



DMAIC Template

Universal Rob Inc. - Shampoo Costing / 16 Jun
2023 / Joan Mondra

Complete

Score	87.5%	Flagged items	1	Actions	1
Project Name	Universal Rob Inc. - Shampoo Costing				
Location	360 A.Luna St, Majayjay, Laguna, Philippines				
DMAIC Practitioner	Joan Mondra				
Conducted on	16.06.2023 14:30 PST				

Flagged items & Actions

1 flagged, 1 action

Flagged items

1 flagged, 0 actions

Inspection / DMAIC / Improve

Were potential improvements validated through pilot studies?

No

This is just an in-house management decision.

Other actions

1 action

Inspection / DMAIC / Analyze

Specify the sources of variation

- Different delivery days for each branch.
- Increased stocks from 80 boxes per month to 100 boxes

To Do | Assignee SafetyCulture Staff | Priority High | Due 23.06.2023 14:44 PST | Created by SafetyCulture Staff

Provide details

Hi Dirk, Kindly provide details of the inventory for the last 3months. Thanks

Inspection

1 flagged, 1 action, 87.5%

DMAIC

1 flagged, 1 action, 87.5%

Define

What are the project goals?

Identify why the costs have increased sharply for 3 branches.

List customer (internal and external) deliverables

- Hypemart (10 boxes weekly)
- Watermart (10 boxes monthly)
- Alphmart (5 boxes monthly)

Measure

100%

Is there a data collection plan developed to quantify the problem?

Yes

Is the current performance of the process determined through benchmarking?

Yes

Problem statement

The costs increased 20% higher compared to last year without creating more revenue.

Analyze

1 action

What are the performance objectives?

To identify the root cause of sudden increase in production cost

Identify value/non-value added process steps

Non-value: Transportation, Overproduction

Specify the sources of variation

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Provide details

Hi Dirk, Kindly provide details of the inventory for the last 3months. Thanks

Describe the few vital inputs in relation to the output

On average, it appears that inventory costs were 15% higher than in the previous year, among

other things due to 'older' stocks are left longer in the warehouse.

Root cause of the problem

On average, it appears that inventory costs were 15% higher than in the previous year, among other things due to 'older' stocks are left longer in the warehouse.

Improve

1 flagged, 75%

Potential solutions

Implement "no overtime" for employees to limit production time and cost.
Implement First In First Out (FIFO) process.

Are operating tolerances of the potential system well-defined?

Yes

Were design experiments performed?

Yes

Were potential improvements validated through pilot studies?

No

This is just an in-house management decision.

Were potential solutions assessed and re-evaluated?

Yes

Control

100%

What is the monitoring and control system in place?

Regular inventory checks for new and old stocks.
Re-arrange stocks according to production dates.

Was the statistical process control implemented?

Yes

Transfer plan (handoff to process owner)

Coordinate changes on delivery dates.

Were benefits, cost savings/avoidance & profit growth verified?

Yes

Completion

Additional recommendations

Monitor all changes, if there's a bigger impact on production costs.

Full Name and Signature of DMAIC Practitioner



Joan Mondra
16.06.2023 14:55 PST