

Assignment # (5)

Team No. المبدعون

Section: AAH Student Name(s):

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Work Self Assessed by _____ Assessment Symbol/Color _____ Date _____

Work Peer Assessed by _____ Assessment Symbol/Color _____ Date _____

Self Assessment				Checklist Items	Instructor Assessment	
YES	NO				Acceptable	Inacceptable
					1	0
Report Requirements						
YES		1		Is the the work assembled in the correct order (Checklist, Cover page, Table of contents, Expectations/Abstract, Introduction, Main Body, Conclusion, References, and Appendices)?		
YES		2		Is the work self assessed and the checklist completely filled?		
YES		3		Is the cover page informative and well formatted?		
YES		4		Is there a well formatted table of contents ?		
YES		5		Is there an Introduction at the beginning of the report?		
YES		6		Is there a Conclusion at the end of the report?		
YES		7		Is the Main Body of the report divided into sections with appropriate titles and subtitles using appropriate font for each?		
YES		8		Does a references section appear as the last page of the report?		
YES		9		Is there an attached, deeply filled, Process Check ?		
YES		10		Is there an informative footer (Assignment#, page# / no. of pages, and team # and members)?		
YES		11		Does each table have a number and a title , and is it mentioned in the text before it is placed?		
YES		12		Does each figure have a number and a caption , and is it mentioned in the text after it is placed?		
Graph Requirements						
YES		13		Does the graph have a reasonable size and format ?		
YES		14		Is there an appropriate, descriptive title or caption ?		
YES		15		Do both axes have descriptive titles (N.B. not a single letter) which include units ?		
YES		16		Are there labeled divisions (text or numbers) on the axes ?		
YES		17		If there is more than one chart line, is there a legend ?		
Total of items 1 to 17						

Self Assessment		Team Work Requirements If the work is a team work assignment, is each of the following items included? (included? (1 laps will be given for each missing item)	Instructor Assessment		
YES	NO		O.K.	Missing	
			No lapses	1 Laps	
YES		18	a. Well written Team Meetings' Minutes		
YES		19	b. Deemly filled Team Work Peer-to-Peer Assessment		
Final Grade					

Assessment Results	Grade	Resubm.	Lapses
1. Exceeds Expectations: Final Grade > 85	E	R	
2. Meets Expectations: 85 ≥ Final Grade ≥ 75	M	R	
3. Acceptable: 75 > Final Grade ≥ 60	AC	R	
4. Needs Improvement: 60 > Final Grade ≥ 50; the work has to be resubmitted within one week. The maximum grade after resubmission is AC.	NI	R	
5. No Credible Effort: Final Grade < 50, 1 laps; the work has to be resubmitted within one week. The maximum grade after resubmission is AC.	NCE	R	
6. Resubmission within one week is required for any Poor or Null in the checklist items from 26 to 37, no matter what the final grade is. One lapse is given for each unsatisfactory item and R is circled beside the			

grade. The grade remains as is after successful resubmission, otherwise it becomes an **NI**. Late resubmission results in one **lapse**. No more than **1 week** of lateness is allowed, otherwise an **NS** is given.



University of Jeddah (UJ)
College of Engineering
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Report # 5

Water shortage- provision of animal reserves

Submitted to: Associate Professor: Hani Shafeek

SECTION : AAH

Team # 4 - Group : المبدعون

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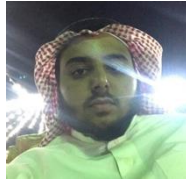
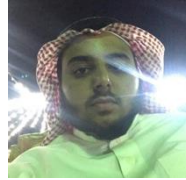


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Expectations

When you read this report about "Water shortage- provision of animal reserves"

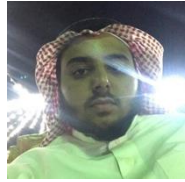
You will get to know the following:

Information and first look at our Suggested solutions
at Hydrating the animals



ABSTRACT

In this report, we will apply the tools in the fourth and fifth chapters and learn how to decide on the important work and steps, and classify problems and solve them according to their priority.



Introduction

As we discussed in the first report dehydration in animals' problems and the statics and how bad the situation was.

in this report we were going to look at some solutions to solve the problem in steps first by first,

and Prioritize the solutions on bases of impact, Efficiency, and time and cost.



1. Brainstorming

Nowadays, there are some solutions that available to help and protect thirsty animals and provide water to them. In this step has collected some solutions that will help animals to obtain water. For animals in cities Putting water in containers or big plates and distributed it in the streets of the city or collect the animals in specific place and give water to them or put receptacle under air conditioner to benefit from its water that it produced. Also for animals in deserts or jungles there are some solutions that provide to them to obtain water, make a big pond and fill it water every now and then. Disallow people light fire firewood in the places where animals are found because that may cause a burning trees and grasses and escape animals and they inability to obtain sources water.

1.1 Osborn's checklist

Adapt: make a special bowl and fill it with water and put it in the streets of city for animals.

Modify: putting bottles of plastic and fill it with water instead of glass or metal.

Substitute: collect all animal are found in city and put them in specified places.



1.2 other people views

Ahmed: use plastic bowl instead of glass or metal to drink animal.

Mohammed: solve problem with low cost.

Omar: benefit from water of air conditioner to drink animals.

Abdulaziz: collect animals found in city in specified place.

Professor: complete the project on time.

Animals: obtain water by easier way.

1.3 Futuring

The animals in cities are found too much but those can't to obtain water. so animals will die because their feeling thirsty, also animals are found in deserts and jungle may die because they can't to obtain water either because of burning trees or grasses which are close to water sources.

Now let us look at future what if this problem has solved, and what will be benefits for us and animals in future. Won't there any animals die because of thirst and won't there unpleasant smells as a result died animals. And what if in future has collected animals in specified place that is will be useful way to them to obtain water. For animals found in deserts and jungle, what if they have water source, such as build big pond and fill it with water to help them to obtain water, As a result animals will be able to living save animals life.

By: Mohammed Maqbool



Analogy and cross fertilization:

It is well documented that some of the most essential scientific development, Geometry, art and business return from cross pollination and symmetry with different specialties. After using the comparisons, we take a look at what they look like.

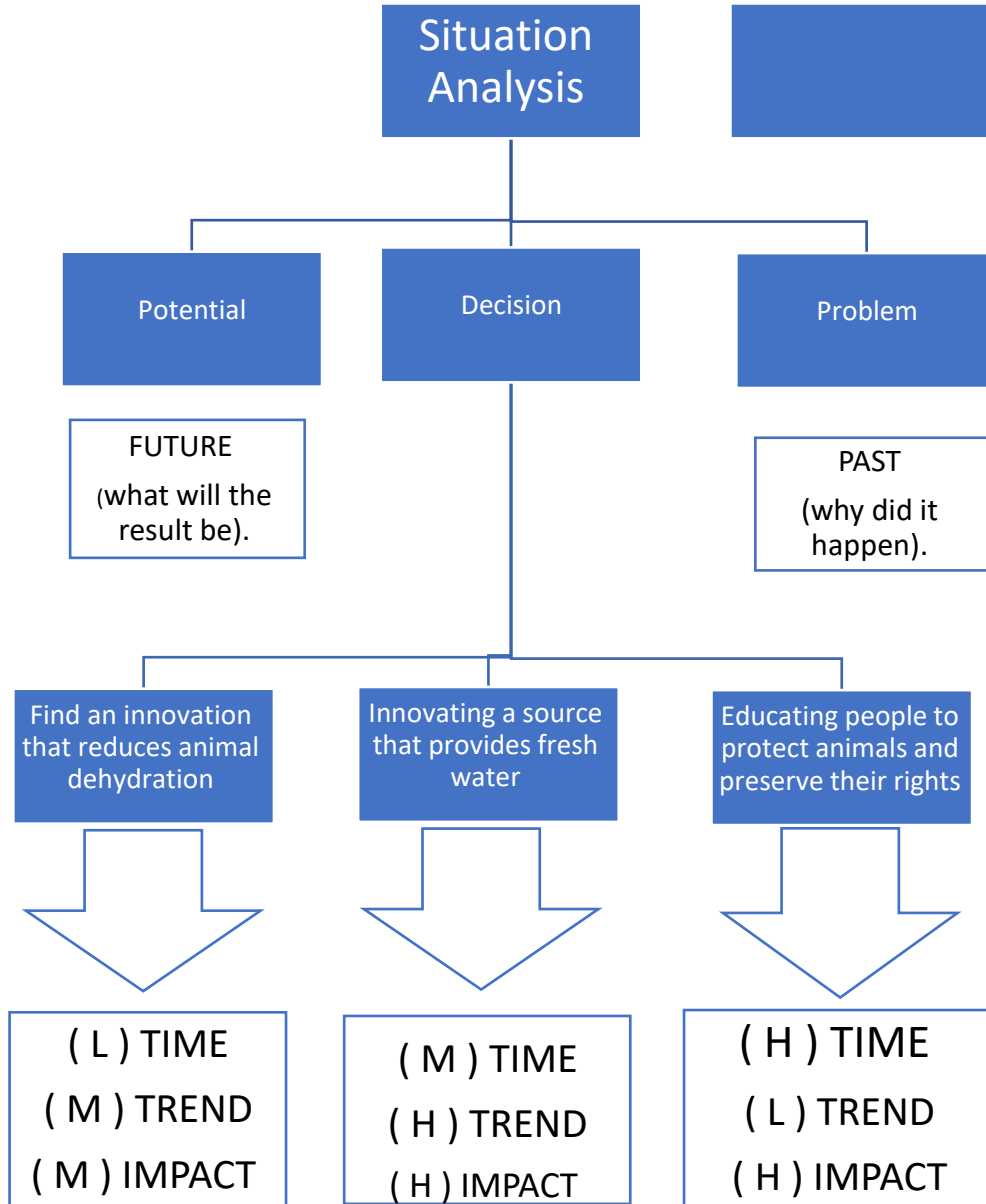
Attitudes / problems in various related and irrelevant areas. idea generation by analogy it works well for many people.

There are four steps you can use to solve problems by analogy:

- 1-state the problem.
- 2-generation comparisons (this defect is like trying...).
- 3-measurement solution.
- 4-transferring the answer to the topic.



5.1 SITUATION ANALYSIS AND EVALUATION CRITERIA



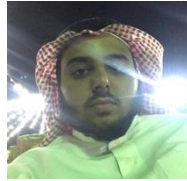


Abdulaziz Alshehri 1944994

Decision and potential problems

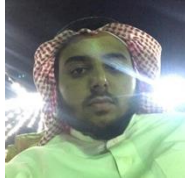
Before placing plastic containers filled with water in parks and public places, there must be some decisions that must be taken, and let this work be not contrary to the regulations set by the city municipality and to have licenses as well, the plastic materials have certain standards such as that they bear heat. The high output from the sun and the water used is suitable for drinking.

There may be potential problems such as contamination of water or the vessels falling from their place by taking preventive measures, which is to have an employee supervising these vessels so that there is a periodic change of the water inside the vessels also the vessels are well fixed on the ground so that they do not fall from an animal or from winds. The containers shall be designed to not allow dirt and dust to enter the water.



Conclusion

At the end, in this report we analyzed and classify the problems and solutions and the available options to solve the animal water problem and its impact and the potential problems could come across our solutions.



References

1. <https://www.google.com.sa/amp/s/www.emaratallyoum.com/online/editors-choice/2017-07-29-1.1014977%3fot=ot.AMPPageLayout>
2. <https://journals.physiology.org/doi/abs/10.1152/ajplegacy.1954.179.1.104?journalCode=ajplegacy>