Find a problem	Analyse Problem	Choose Solving Style	Generate Ideas	Select and Implement Solution	Barriers and Communication
Problem form co-op	Gather Data	Base on deadline, budget, and team	Individual and group	Use the Weight Matrix Comparison	Avoid:
Technical Problem	Determine causes	composition, choose one of the below	Brainstorm	method to compare	Making assumptionsemotional

Problem caused by high Determine problem cost owners & stakeholders

From newspaper,

articles or FACTIVA.

Identify and manage risks

Draw FISHBONE diagram.

Convergent:

- Low risk, low medium cost, direct, effective, but lack of creativity and not comprehensive.

Divergent:

- Requires a lot of time and attempts, expensive as well, but comprehensive, creative and potentially very effective.

Mind maps

Relax & Play!

Visual Thinking

The Disney Creative Strategy

TRIZ

(For the last 2, visit

https://learn.uwaterloo .ca/content/enforced/ 195353-PD6 082 cel 1155/lecture-content /unit-05/unit-05instructor-presentatio n/index.htm?ou=195 **353**

method to compare possible solutions

Break down the best solution into 3 or more steps, fill in each step with clear instructions. State the timelines. resources, people, and costs needed.

(Example, visit

https://learn.uwaterloo .ca/content/enforced/ 195353-PD6 082 cel 1155/lecture-content/ unit-06/unit-06-instr uctor-presentation/ind ex.htm?ou=195353

Choose a back-up solution.

- emotional
- egocentric thinking
- poor communication

Understand:

- Individual culture
- Workplace culture

Report:

- Social and physical Barriers
- Management style
- Distractions
- Lack of Resources

A difficult conversation is needed: download the Managing Difficult Conversations Worksheet (RTF) from

https://learn.uwaterloo.c a/d2l/le/content/195353 /viewContent/1181366 /View

PD6 provides students with the skills and knowledge needed to effectively solve problems. Students identify who they are as problem solvers and develop their problem-solving skills through personal reflection and case studies. Before taking PD6, I approached problems without analyzing it comprehensively, coming up of one or two possible solutions, and rarely have a detailed plan of how to implement the solution. This course has improved my problem-solving skills through a series of instructional videos. These videos provide an introduction to different problem solving tools, such as the Fishbone Diagram, Weight-Matrix Comparison, The Disney Creative Strategy, and Step-by-Step Implementation Plan. Upon successful completion of this course, I have developed a new and improved problem-solving action plan. This plan has several steps:

- identify and research exceptional problems;
- analyze a problem by identifying the causes, stakeholders, and risks associated with the problem;
- use either divergent or convergent problem solving style;
- generate creative solutions to a problem;
- apply decision-making tools(weight-matrix comparison) to possible solutions in order to identify the best solution;
- monitor and revise a solution;
- create an implementation plan;
- identify and minimize the impact of potential barriers to problem solving;
- and plan for a difficult conversation.