers’ superior roles, it emphasizes to ensure authority relationships within which the actions are taking place. QC Circle is designed to identify a problem, to find out its root cause, to find a solution for the problem & implementation of the solution. It is used to upgrade individual specific section as well as the upgrading of root level employees. However, the output of this culture is greater than the summation of individual success of each QC Circle.”

**Mohammad Mohiuddin**

Senior Manager, Spinning Quality Control  
Matin Spinning Mills Ltd







# BRIEF ON QUALITY CONTROL CIRCLES

# BEGINNERS



## TEAM SLOGAN

Simple innovation more benefit

## TEAM FORMATION

Team Formed: January 21, 2017

Total Members: 05

Business Unit: Jinnat Knitwear's Ltd.

## PROJECT

Reducing fabric wastage from 1.42% To 0.36% to increase productivity & quality

## PROBLEM STATEMENT

Fabric wastage, less production, time wastage for measurement, poor fitting problem

## SOLUTION

Fixing air deviser on over lock machine

## ACHIEVEMENT

■ Reduce fabric wastage ■ Reduce time ■ Improve work process ■ Reduce manufacturing cost

## NEXT PROJECT Increase productivity by using correct tools (RFT)

# BLESS



## TEAM SLOGAN

Today's wastage, tomorrow's shortage

## TEAM FORMATION

Team Formed: December 01, 2016

Total Members: 04

Business Unit : Jinnat Apparels Ltd.

## PROJECT

Bottled water wastage management

## PROBLEM STATEMENT

If we provide our buyer or any other clients 500 ml mineral water bottle for drinking purpose then we found 1/3 of the water remain wastage /unused

## SOLUTION

Using 330ml water bottle instead of 500ml water bottle

## ACHIEVEMENT

■ Reduce drinking water wastage ■ Saving money ■ Cost free project ■ Improve work process

## NEXT PROJECT Usable water wastage control

# ESPRIT

## TEAM SLOGAN

Optimum capacity utilization increase production

## TEAM FORMATION

Team Formed: August 23, 2016

Total Members: 04

Business Unit: Jinnat Apparels & Flamingo Fashion Ltd.

## PROJECT

Line balancing



## PROBLEM STATEMENT

Operator capacity barying working progress, WIP not controll, time wastage, excess operator used are the main reasons for occuring this problem

## SOLUTION

Line balance by work sharing

## ACHIEVEMENT

■ Productivity improved ■ Saving lead time & quality is higher now with cost reduction

## NEXT PROJECT WIP control

# GREEN VALLEY

## TEAM SLOGAN

Visible work place better environment

## TEAM FORMATION

Team Formed: January 01, 2016

Total Members: 04

Business Unit: Flamingo fashions Ltd.

## PROJECT

Visual management system



## PROBLEM STATEMENT

Work related information is not awarded properly in work place

## SOLUTION

Using signal light for cutting & maintenance, using many kinds of flag (smiling, non smiling, loading point, and maintenance repair flag), kaizen board, total productive maintenance board, operator performance board

## ACHIEVEMENT:

■ Saving lost time ■ Productivity improved ■ Efficiency increase ■ Stop information gap ■ Stop un-necessary searching.

## NEXT PROJECT Oil spot reduce

# LIGHT OF DARKNESS



## TEAM SLOGAN

Change to save time & money

## TEAM FORMATION

Team Formed: July 13, 2015

Total Members: 05

Business Unit: Jinnat Apparels Ltd.

## PROJECT

Carton wastage problem

## PROBLEM STATEMENT

Carton booking manually: carton use not in proper way ; good conditioned carton use for left over garments, finishing re-work & others

## SOLUTION

Trained how to book actual carton quantity and increase awareness for better use

## ACHIEVEMENT

- 100% booking, issue & received information
- On-time – online cartoon reports updates
- Carton booking qty. Will be on-time – online & 100% accurate
- Save working hour to sourcing department
- Instead of good carton now we use leftover carton for leftover garments & other works.
- New carton received in time according to booking
- Due to proper accounting now reduce misuse of carton etc.

## NEXT PROJECT Digital visualization



# MASTERMIND

## TEAM SLOGAN

Save time, save money

## TEAM FORMATION:

Team Formed: January 07, 2017

Total Members: 05

Business Unit: Jinnat Knitwear Ltd.

## PROJECT

Reducing uncut threads from 12% to 0% by scheduled time

## PROBLEM STATEMENT

Uncut thread, loose thread, body damage, during remove of uncut thread due to rework , excessive use of helper

## SOLUTION

Remove thread cutting by operator with heavy scissor. Introduce Auto Trimmer in sewing machine to remove uncut thread

## ACHIEVEMENT

- Productivity improved
- Saving lead time
- Quality improve
- Team work & spirit increased
- Customer satisfaction as well as company reputation is increased

# YOUNG STAR

## TEAM SLOGAN

Deri Korbona, Arthik Khoti Barabo Na.

## TEAM FORMATION

Team Formed: May 19, 2016

Total Member: 05

Business Unit: Jinnat Fashion Ltd. (Knitting)

## PROJECT

Reducing late present



## PROBLEM STATEMENT

Late present in the factory became habitual and the late present were increasing

## SOLUTION

Awareness program regarding "Hazira Bonus" If any person attend office on time and regularly then he/she will be entitled for "Hazira Bonus"

## ACHIEVEMENT

■ Daily Production increased ■ Accidents reduced ■ Workplace become more enjoyable

## NEXT PROJECT Increasing the skill of the operators

# PANJERI

## TEAM SLOGAN

Utilize the capacity, increase the productivity

## TEAM FORMATION:

Team Formed: January 02, 2016

Total Members: 03

Business Unit: Jinnat Fashions Ltd.

## PROJECT

Increasing capacity of dress gathering process



## PROBLEM STATEMENT

Production is very low at low dress gathering with mobilon tape joint process due to poor capacity & uneven gathering

## SOLUTION

Use (one) Flat lock machine instead of (three) lock stitch machine for dress gathering with mobilon tape by attaching a device with flat lock machine. The device control elasticity of mobilon tape so that gathering is even in every part of dress

## ACHIEVEMENT:

■ Reduce two unnecessary operators ■ Unnecessary work station & manufacturing cost ■ Increase capacity  
■ Improve quality

## NEXT PROJECT Reduce WIP from the sewing line





# PRODUCTION EXPRESS

## TEAM SLOGAN

Eliminate non-value added work, increase productivity with quality

## TEAM FORMATION

Team Formed: April 2, 2016

Total Members: 04

Business Unit: Jinnat Fashions Limited

## PROJECT

Eliminate fabric cut panel numbering

## PROBLEM STATEMENT

Non-value means that things for which buyer are not pay to us

## SOLUTION

- Batch wise cutting, One lay one shade, Every lay roll separate (use indicator different color), Roll wise separate bundling, Replace reject/defect panel put in bundle sequence wise, If fabric uneven shade found then making marker meter to meter group, If fabric side to center shade then making marker length wise group, If fabric uneven shade.
- Face to face marker, hem to hem marker, join marker, waist to waist marker
- If fabric sued then marker should be one garments one way

## ACHIEVEMENT

- Improved productivity
- Reduce lead time
- Save manpower and higher quality with reduce manufacturing cost

## NEXT PROJECT Reduce printing supply delay



# PROGOTY

## TEAM SLOGAN

Develop method, improve productivity

## TEAM FORMATION

Team Formed: January 2, 2016

Total Member: 04

Business Unit: Jinnat Fashions Ltd.

## PROJECT

Velcro attach

## PROBLEM STATEMENT

Production rate is very low at Velcro attach process due to poor capacity & quality problem

## SOLUTION

Use (one) bar tack machine instead of (three) lock stitch machine in sewing line for velcro attach & install a program of 22x18 mm sewing diagram into a bar tack machine

## ACHIEVEMENT

- Reduce two unnecessary operators
- Reduce unnecessary work station
- Reduce time wastage
- Reduce manufacturing cost
- Improve quality
- Increase work speed

## NEXT PROJECT Method development at placket box make operation

# SHIELD



## TEAM SLOGAN

Be conscious save cost

## TEAM FORMATION

Team Formed: February 1, 2016

Total Members: 04

Business Unit: Jinnat Knitwear's Ltd.

## PROJECT

Motivate the operator's for saving sewing thread

## PROBLEM STATEMENT

Huge quantity sewing thread wastage due to unconsciously machine operating by operators

## SOLUTION

For reduce thread wastage build up a motivating team and motivate the operators and raise awareness of operators for not press the paddle before set body under machine pressure feet and after sewing complete not keep the paddle on pressing

## ACHIEVEMENT

■ Productivity improved ■ Saving lead time & quality is higher now with cost reduction

## NEXT PROJECT WIP control

# SRIJON



## TEAM SLOGAN

Save fabric increase profit

## TEAM FORMATION

Team Formed: October 29, 2016

Total Members: 04

Business Unit: Flamingo Fashion Ltd.

## PROJECT

Reduce fabric wastage & cost minimization

## PROBLEM STATEMENT

Using huge allowance during laying because of unconscious laying of layman which cause fabric wastage In cutting section

## SOLUTION

For reducing fabric wastage make a standard operation procedure (SOP) which is approved by top Management of our group and arrange meeting with all cutting lay man, supervisor & responsible Incharge. Our facilitator, cutting manager and srijon team follow up it by maintain a register. Be noted that, it's a cost free project. So that, motivation & awareness is only solution of this project

## ACHIEVEMENT

Reduce fabrics wastage by cost free project which saving huge cost & improve work process

## NEXT PROJECT Input supply delay

# SUNFLOWER

## TEAM SLOGAN

Profit money by properly space utilization

## TEAM FORMATION:

Team Formed: August 1, 2016

Total Members: 05

Business Unit: Jinnat Apparels Ltd. & Flamingo Fashions Ltd.

## PROJECT

Properly space utilization for optimum capacity



## PROBLEM STATEMENT

Space is not optimally utilized & materials are allocated based on a random basis.

## SOLUTION

Have to select face to face layout system. Material should not be use random basis. Transportation distance should be minimized, cutting layout should be central basis

## ACHIEVEMENT

■ Reduce capital investment and operating expense ■ Reduce manpower ■ Ultimately improves capacity and Productivity ■ Centralize scheduling ■ Minimize distance barrier ■ Minimize lead time ■ Provides a better basis for planning development

**NEXT PROJECT** Face to face layout system at Jinnat Fashions Ltd. & Jinnat Knitwears Ltd. and central cutting at Mawna Fashions Ltd.

# AKOTA

## TEAM SLOGAN

Apachoy somoy komabo, udhpadon barabo

## TEAM FORMATION:

Team Formed: July 14, 2014

Total Member: 05

Business Unit: JAL Knitting

## PROJECT

Increasing productivity



## PROBLEM STATEMENT

Time waste during roll opening; needle, knife & forceps are not organized which creates wastage of time

## SOLUTION

Use UPVC pipe at roll opening, made machinewise tools keeping box where all necessary tools are kept such as needle, knife, forceps

## ACHIEVEMENT

■ Increased production ■ Loss time reduced ■ Develop work environment

**NEXT PROJECT** Improve grey fabric quality



# ANIBARJO

## TEAM SLOGAN

"Reject korbo na, opochoy barabo na"

## TEAM FORMATION

Team Formed: September 17, 2016

Total Members: 05

Business Unit: Jinnat Complex

## PROJECT

Increasing production & decreasing rejection by reducing lycra related problems



## PROBLEM STATEMENT

When operator don't clean machine properly & running machine on over Run Per Minute as well as improper packing system is the main reason of lycra problem

## SOLUTION

Train operators how to clean machine properly and keep out lycra from machine on time as well packing lycra systemically could minimize the problem

## ACHIEVEMENT

■ Reduce financial loss & improve product quality

## NEXT PROJECT

Hole problem of knit fabrics

# DURBAR

## TEAM SLOGAN

Durbar teamer angkar companir malamal sothik vabe korbo babohar

## TEAM FORMATION:

Team Formed: August 10, 2016

Total Members: 05

Business Unit: Jinnat Complex

## PROJECT

Breaking air gun & damage hose pipe.



## PROBLEM STATEMENT:

Carelessness is the main reason while using air gun & lose pipe.

## SOLUTION

Using soft and twisted pipe

## ACHIEVEMENT

■ Reduce financial loss and machine accident ■ Work environment improve

## NEXT PROJECT

Working on machine accident

# DURDHORSHO

## TEAM SLOGAN

Rakbo dhore 5S Kormoporibesh hobe besh

## TEAM FORMATION:

Team Formed: July 14, 2016

Total Members: 06

Business Unit: Jinnat Fashion Ltd.

## PROJECT

Sustainable practice of 5S Method



## PROBLEM STATEMENT

High loss time because of not practicing 5S method

## SOLUTION

More awareness program conducted for operator and regular follow up

## ACHIEVEMENT

■ Increased production as loss time was reduced ■ Work environment enriched

## NEXT PROJECT Reducing operator and helper migration.

# SUNRISE

## TEAM SLOGAN

Speed up the work & reduce order change over time with quality

## TEAM FORMATION

Team Formed: July 16, 2016

Total Member: 04

Business Unit: Jinnat Knitwear's Ltd.

## PROJECT

Reducing order change over time & increase productivity



## PROBLEM STATEMENT

Excess order change over time, machine setup delay, flash time high, huge WIP (work in process) & quality fault are the main reasons for occurring this problem

## SOLUTION

By work standardization of information board (order change over board), set up time, wip level & flash time standardization

## ACHIEVEMENT

■ Improved productivity & supply chain ■ Reduce time waste & increasing productive time ■ Machines' & operators are well aware their set-up time & flash time

## NEXT PROJECT Reduce quality fault

# SUNLIGHT

## TEAM SLOGAN

Optimum capacity utilization manpower reduction  
production increase cost reduction

## TEAM FORMATION

Team Formed: August 23, 2016

Total Members: 04

Business Unit: Jinnat Apparels & Flamingo Fashion Ltd.

## PROJECT

Neck rib joint without folder



## PROBLEM STATEMENT

In neck rib joint process by folder 05 persons works

## SOLUTION

Neck rib joint by free hand using 02 persons

## ACHIEVEMENT

■ Productivity improved ■ Saving lead time & quality is higher ■ Cost reduction

## NEXT PROJECT Group wise label making

# AGROGAMI

## TEAM SLOGAN

Iccha thakle upay hoy, korbo iccha hobei joy

## TEAM FORMATION

Team Formed: October 15, 2016

Total Members: 04

Business Unit: Jinnat Apparels Limited

## PROJECT

Reducing conversion changing time



## PROBLEM STATEMENT

Need proper tools box, planning is not executed properly

## SOLUTION

Blade a proper tools box where all necessary tools are kept in order, a proper schedule, a list of all necessary tools those will be needed during conversion changing

## ACHIEVEMENT

■ Reduced conversion time 33% which helps to increase production in a very considerable amount

## NEXT PROJECT Increase production efficiency

# 360 DEGREE



## TEAM SLOGAN

Think beyond the limit

## TEAM FORMATION

Team Formed: March 23, 2016

Total Members: 04

Business Unit: Mawna Fashions Ltd.

## PROJECT

Service book maintenance-paper pencil medium to digital medium

## PROBLEM STATEMENT

Manual handwriting method of service book maintenance. So, it is costly, expensive which more time consuming

## SOLUTION

Development of new digital service book maintenance method by using existing software and database

## ACHIEVEMENT

- Reduce of cost
- Savings of time
- Percentage of error reduced to zero
- Increased quality of work
- Motivation for employees

## NEXT PROJECT Problem associated with maintaining daily attendance

# ADMIN-MFL



## TEAM SLOGAN

Today's wastage, tomorrow's shortage

## TEAM FORMATION:

Team Formed: November 15, 2016

Total Members: 04

Business Unit: Mawna Fashions Ltd.

## PROJECT

Reducing late entry and early leaving from machines

## PROBLEM STATEMENT

For the reason of "Late entry & early leaving from machine" floor set up delayed, production rate is less, production cost increased, discipline & rules are disobeyed

## SOLUTION

To counsel workers about waste of time, to adjure late comer's worker every day, late comers will sign in late register, given informing letter for late more 3 days by admin dept. Requested to transport owners for supplies available cars in morning & lunch time & also not to run heavy cars during morning & lunch time. To provide attendance bonus, to provide incentive bonus, provide a clean, safe and positive work environment

## ACHIEVEMENT

- We save 6 minutes & improve productivity and reduce cost

## NEXT PROJECT To stop unnecessary mobile phone using in production floor



# AGRODUT

## TEAM SLOGAN

মন দিয়ে কাজ করি অপচয় রোধ করি

## TEAM FORMATION:

Team Formed: December 05, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Shipment quantity filled up if cut excess than order quantity



## PROBLEM STATEMENT

Due to more defect occurs that's why we can't ship only order quantity

## SOLUTION

If defect percentage is reduced checking

## ACHIEVEMENT

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Layout time reduce in sewing line

# ANJUM

## TEAM SLOGAN

টিমের মেম্বর মিলে করি কাজ, হারি জিতি নাই লাভ।

## TEAM FORMATION

Team Formed: April 2, 2016

Total Members: 2

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce hangtag mistake



## PROBLEM STATEMENT

Do not size wise levelling on the hangtag box & properly size wise hangtag keeping on hangtag box

## SOLUTION

Size wise hangtag box levelling and train up hangtag man, hangtag size wise keeping on hangtag box

## ACHIEVEMENT

■ Increase productivity ■ Reduce cost ■ Saves time

## NEXT PROJECT Reduce dirty spot in sewing garments

# DHRUBOTARA

## TEAM SLOGAN

Don't waste time, increase productivity

## TEAM FORMATION

Team Formed: June 20, 2015

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Increase line productivity by increasing process productivity



## PROBLEM STATEMENT

In dragon fly style there is a two process. Where we need to use mobilon tape. In that positions produce pleat due to wrong measurement of mobilon tape

## SOLUTION

Mobilon tape measurement standardization

## ACHIEVEMENT

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Reduce absent from work

# FOCUS

## TEAM SLOGAN

We are companion & work for improvement for the company

## TEAM FORMATION:

Team Formed: June 20, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce point up-down inside seam operation of garments



## PROBLEM STATEMENT

Point up-down inside seam operation

## SOLUTION

Give cut mark from cutting section for side seam operation

## ACHIEVEMENT

■ Improve efficiency ■ Reduce cost

## NEXT PROJECT Reduce uncut thread in garments

# KANDAREE

## TEAM SLOGAN

দেখে শুনে কাজ করি, সেড দেখে রিপ্লেস করি

## TEAM FORMATION

Team Formed: November 12, 2016

Total Members: 05

Business Unit: Mawna Fashion Ltd.

## PROJECT

Replacement not come in proper shade (cutting to swing)



## PROBLEM STATEMENT

From swing line returns garments to cutting sector for replacing the proper shade but it is not happened

## SOLUTION

Ensure proper shade for replacement to swing line

## ACHIEVEMENT

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Bundle mistake in cutting section

# MOYNA

## TEAM SLOGAN

Work together, go ahead to improvement

## TEAM FORMATION

Team Formed: April 11, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce excess worker use in sewing line



## PROBLEM STATEMENT

In basic sweat pant item, previously one helper used for pocket & body match

## SOLUTION

Pocket join operator keep pocket & body parts serially on machine table & pocket joins according to serial

## ACHIEVEMENT

■ Improve productivity ■ Reduce excess helper

## NEXT PROJECT Reduce sewing machine maintenance time



# OVIJATRI

## TEAM SLOGAN

কিউ সি দল মোদের অহংকার অন্টার রোধ আমাদের অঙ্গিকার

## TEAM FORMATION

Team Formed: November 01, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce garments defect %

## PROBLEM STATEMENT

Long sleeve, garments defect at neck join & bow attach at neck position due to operator handling problem

## SOLUTION

Implement quality at the source neck join & bow attach at neck position & operator training

## ACHIEVEMENT

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Reduce oil spot in sewing garments



# RAINBOW

## TEAM SLOGAN

Innovation for better life

## TEAM FORMATION

Team Formed: March 3, 2015

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce extra operation for sewing garments production

## PROBLEM STATEMENT

In sewing line use extra operation for sewing garments production due to lack of instruction & quality fault

## SOLUTION

Use long fabrics tape instead of short fabrics tape & paper folder

## ACHIEVEMENT

■ Simply sewing process ■ Reduce extra operation ■ Process re-engineering ■ Improve quality



# RAJONI GONDHA

## TEAM SLOGAN

সঠিক সময়ে বোবিন সরবরাহ করি, উৎপাদন বৃদ্ধি করি

## TEAM FORMATION

Team Formed: November 04, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Proper supply of bobbin in sewing line



## PROBLEM STATEMENT

Bobbin sewing is not proper in sewing line. Time loss for bobbin refill any

## SOLUTION

Proper bobbin supply in sewing line & easily bobbin refill

## ACHIEVEMENT

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Bundle mistake in sewing line

# RUNNER

## TEAM SLOGAN

Increase productivity with quality

## TEAM FORMATION:

Team Formed: March 3, 2015

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce unnecessary motion for parts handling



## PROBLEM STATEMENT

In sewing line operators need more time for parts handling. Sometimes parts has fell down from machine table & need extra time for keep parts from floor

## SOLUTION

Use extension work aid with sewing machine table for keeping the parts

## ACHIEVEMENT

■ Simply sewing process ■ Reduce operating operation cycle time ■ Process re-engineering ■ Reduce wastage

## NEXT PROJECT Eliminate non value added activity in sewing

# SOMOTA

## TEAM SLOGAN

করবো না অপচয়, বাড়াবো উৎপাদন

## TEAM FORMATION

Team Formed: January 01, 2017

Total Member: 03

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce carton wastage



## PROBLEM STATEMENT

Sewing is an important part of the garments making. Most important reason of thread waste. Which save reduce cost

## SOLUTION

QC circle somota analyzed the problem by 5W1A analysis mainly and found several causes for high defect rate. The most important cause was thread waste

## ACHIEVEMENT

■ This QC closely monitoring scenario ■ Implement improvements ■ Cost reduction

## NEXT PROJECT Save piping waste

# SUNRISE

## TEAM SLOGAN

No recheck, no claim

## TEAM FORMATION

Team Formed: March 23, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd,

## PROJECT

Reducing recheck percentage during inspection



## PROBLEM STATEMENT

Goods recheck during internal inspection and main reasons are twisting, uncut thread & loose thread

## SOLUTION

Use extra guide front of the pressure feed, relaxation time maintain, properly handling during sewing. Cut the uncut thread during by TQI during final check, never pass the goods without sucking & proper monitoring by quality, production officer

## ACHIEVEMENT

■ Reduce percentage ■ Work backlog reducing

## NEXT PROJECT Reduce recheck % & work backlog

# UDAY

## TEAM SLOGAN

শত ভাগ মনযোগ ও দক্ষতা, রিচেক বন্ধের মূল কথা

## TEAM FORMATION

Team Formed: November 12, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce garments recheck in finishing section



## PROBLEM STATEMENT

Reduce garments recheck in finishing section. This problem is happening due to re-iron, tag mistake, label mistake, etc

## SOLUTION

Separate tag, iron man training & after iron garment sizing properly in finishing section

## ACHIEVEMENT

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Reduce re-iron in finishing section

# UTTORON

## TEAM SLOGAN

সব সমস্যার উত্তোরন, বৃদ্ধি পাবে উৎপাদন

## TEAM FORMATION

Team Formed: April 2, 2016

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce size mistake



## PROBLEM STATEMENT

Do not size wise levelling on the label box & operator lack of awareness for label join

## SOLUTION

Size wise levelling on the label box & operator train up on label join procedure

## ACHIEVEMENT

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Reduce garments shading in

# ZANIES

## TEAM SLOGAN

Our aim is 100 % quality full garments

## TEAM FORMATION

Team Formed: January 1, 2017

Total Members: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce rework in garments iron



## PROBLEM STATEMENT

Garments iron is an important part of the garments making. Reason of re-iron for garments are lack of knowledge, instruction & training

## SOLUTION

QC circle zanies made an action plan for reduce re-iron that is provide proper instruction & training. Which help us to get reduce re-iron in finishing section

## ACHIEVEMENT

■ Productivity improved ■ Increase quality percentage ■ Reduce cost

## NEXT PROJECT Reduce rework in garments iron

# NEW CLUSTER

## TEAM SLOGAN

Better thinking, best achievement

## TEAM FORMATION

Team Formed: October 1, 2016

Total Members: 04

Business Unit: PPPL Accessories

## PROJECT

Improving smooth working process with maintaining the quality of narrow fabric



## PROBLEM STATEMENT

Fabric separation problem

## SOLUTION

We have analyzed the root causes for fabric separation problem & we innovated beam stand for fabric separation process. So, now we can easily separate narrow fabric in beam by wrapping

## ACHIEVEMENT

■ Time save ■ Reduce cost

## NEXT PROJECT Increase item variation in gum tape machine



# ONUSHANDHANI

## TEAM SLOGAN

ভেবে চিন্তে করবো কাজ, প্রযুক্তিতে বিশ্ব আজ

## TEAM FORMATION

Team Formed: December 10, 2016

Total Members: 05

Business Unit: Matin Spinning Mills Ltd.

## PROJECT

Find out the reason and solution of unexpected stop of waste filtration plant No 1 in Melange unit



## PROBLEM STATEMENT

Unexpected breakdown of waste filtration plant (No. 1) due to high differential pressure

## SOLUTION

Incorporating strainer in pneumatic tube, increasing suction pressure in dust conveying fan

## ACHIEVEMENT

■ Reduction of breakdown ■ Improved productivity

## NEXT PROJECT Reduce re-iron in finishing section

# RANGDHONU

## TEAM SLOGAN

Tuliasi quality er pal, kovu nahi caribo hal

## TEAM FORMATION

Team Formed: December 28, 2014

Total Members: 05

Business Unit: Matin Spinning Mills Ltd.

## PROJECT

To improve compact yarn quality as well as production



## PROBLEM STATEMENT

Spinning triangle, piecing system

## SOLUTION

We analyzed the spinning triangle was almost 105 degree and for this reason few fibres are not interrupted in the yarn body as a result comparatively more hairiness produced, so for ensuring more number of fibre participated in the yarn body we just reduce the spinning triangle (after solve spinning triangle almost 69 degree) by inclined piecing system in a fixed position

## ACHIEVEMENT

■ Team motivation increase ■ Reduce cost

## NEXT PROJECT To reduce the wastage of sample yarn

# SHWOPNOCHURA



## TEAM SLOGAN

Khoroch komabo, utpadon barabo

## TEAM FORMATION

Team Formed: May 22, 2015

Total Members: 05

Business Unit: Matin Spinning Mills Ltd.

## PROJECT

Ring cup gauge problem

## PROBLEM STATEMENT

Using ring bobbin for ring traveller change and lack of awareness of operator

## SOLUTION

Using a metal plate to remove the traveller

## ACHIEVEMENT

■ Productivity increase and improved housekeeping

## NEXT PROJECT Lapet problem

# SOBUJ PRITHIBY



## TEAM SLOGAN

Uthpadon Briddhi Korbo, Shommiddho Desh Gorbo

## TEAM FORMATION

Team Formed: May 21, 2015

Total Members: 05

Business Unit: Matin Spinning Mills Ltd.

## PROJECT

Reduction of PC fault problem in suessen compact ring frame.

## PROBLEM STATEMENT

Improper air pressure in elite tube, not to keep the dust filter clean, dirty and faulty lattice apron

## SOLUTION

Rectify air pressure in elite tube, dust in filter, dirty and faulty lattice apron

## ACHIEVEMENT

■ Reduction of pc fault ■ Increased productivity ■ Improved quality

## NEXT PROJECT Reducing pneumafil wastage





# SURJO-KIRON

## TEAM SLOGAN

Amra sakti amra bol, unnoyoner dhara rakhbo sachal

## TEAM FORMATION

Team Formed: January 01, 2017

Total Members: 05

Business Unit: Matin Spinning Mills Ltd.

## PROJECT

To find out the reasons of waste gather in z-filter & solve

## PROBLEM STATEMENT

Dust jam, net block, flashing signal & others

## SOLUTION

Solenoid valve installation & manually dust removal by a separate hole

## ACHIEVEMENT

■ Economic benefited by production increasing & time savings ■ Reduced manpower and also found many intangible benefits

## NEXT PROJECT To reduce voltage drop of machine



# UDVABON

## TEAM SLOGAN

Korbocesta sobai mile, notun kisur udvabone

## TEAM FORMATION

Team Formed: November 05, 2016

Total Members: 05

Business Unit: Matin Spinning Mills Ltd.

## PROJECT

Less life time of radial ball bearing and to solve the problem

## PROBLEM STATEMENT

Empty bobbin conveyor belt jam, wheel damage of overhead cleaner

## SOLUTION

Modification of radial ball bearing

## ACHIEVEMENT

■ Spare parts saving

## NEXT PROJECT Reduce pneumafil

# USHAR ALO



## TEAM SLOGAN

Ponner Gunogoto Man Bojay Rakhbo, Shunam Orjon Korbo

## TEAM FORMATION

Team Formed: November 5, 2016

Total Members: 04

Business Unit: Matin Spinning Mills Ltd.

## PROJECT

Reducing hard waste

## PROBLEM STATEMENT

Double piecing, lack of awareness of operator

## SOLUTION

Proper training

## ACHIEVEMENT

■ Improved productivity ■ Improved quality

## NEXT PROJECT To increase the vortex machine apron life time



# ANIRBAN

## TEAM SLOGAN

Quality is the result of intelligent effort

## TEAM FORMATION

Team Formed: November 25, 2016

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Reducing shrinkage & spirality fail from 45% to 20 %

## PROBLEM STATEMENT

Before compactor shrinkage & spirality is not available, operator negligence & unskilled operator are the main reasons of the problem

## SOLUTION

Cut small piece of fabric from given batch then fold the fabric and mark the fabric by given template both length and width wise. Over locking the three sides of folded fabric. Keep lengthwise one side open. Need to check shrinkage & spirality by quick wash method, dry it in tumble dryer before compacting

## ACHIEVEMENT

■ Productivity & quality increased ■ Overhead cost decreased ■ Lead time saved thus increased profitability

## NEXT PROJECT Reducing GSM problem in the compacting

# CHIRONTON

## TEAM SLOGAN

Think green, reduce reprocess

## TEAM FORMATION

Team Formed: December 10, 2016

Total Members: 05

Business Unit: Hamza Textile Ltd.

## PROJECT

Avoiding grey fabric roll mix up by using barcode scanner to reduce reprocess from 13% to 5%



## PROBLEM STATEMENT

The problem occurred due to absence of barcode scanner device, absence of automatic fault detector, unauthorized passing of roll without sticker or mismatched roll, lack of training & awareness

## SOLUTION

Develop a software & introduce a barcode scanner device for scanning the roll. Also provide necessary training to enhance their skill & raise their awareness to use the device as well as software

## ACHIEVEMENT

■ Reduce the roll mismatch ■ Reprocess thus increase quality ■ Productivity as well as satisfy the customer

## NEXT PROJECT Segregate grey fabric in grey store using barcode scanner

# CREDENCE DYEING

## TEAM SLOGAN

Think & work together

## TEAM FORMATION

Team Formed: December 01, 2016

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Reducing fabric process loss at dyeing



## PROBLEM STATEMENT

The problem occurred due to excess sample cutting during dyeing, second time loading into machine for reprocess and excess processing during dyeing

## SOLUTION

Make sure during dyeing cutting the sample within 2 meters in length & from magnet roll. Before start dyeing take yarn test report & make sure dyeing recipe is prepared as per yarn brand and as per dyes lot. To reduce reprocess wrapping the nozzle reel of dyeing machine with fabrics. Finally, train people & raise awareness among in-charge, operator & helper to maintain dyeing parameter

## ACHIEVEMENT

■ Meet TOD (On time delivery schedule) ■ Increase productivity with expected quality ■ Save time & increase profitability

## NEXT PROJECT Shortening dyeing process

# DURJOY

## TEAM SLOGAN

Sustainable quality brings

## TEAM FORMATION

Team Formed: January 15, 2016

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Reducing enzyme dust problem in slitting m/c from 60% to 20%



## PROBLEM STATEMENT

Due to wrong roller setting, fabric does not go through wash tank so fabric cannot be washed properly and these are the main reasons of the problem

## SOLUTION

Changing the free roller position into wash tank with the help of maintenance dept. Is the only solution of this problem

## ACHIEVEMENT

- Total production increased by reducing faulty fabric so quality also increased
- Fabric dust problem is also reduced
- It also reduced water consumption thus save environment

## NEXT PROJECT Reducing wrong slitting

# SHOTOTA

## TEAM SLOGAN

Contribution to production by reducing waste.

## TEAM FORMATION

Team Formed: November 1, 2015

Total Members: 05

Business Unit: Thanbee Print World Ltd. (Knitting)

## PROJECT

Reducing yarn receiving time within one month through AYRP



## PROBLEM STATEMENT

Absence of yarn received plan, space capacity, unload recession methods change are the main reasons for occurring this problem

## SOLUTION

Advanced Yarn Receiving Schedule, LIFO/FIFO method apply. Yarn information By L/C PI P0 Plan for urgent yarn program. Unload team generate according to upcoming yarn quantity. Advance yarn unload space prepare for upcoming yarn.

## ACHIEVEMENT

- Reducing Yarn Receive time by 16%.

## NEXT PROJECT Reducing waste through warehouse development



# DYNAMIC



## TEAM SLOGAN

Increasing production

## TEAM FORMATION

Team Formed: January 01, 2017

Total Members: 05

Business Unit: Hamza Textile Ltd. (HTL)

## PROJECT

Reducing breakdown 20% to 10% improve efficiency of slitting machine

## PROBLEM STATEMENT

Slitting machine cutting knife sharpening problem, knife setting problem, grinding stone problem are main reasons of occurring this problem

## SOLUTION

Additional device setting in the lathe machine to sharpen the slitting machine cutting knife is the solution of this problem

## ACHIEVEMENT

■ Increase total machine running hours ■ Reduces machine breakdown thus increase productivity ■ Can maintain production time line

**NEXT PROJECT** Tube text open compacting m/c expending roller remove noise using belt pulley system instead of gear box scanner

# ECO WARRIORS



## TEAM SLOGAN

Less pollution is the best solution

## TEAM FORMATION

Team Formed: September 01, 2016

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Reducing power consumption up to 20% & improve the quality of waste water

## PROBLEM STATEMENT

Excess power consumption, machine breakdown & irregular maintenance are main reasons of this problem

## SOLUTION

Installation of Jet Aerator in equalization tank. Observation & follow-up on regular basis

## ACHIEVEMENT

■ Reduce power consumption ■ Treated effluent quantity ■ Also reduced total no of problem and accordingly reduced maintenance time

**NEXT PROJECT** Use flue gas from boiler to control the effluent PH of ETP

# FABULOUS

## TEAM SLOGAN

We set the quality standard

## TEAM FORMATION

Team Formed: June 28, 2016

Total Members: 04

Business Unit: DB Tex Ltd.

## PROJECT

Reducing delay retention time from 346 min to 150 min per day & production reprocess reduce from 1.3% To 0% for lack of essential data by using process integrated software system.



## PROBLEM STATEMENT

Required data unavailability, delay in pre-inspection, unloading, screen setting, screen wash & temperature fluctuation are the main causes of the problem

## SOLUTION

Develop process integrated software system in work area to analyze required data for every section by following process to process, such as; delay in working floor. Organize training for the software user to enhance their skill

## ACHIEVEMENT

■ Reduce delay retention time thus reduce production process time ■ Increase productivity

## NEXT PROJECT Reducing fabrics defects

# HAMZA RANGERS

## TEAM SLOGAN

Quality for sustainability

## TEAM FORMATION

Team Formed: August 01, 2016

Total Members: 04

Business Unit: Hamza Textile Ltd.

## PROJECT

Reducing "Hairy & Neps" In Dyeing Process From 29% to below 10%



## PROBLEM STATEMENT

Improper PH level, insufficient bio polishing agent run time and improper temperature are the main reason for the problem

## SOLUTION

Calibrate the PH meter on regular basis for improper PH level. Check PH of enzyme bath at regular basis & keep it at optimum level. Check bio polishing agent runtime & proceed as required for insufficient bio polishing agent run time. Provide necessary training & awareness program to operator & helper for up skill

## ACHIEVEMENT

■ Improve productivity & quality ■ Reduce lead time as well as cost



# INNOVATION

## TEAM SLOGAN

Quality is our first priority

## TEAM FORMATION

Team Formed: December 20, 2016

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Re-arrangement of shade Quality control & Minimization of shade approval time within 1 month



## PROBLEM STATEMENT

Lack of proper knowledge & awareness, wrong production set-up & unavailability of trolley are the prime reasons of this problem

## SOLUTION

Organize & conduct necessary training for supervisor, & helper to organize shade Quality control section. Maintain a register for each buyer that fabric is being finished at urgency basis. Prepare SOP & fix them in different sections to overcome wrong production set-up & make available trolley to overcome the problem

## ACHIEVEMENT

■ Reduce shade decision pending days & also reduced delay shade approval time thus increase productivity

## NEXT PROJECT Brush problem of fleece fabric

# PROGOTI

## TEAM SLOGAN

Innovative development

## TEAM FORMATION

Team Formed: November 10, 2016

Total Members: 06

Business Unit: Color City Ltd.

## PROJECT

Increase the KPI from 70% to 83% by reducing fail on fabric's extension & recovery from 54% to 10% within 2 months.



## PROBLEM STATEMENT

Wrong heat set parameter, wrong finishing parameter set-up & lack of knowledge are main reasons of this problem

## SOLUTION

Provide appropriate parameter (setting of diameter, over feed, temp & well time/speed of mc) according to grey diameter, GSM and machine diameter, gauge, yarn count in presetting & final finish and finally keep the fabric for proper conditioning after final finish. Train in-charge, supervisor & operator to maintain parameter. Maintain a register to write down batch to batch finish parameter and closely monitor the total process on regular basis

## ACHIEVEMENT

■ Increase productivity & quality of fabric thus meet the TOD ■ Increase customer satisfaction

## NEXT PROJECT Work on fabric GSM fail



# PROCHESTA

## TEAM SLOGAN

Unity is the key to achieve?

## TEAM FORMATION

Team Formed: August 15, 2016

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Reducing downtime of stenter machine as well as increasing production by using process integrated software system

## PROBLEM STATEMENT

Cleaning the net after stopping the machines is the main reason of increasing machine downtime.

## SOLUTION

Cleaning net by a vacuum cleaner while the machine is running is reduced the machine downtime. Provide necessary training to operator & helper to know how to use the vacuum cleaner are the solution of this problem

## ACHIEVEMENT

■ Reduce machine down time ■ Increase productivity thus increase profitability

## NEXT PROJECT Reducing high process loss of fabrics



# PROTTOY

## TEAM SLOGAN

Quality care is only fair

## TEAM FORMATION

Team Formed: January 08, 2017

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Reducing downtime of dryer machine due to incomplete prepared fabric from 11% to 2%

## PROBLEM STATEMENT

Incomplete prepared fabric due to fabric gets out from pinning wheel as no sewing machine after the slitting machine are the main reasons of this problem

## SOLUTION

Set-up a sewing machine after the two slitting machines can solve this problem

## ACHIEVEMENT

■ Reduced machine downtime increased productivity ■ Can meet the production time line

## NEXT PROJECT Reducing G.S.M. variation of the fabric



# RAINBOW

## TEAM SLOGAN

We Believe "Quality Never Quit"

## TEAM FORMATION

Team Formed: November 01, 2016

Total Members: 04

Business Unit: DB Tex Ltd.

## PROJECT

Increase production efficiency in rotary printing machine by using dummy screen

## PROBLEM STATEMENT

Fabric curling, fabric lifting, touching and unskilled manpower are main reasons for this problem

## SOLUTION

Setup dummy screening printing machine, provide training to operator & helper, timely checking and verifications are the solutions of this problem

## ACHIEVEMENT

■ Increase productivity ■ Quality and can meet the time line thus satisfy customer

## NEXT PROJECT Removing extractable heavy metal from printed fabric



# RENESA

## TEAM SLOGAN

Every production begins with quality

## TEAM FORMATION:

Team Formed: August 10, 2016

Total Members: 04

Business Unit: Hamza Washing Ltd.

## PROJECT

Reduce liquor in dip dyeing up to 20% (320 liters)

## PROBLEM STATEMENT

Unusable liquor storage in the drain line due to wrong design of dip dyeing machine is the main reason of this problem

## SOLUTION

Remove the drain storage of dip dyeing machine is the solution of this problem

## ACHIEVEMENT

■ Saving of water & chemical ■ Increase profitability & save environment

## NEXT PROJECT Capacity increase in dip dyeing

# RISING STAR



## TEAM SLOGAN

Take challenge do solution

## TEAM FORMATION

Team Formed: October 13, 2016

Total Members: 04

Business Unit: Color City Ltd.

## PROJECT

Reducing dyeing reprocess from 4% to 3% within two month

## PROBLEM STATEMENT

Improper process parameter such as temperature, paddler pressure, chemical type in dyeing process and no proper document on how to run the 1st batch, over confidence of dyeing in-charge and wrong ironing of sample by operator are main reasons of the problem

## SOLUTION

Keeping approved shade standard & process parameter for 1st batch and for the next batches. Preserve all the record in a record book. Maintain a register for approved shade. Train in-charge about light source requirement of buyer & also train operator about proper ironing of sample & monitor the process on regular basis

## ACHIEVEMENT

■ Reducing dyeing reprocess ensure delivery ■ Increase customer satisfaction

**NEXT PROJECT** To work on discontinuity of bulk to bulk RFT

# RUNNER



## TEAM SLOGAN

Everywhere quality, keep its integrity

## TEAM FORMATION

Team Formed: January 02, 2017

Total Members: 05

Business Unit: Textile Testing Services Ltd.

## PROJECT

Reducing customer complaints

## PROBLEM STATEMENT

Improper resource allocation, lack of training and backdated software are the main reasons of the problem

## SOLUTION

Purchase the updated method, provide training on updated method, installation of new software, purchase new equipment & calibrate the equipment on regular basis are the solutions of this method

## ACHIEVEMENT

■ Increase productivity ■ Increase test quantity & quality ■ Increase customer satisfaction ■ Customer retention rate increases

**NEXT PROJECT** Reducing variation of test result





# SPARK

## TEAM SLOGAN

Save for sustain

## TEAM FORMATION

Team Formed: October 01, 2016

Total Members: 04

Business Unit: DB Tex Ltd.

## PROJECT

Reducing slim bearing consumption of printing machine from 30% to 12% within 03 months

## PROBLEM STATEMENT

Absence of lubrication system in printing head of printing machine is the main cause of this problem

## SOLUTION

Create a lubrication point on printing head and fill appropriate amount of lubricant in the printing head through this point on regular basis. Monitor the lubrication process regularly is the solution of this problem

## ACHIEVEMENT

■ Reduce the slim bearing consumption ■ Reduce the machine breakdown thus increase productivity

## NEXT PROJECT Reduce blanket washing unit problem



# STAIR

## TEAM SLOGAN

Quality & SELF DEVELOPMENT IS OUR COMMITMENT

## TEAM FORMATION

Team Formed: August 01, 2015

Total Members: 04

Business Unit: Mymun Textiles Ltd.

## PROJECT

Reduction of rework to achieve quality from 3% to below 1%

## PROBLEM STATEMENT

No first bulk report, lack of awareness & machine breakdown are main reasons of this problem

## SOLUTION

Introduce first bulk report as SOP, organize & conduct training for floor in charge, supervisors & operators of machine maintenance must be done as per schedule.

## ACHIEVEMENT

■ Reduce rework quantity ■ Increase productivity & Profitability

## NEXT PROJECT Reduction of TOD failure



# SUPERSONIC

## TEAM SLOGAN

Increase efficiency, keep consistency

## TEAM FORMATION

Team Formed: October 26, 2016

Total Members: 05

Business Unit: Textile Testing Services Ltd.

## PROJECT

Reducing turn around time



## PROBLEM STATEMENT

Lack of proper utilization of time, delay report sending & delay sample login are the main reasons of the problem

## SOLUTION

Reduced service time to 4 days instead of 5 days in regular service through counselling with all section of TTSL. Trained up all technical in time management and introduced proper monitoring system

## ACHIEVEMENT

■ Reduced delay report sending ■ Save money & time thus increase profitability

## NEXT PROJECT Reducing test error

# UDOYON

## TEAM SLOGAN

উন্নত ব্যাচ ব্যবস্থাপনা আমাদের অঙ্গীকার

## TEAM FORMATION

Team Formed: August 03, 2016

Total Members: 05

Business Unit: Color City Ltd.

## PROJECT

ব্যাচ কার্ড এর ভুল তথ্য দূর করার জন্য একটি ত্রুটিমুক্ত ব্যবস্থাপনা তৈরী করা (ত্রুটি ১০% থেকে ৪ মাস এর মধ্যে ২%এ কমিয়ে আনা)।



## PROBLEM STATEMENT

ব্যাচ কার্ড এ ভুল তথ্যের কারণে ব্যাচ কার্ডের অসামঞ্জস্যতা এবং ব্যাচ কার্ড বুঝতে ভুল করার কারণে এই সমস্যার সৃষ্টি হয়েছে।

## SOLUTION:

অনলাইন ব্যাচ কার্ড চালু করা, ব্যাচ কার্ডে লেখা তথ্য সমূহ ঠিক আছে কিনা তা খতিয়ে দেখা, ব্যাচ কার্ডের তথ্য আদান-পাদান ঠিক আছে কিনা যাচাই করা এবং সকলকে ত্রুটিসম্পর্কে সচেতন করা

## ACHIEVEMENT

■ ব্যাচ কার্ড এর তথ্যে ভুলের পরিমাণ কমে আসে ■ ভুল তথ্যের ফলে পুনঃপ্রক্রিয়াজাতকরণ অনেক হ্রাস পায় ■ উৎপাদনশীলতা বৃদ্ধি পায়

# ASHAR ALO

## TEAM SLOGAN

Together everyone we achieve more

## TEAM FORMATION

Team Formed: July 1, 2016

Total Members: 04

Business Unit: Thanbee Print World Ltd.

## PROJECT

Reducing slim bearing consumption of printing machine from 30% to 12% within 03 months



## PROBLEM STATEMENT

Lack of awareness, table or machine not fixed according to buyer and improper planning

## SOLUTION

Arranging proper training of awareness, separate table or machine according to buyer and maintain proper planning

## ACHIEVEMENT

- Previously daily rejection 1.1% present daily rejection 0.72%
- It saved 9,360 taka per month
- Intangible benefits includes production smoothness
- Increased team spirit, speaking fluency of team members
- Increased teamwork capability

## NEXT PROJECT Reducing excessive color consumption

# DURBAR

## TEAM SLOGAN

Systemized work is the key to prosperity

## TEAM FORMATION

Team Formed: October 15, 2015

Total Members: 04

Business Unit: Thanbee Print World Ltd.

## PROJECT

Reduction of screen wastage



## PROBLEM STATEMENT

Printing screens are wasted due to different reasons. Major three problems are screen improper screen arrangement, random screen preparation and screen blockage

## SOLUTION

Proper arrangement of screen after labelling screens with sufficient information, record keeping for new screen preparation which reduced random screen preparation, water gun screen washing system and using color bucket cover to reduce screen blockage

## ACHIEVEMENT

- Solving major three problems reduced almost 69% of screen wastage according to 80-20% rule of pare to diagram
- It saved 70,600 taka per month
- Intangible benefits includes production smoothness
- Increased team spirit
- Increased teamwork capability

## NEXT PROJECT Developing better information transferring system

# EONIAN

## TEAM SLOGAN

Improvement never ends

## TEAM FORMATION

Team Formed: February 04, 2014

Total Members: 06

Business Unit: Thanbee Print World Ltd.

## PROJECT

Minimize delivery shortage



## PROBLEM STATEMENT

Shortage of print panel due to improper follow up, not to maintain documents & standardization

## SOLUTION

Improve bundle card counting system, proper cross-checking, training & motivation of bcm & receive-delivery supervisor & concern person

## ACHIEVEMENT

■ Reduced delivery shortage ■ Increased productivity ■ Reduced cost

## NEXT PROJECT Training unskilled operator to increase productivity

# INFINITY

## TEAM SLOGAN

Try and try, nothing is impossible

## TEAM FORMATION

Team Formed: December 1, 2016

Total Members: 05

Business Unit: Thanbee Print World Ltd.

## PROJECT

Reducing color spot and enhance productivity



## PROBLEM STATEMENT

Color spot is 15.29% of total printing problem

## SOLUTION

Modifying the existing system, taking some measurements, giving workers proper motivation

## ACHIEVEMENT

■ Color spot is reduced 15.29% To 7.23% ■ Production is increased 540pcs per day

# WANDERING MIND

## TEAM SLOGAN

Save time, save money

## TEAM FORMATION

Team Formed: June 16, 2016

Total Members: 05

Business Unit: Thanbee Print World Ltd.

## PROJECT

Process reduction of foil printing



## PROBLEM STATEMENT

Lengthy process of foil print due to double curing, one is before fusing & another is after fusing

## SOLUTION

Avoided first curing for one color foil print, proper train-up of the finishing persons i.e. Finishing supervisor, fusing operator

## ACHIEVEMENT

- Time saved 4.5Days for 68248pcs foil print order of puma buyer
- Two worker involve in curing in each shift
- total 4 worker can be utilized in different work to increase productivity, where as their average monthly salary 10,000tk/month

## NEXT PROJECT Minimizing physical & chemical test failure

# DURJOY

## TEAM SLOGAN

Khoroch komano uthpadon briddhi

## TEAM FORMATION

Team Formed: July 18, 2016

Total Members: 05

Business Unit: Dulal Brothers Ltd.

## PROJECT

Reducing knitting machine gate problem



## PROBLEM STATEMENT

Arranging meeting, brain storming, problem identification by different tools like PDCA, gant chart, cause effect diagram etc.

## SOLUTION

Taking decision to change the new ebonite insulating plate from previous insulating plate

## ACHIEVEMENT:

- Save money & time
- Increasing productivity by deduction of servicing time

## NEXT PROJECT Push button switch problem solving



# JOY



## TEAM SLOGAN

Dhokkhota barabo, opochoy komabo

## TEAM FORMATION

Team Formed: August 10, 2016

Total Member: 04

Business Unit: Jinnat Complex (Knitting)

## PROJECT

In the process of broken needle change saving time loss

## PROBLEM STATEMENT

In process of broken needle change, time loss rate was high

## SOLUTION

Training of changing broken needle operator need efficiency

## ACHIEVEMENT

■ Increased production as loss time was reduced ■ Workers are enjoying their work as they are not facing such needle man these kind of problem

## NEXT PROJECT Reducing knitting machine fabric setup problem

# NIRVIK



## TEAM SLOGAN

Amra shokti amra bol amra nobin torun bol

## FORMATION

Team Formed: October 9, 2016

Total Members: 05

Business Unit: Jinnat Fashions Limited (Knitting)

## PROJECT

Development of software based yarn and fabric delivery statuses by saving 2.5% decision time of knitting unit

## PROBLEM STATEMENT

By using manual system of yarn & fabric delivery a status report status making consumed huge time which effected in the decision time interval

## SOLUTION

Arrange weekly meeting and brainstorming, Logic Development, Transforming logic's into programming language, Troubleshooting discrepancies, Check where improvement is necessary

## ACHIEVEMENT

■ Reduction of lead time with cost saving

## NEXT PROJECT Reduction of plan confirmation delay





# OVIJAN

## TEAM SLOGAN

Start with quality, destination will be excellence

## TEAM FORMATION:

Team Formed: February 14, 2016

Total Members: 04

Business Unit: Jinnat Fashions Ltd.

## PROJECT

Improve knitting machine planning system

## PROBLEM STATEMENT

Improper machine planning happened when production planning was not done considering maximum utilization of the machine by proper distribution of the program and feasible execution of the plan

## SOLUTION

We developed a central machine planning system to reduce this problem. We also replaced all production entry tab by all in one PC & give training to the operators and supervisors

## ACHIEVEMENT

■ Increased productivity ■ Reduce lead-time ■ Save money for our company

## NEXT PROJECT Reduce lycra-drop problem



# RUN

**TEAM SLOGAN:** মান সম্মত উৎপাদন বৃদ্ধি

## TEAM FORMATION:

Team Formed: August 15, 2016

Total Member: 04

Business Unit: Jinnat Complex (Knitting)

## PROJECT

গোঁ কাপড়ে অয়েল স্পট।

## PROBLEM STATEMENT

মেশিনের অতিরিক্ত অয়েল, পুরাতন নজেল এবং মেশিনের চারপাশ ঠিক মত পরিষ্কার না করার কারণে গোঁ কাপড়ে অয়েল স্পট সমস্যার সৃষ্টি হয়

## SOLUTION

অতিরিক্ত অয়েল পুনরায় অয়েল ট্যাঙ্কে যাওয়ার ব্যবস্থা করা, পুরাতন নজেল এর দিকে খেয়াল রাখা যাতে সমস্যা দেখা দিলে পরিবর্তন করতে হবে এবং মেশিনের চারপাশ পরিষ্কার রাখার জন্য অপারেটর কে সচেতন করতে হবে

## ACHIEVEMENT:

■ গোঁ কাপড়ের গুণগত মান বৃদ্ধি ■ প্রতিষ্ঠানের আর্থিক সাশ্রয় ■ পরিষ্কার কর্ম পরিবেশ সৃষ্টি

## NEXT PROJECT ঘন ঘন প্রোগ্রাম পরিবর্তন এর সময় কমান।

# SHOFOLATA

## TEAM SLOGAN

The commitment of our team is to reduce the amount of rejection And increase the amount of production

## TEAM FORMATION

Team Formed: November 01, 2016

Total Members: 03

Business Unit: Jinnat Complex Ltd. (Yarn Store)

## PROJECT

Reducing problem line star problem in grey fabric



## PROBLEM STATEMENT

Failed to determine the correct parameters of needle during servicing, erosion of the latch of the needle & improper lighting in the machine are the main reasons for occurring this problem

## SOLUTION

For determining correct parameters of needle, giving proper training at a regular basis. Ensuring that huafu & mélange program are not allowed to run after setting new needle set. Need frequent use of energy light in the knitting machine to find out the line star problem

## ACHIEVEMENT

■ Rejection due to line star problem reduced up to optimum level ■ Productivity & quality also increased

## NEXT PROJECT Decrease the oil line problem in the knitting machine

# KAIZAN

## TEAM SLOGAN

Speed of the production is the policy of Kaizan team

## FORMATION

Team Formed: January 2, 2017

Total Members: 03

Business Unit: Flamingo Fashion Ltd-2

## PROJECT

BTM rib capacity improve



## PROBLEM STATEMENT

■ Man -unskilled, lack of training, BTM rib is not in sequel ■ Machine – manual adjustment, suddenly RPM change  
■ Material -lack of machine surround area ■ Method-operator take excess time for BTM RIB handling

## SOLUTION

■ Operator Scenically join btm rib ■ Combination of the sewing machine ■ Extra Box just beside on the machine table ■ Operator use this added box

## ACHIEVEMENT

■ Improved productivity ■ Best utilization of manpower

## NEXT PROJECT Reduces uncut thread

# NIPUN

## TEAM SLOGAN

Nipun doler ukti, somoyer opochoy thaka mokti, otpadone asbe sommirdi

## TEAM FORMATION:

Team Formed: November 25, 2016

Total Members: 03

Business Unit: Flamingo Fashion Ltd.-2

## PROJECT

Time reduce neck piping mark



## PROBLEM STATEMENT

- Man – operator piping mark by hand, lack of training, machine handling problem
- Material -more extra chalk use for mark
- Method- maximum time chalk broken

## SOLUTION

- Operator neck piping mark by attach chalk machine
- Combination of the sewing machine
- Attach chalk in machine

## ACHIEVEMENT

- Improved productivity
- Best utilization of manpower

## NEXT PROJECT Reduce broken stitch

# SODOKKHO

## TEAM SLOGAN

Savings of time and increasing of production rates

## TEAM FORMATION

Team Formed: December 15, 2016

Total Member: 04

Business Unit: Flamingo Fashion Ltd.

## PROJECT

Label join time reduce



## PROBLEM STATEMENT

- Man – operator take excess time to pick label
- Machine – operator take excess time for handling machine
- Material – label not arrange in box
- Method- take excess time for label attach after label cut

## SOLUTION

- Label use in right way after taking from box
- Combination of sewing machine in right way
- Label must arrange on the box
- Operator join the label after taking label from box

## ACHIEVEMENT

- Improved productivity
- Best utilization of manpower
- Improve work environment

## NEXT PROJECT Label join time reduce



# NOBODIGANTO

## TEAM SLOGAN

Save water, save environment

## TEAM FORMATION:

Team Formed: January 13, 2015

Total Member: 04

Business Unit: Hamza Washing Ltd.

## PROJECT

Reuse of water

## PROBLEM STATEMENT

Water is not restored, lack of machine facility and no establish system about water reuse are the main reasons of the problem

## SOLUTION

Make reserve tank to restore reusable water & make a standard operating procedure (SOP) to reuse water. Counselling with operators regarding reuse of water

## ACHIEVEMENT

■ Reduce wastage of water thus increase profitability ■ Save environment

## NEXT PROJECT Reduce consumption of softening agent



# PIONEER

## TEAM SLOGAN

Team work makes the dream work

## FORMATION

Team Formed: November 20, 2016

Total Members: 03

Business Unit: Jinnat Complex Ltd.

## PROJECT

Reducing fly contamination problem in yarn dyed fabric from 0.0162% To 0.005%

## PROBLEM STATEMENT

Excess hairiness of dyed yarn, improper machine cleaning and covering are the main reasons for this problem

## SOLUTION

For excess hairiness in dyed yarn, reducing short fiber using waxing process, increasing moisture & reducing friction between yarn & machine part. Raise awareness of operators are needed for machine cleaning & covering

## ACHIEVEMENT

■ Fly contamination reduced up to optimum level ■ Productivity & quality also increased





# AKOTA

## TEAM SLOGAN

আমরা হব একজোট, অপচয় এবার করব রোধ

## TEAM FORMATION:

Team Formed: April 6, 2016

Total Members: 02

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce scotch tape wastage in cutting section

## PROBLEM STATEMENT

Cutting is an important part of garments making process. Most important reason increase cutting cost & we get minimum output for this reason QC team took this a matter of concern

## SOLUTION

QC Circle Akota had taken the problem as a project. Team analysed the problem and found several causes for cutting cost. The most important cause was the weak method

## ACHIEVEMENT

■ This QC closely monitored scenario and found the following improvements ■ Simplified work process ■ Reduce the unnecessary operation ■ cost save

## NEXT PROJECT Bindle card mistake



# DIAMOND

## TEAM SLOGAN

ডি.বি.এল মোদের অহংকার ভালো কাজ মোদের অঙ্গিকার

## TEAM FORMATION:

Team Formed: June 20, 2015

Total Member: 04

Business Unit: Mawna Fashion Ltd.

## PROJECT

Knife sharpen is insufficient

## PROBLEM STATEMENT

In overlock machine we use knives. After few days of uses knives loses sharpness. For knife sharpen it requires available shaper. This process requires extra time for sharpening

## SOLUTION

For this we ensure extra knives by rotation basis.

## ACHIEVEMENT:

■ Improve productivity ■ Reduce cost

## NEXT PROJECT Reduce thread by overlock machine

# UNITY



## TEAM SLOGAN

Prevention is better than cure

## TEAM FORMATION

Team Formed: June 02, 2015

Total Members: 05

Business Unit: Mawna Fashion Ltd.

## PROJECT

Reduce problematic fabric return from cutting floor

## PROBLEM STATEMENT

During the time of receiving fabric in batch from the dyeing unit we had faced a lot of problem based on quality, floor space and also inspection process previously. We had found problem is in our inspection area i.e we had not enough space for quality inspection and relaxation

## SOLUTION

To reduce this problem we selected an idle space in Mawna Complex (old building) and made a central inspection room to reduce this problematic fabric return

## ACHIEVEMENT

■ After implementation this new inspection system we faced lack of problem based on quality ■ At this moment the quality passed batches are only sent to the cutting floor for cutting ■ That's why we can maximise our cutting room utilization and also get quality full cut panel than previous

## NEXT PROJECT Reduce spot from sticker machine

# DYEING DYNAMIC



## TEAM SLOGAN

Our prime goal is saving

## FORMATION

Team Formed: October 26, 2016

Total Members: 06

Business Unit: Color City Ltd.

## PROJECT

Inefficient soaping process for dark shade dyeing with reactive dyes

## PROBLEM STATEMENT

Use of inefficient soaping chemical, inadequate procedures to soap at below 80°C and lack of skill of operator & helper are main reasons for occurring the problem

## SOLUTION

Use a soaping chemical which performs at low temperature (65°C). Redesign Process procedures to make sure efficient condition of soaping bath, use low temperature soaping chemical along with efficient soaping bath condition and also provide skill based training to solve the problems

## ACHIEVEMENT

■ Reduced process time & increase productivity ■ Reduce operating cost & increase profitability  
■ Save energy & water

## NEXT PROJECT Inefficient reduction clearing after disperse dyeing



# PORIBORTON

## TEAM SLOGAN

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## TEAM FORMATION:

Team Formed: January 2, 2017

Total Members: 05

Business Unit: Flamingo Fashion Ltd. - 2

## PROJECT

Reducing piping wastage

## PROBLEM STATEMENT

■ Man- unskilled, lack of training, uneven cut, cutting without measurement ■ Take piping fabric without measurement ■ Machine- manual adjustment, guide change suddenly, suddenly RPM change ■ Material- hole, joint, written on one or both edge of the fabric ■ Method- worker unnecessary movement, didn't find the root cause, re-work

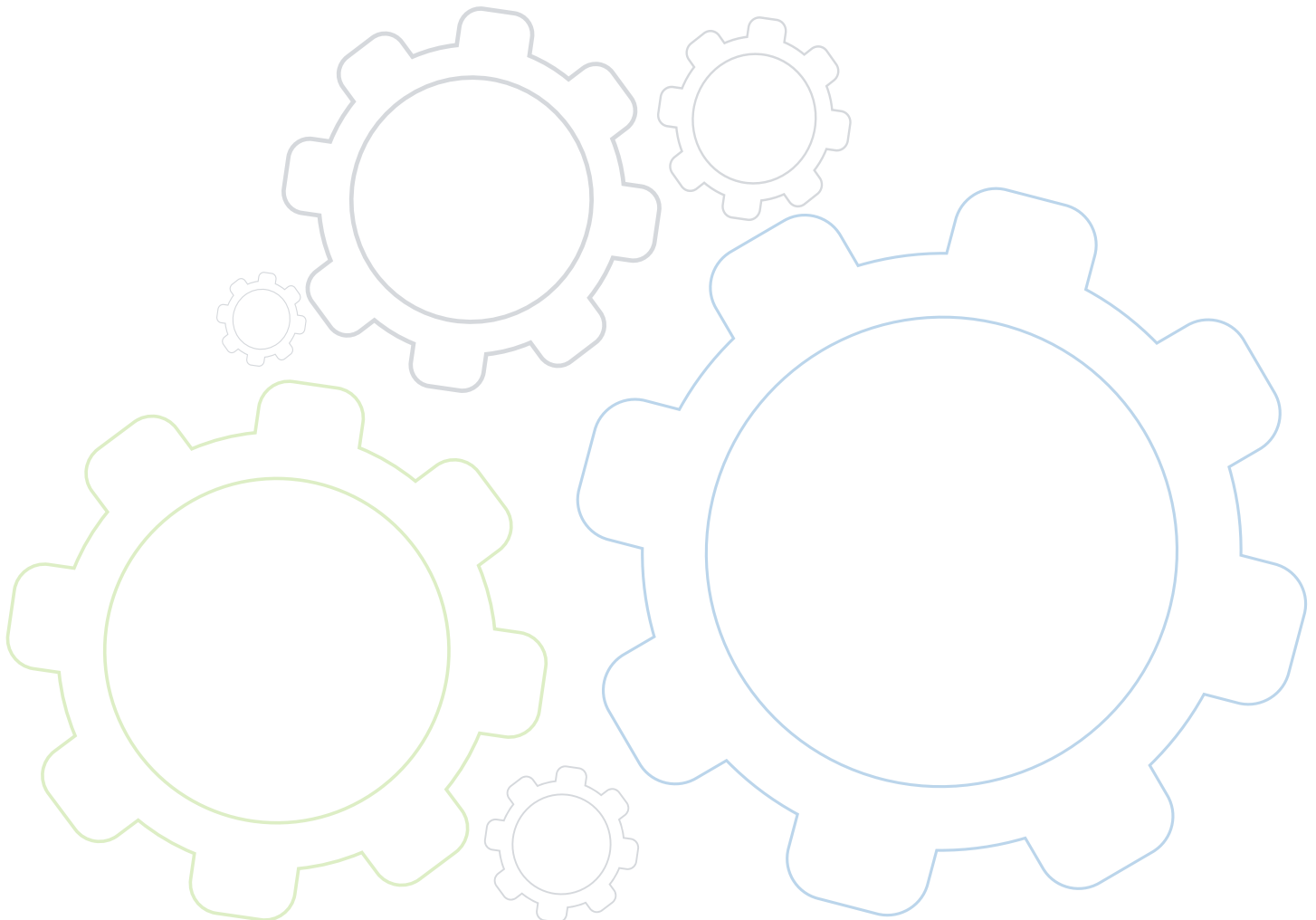
## SOLUTION

■ Inputman take the piping fabric from cutting according to measurement & weight ■ Roll the open dia fabric by overlock machine ■ Don't roll the open dia fabric by line plain machine ■ Place the knife & overlock machine near to each other

## ACHIEVEMENT

■ Saved transportation Time ■ Improved productivity ■ Save manpower (best utilization of manpower)

## NEXT PROJECT Reduce time wastage in style change over





# GALLERY



















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