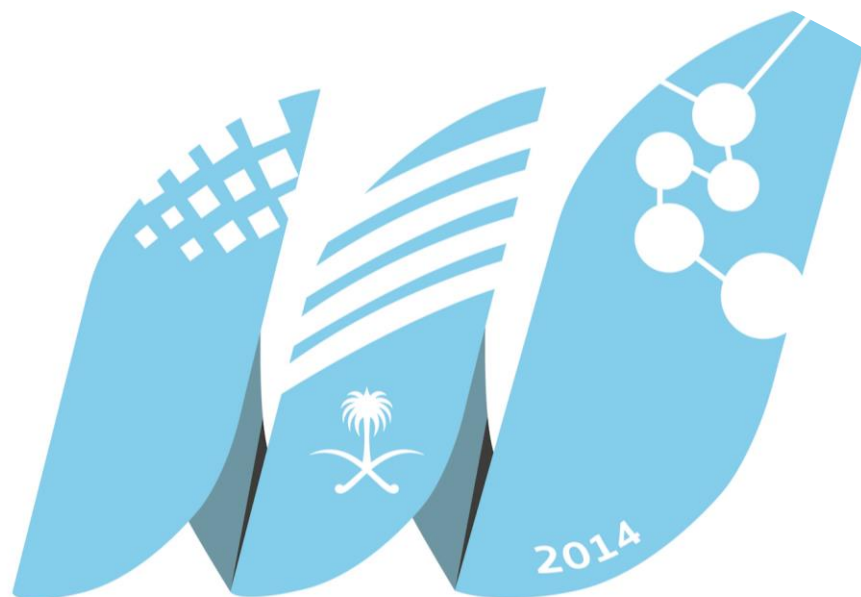


Presentation



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Evaluation Chapter 7

Section: A •

ENIE-202 •

Dr: Hani Shafeek •

Group: 4 •

Group Members:

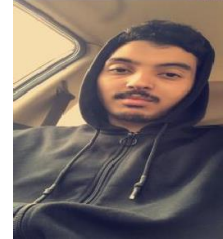
Yazeed Mohammed Alshehri. 1945116 : DI .(rotanidrooc)



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Table of Content

**1) 7.1 GENERAL
GUIDELINES.**

**2) 7.2 ETHICAL
CONSIDERATIONS.**

**3) 7.3 SAFETY
CONSIDERATIONS.**

**4) Use the evaluation
checklist to make sure
you have.**

**5) Use the Ethics Check
List and the Five P 's to
make sure your decision
/solution is ethical.**

7.1 GENERAL GUIDELINES



Yazeed Alshehri

Evaluation should be an *ongoing* process throughout the life of a project.

- Look for any fallacies in logic that might have occurred, especially at key decision points during the project.
- Challenge the various assumptions that were made.
- Evaluate future directions in light of the results of each phase to verify that the direction we are proceeding in is still the correct one.

7.1 GENERAL GUIDELINES



Yazeed Alshehri

Evaluation Checklist

1. Have you challenged the information and assumptions provided?
2. Does the solution solve the real problem?
3. Is the problem permanently solved, or is this a patchwork solution?
4. Does the solution have impact?
5. Have all the consequences of the solution been examined?
6. Have you argued both sides-the positive and the negative?
7. Has the solution accomplished all it could?
8. Is the solution economically efficient and justifiable?
9. Have the “customers” been surveyed to see if the solution meets all their needs?
10. Is the solution economically, environmentally, and politically responsible and safe?

7.1 GENERAL GUIDELINES



Yazeed Alshehri

The McMaster Five-Point Strategy gives the following checklist for examining proposed solutions:

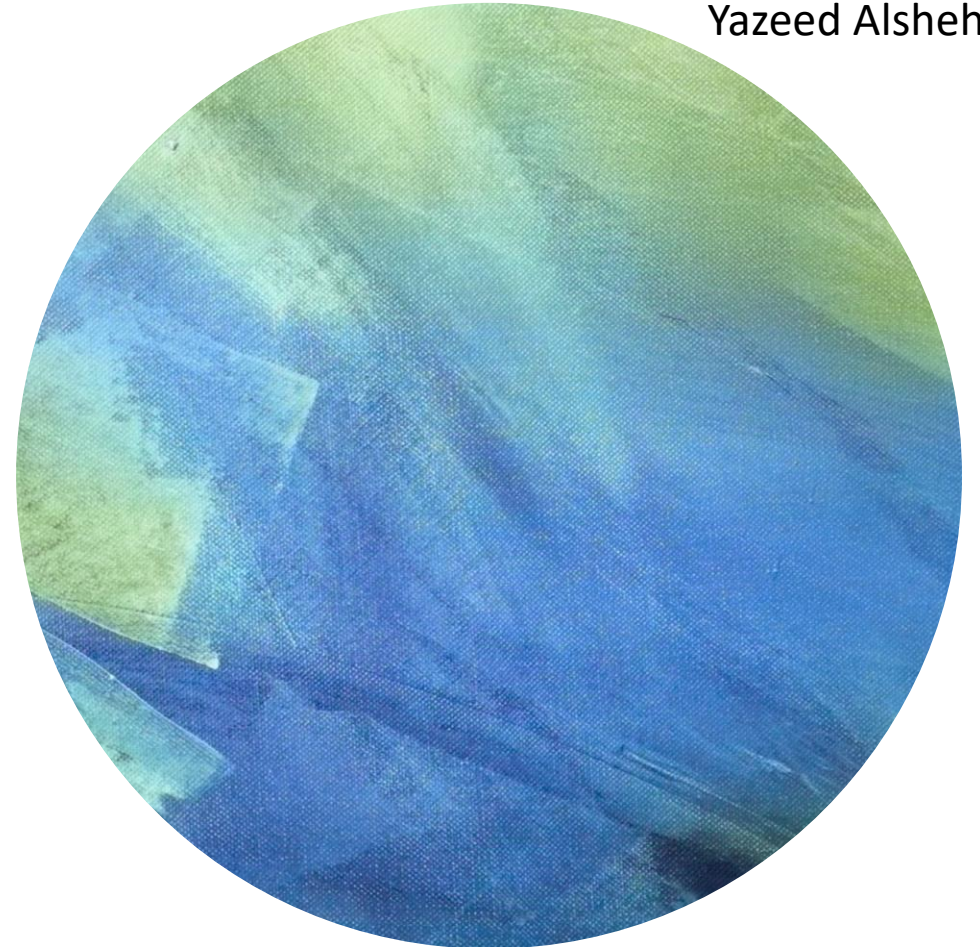
1-Check that the solution is blunder-free.

2-Check the reasonableness of results.

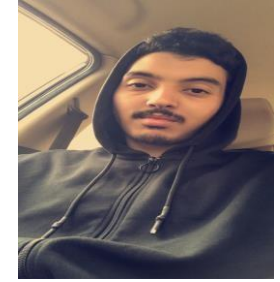
3-Check that criteria and constraints are satisfied.

4-Check the procedure and logic of your arguments

5-Check to see if there is a piece of the puzzle that doesn't fit and consequently may require the entire solution to be redone



7.2 ETHICAL CONSIDERATIONS



Omar Ahmed

- Part of the evaluation process includes reviewing all facets of the solution to ensure that an ethical solution is in place.
- **The “Ethics Check”** Quls it legal? Will I be violating either civil law or company policy?
- **estions¹:**
 - Is it balanced? Is it fair to all concerned in the short term as well as the long term?
 - Does it promote win-win relationships?
 - How will it make me feel about myself? Will it make me proud? Would I feel good





Abdullah Bagar

7.2 ETHICAL CONSIDERATIONS

Purpose:	What is the objective for which you are striving? Are you comfortable with that as your purpose? Does your purpose hold up when you look at yourself in the mirror?
Pride:	Can you take pride in the solution you have developed? Is there any false pride or self-doubt involved?
Patience:	Have you taken the time to think through all the ramifications of your solution?
Persistence:	Are you sticking to your guns and not being dissuaded by other demands? Have you given up too soon on finding a solution that is fair and balanced to all concerned?
Perspective:	Have you taken the time to focus inside yourself to be sure everything fits with your ideals and beliefs? How does the solution fit into the “Big Picture?”



Yazeed Alabade

7.3 SAFETY CONSIDERATIONS

- One of the most important parts of the evaluation process is to make sure the proposed solution is safe to both humans as well as to the environment. Carrying out a Potential Problem Analysis or Hazard Operations Analysis (HAZOP) is helpful to make sure you have considered all aspects of the solution that might prevent it from being safe.



Ahmed Asiri

Use the evaluation checklist to make sure you have



Challenged information and assumptions.



Solved the real problem.



Examined all consequences of the solution.



A solution that is logical, ethical, safe, and environmentally responsible.



Ahmed Asiri

**Use the Ethics
Check List and
the Five P 's to
make sure your
decision /
solution is ethical**

Purpose.



Pride.



Patience.

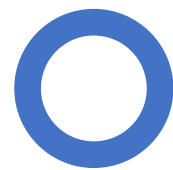


Persistence.



Perspective.

Thank You For Listening



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