



CSE5PM

Workshop 8, Week 9

Semester 1, 2024

Week 9

- Quality**
- Stakeholder**
- Group reflection template**
- Project meeting in groups**



Quality Management

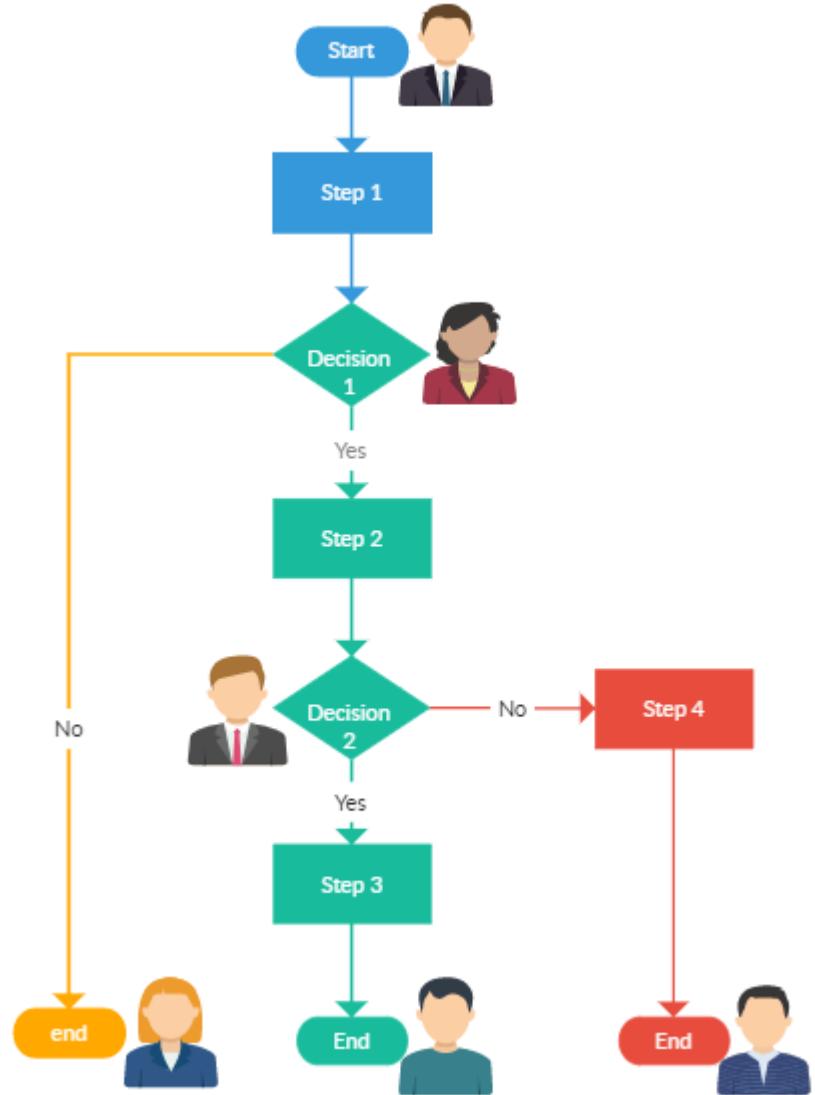
- What are your organisations policies regarding quality policies, objectives and responsibilities?
- How can you ensure that your project:
 - Aligns with these policies and procedures, and
 - Meets any quality objectives specified for your project?

Quality Assurance Flowchart

Flowcharts show the logical steps in a process and how various elements within a system are related. They can be used to determine and analyse potential problems in quality planning and quality control.

The system, or process, flowchart is probably the one that people are most familiar with. This type of flowchart outlines the logical steps to complete a process.

By documenting these logical steps, the team can identify where quality problems might occur and then develop approaches to proactively manage them. Flowcharting also helps create a process that is repeatable.



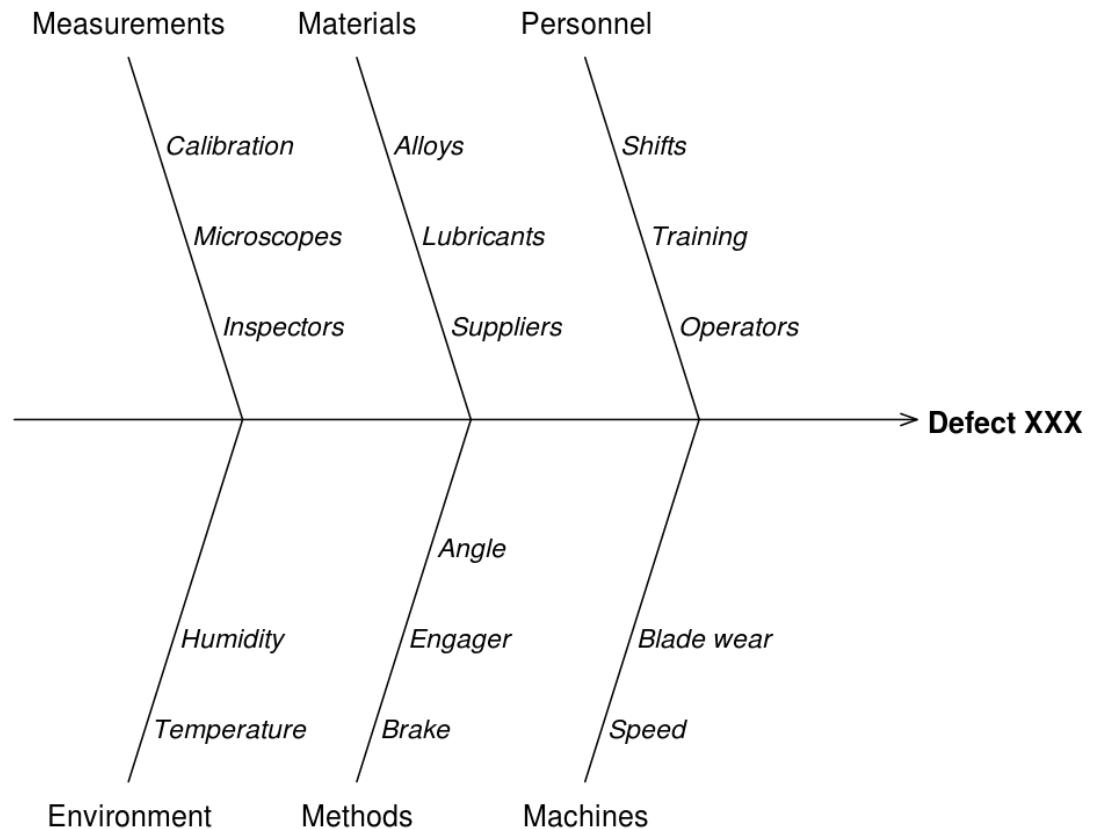
Source:
<https://creately.com/diagram/example/j20af6gl4/Flowchart+Template+with+Multiple+Ends>

Cause and Effect Diagram

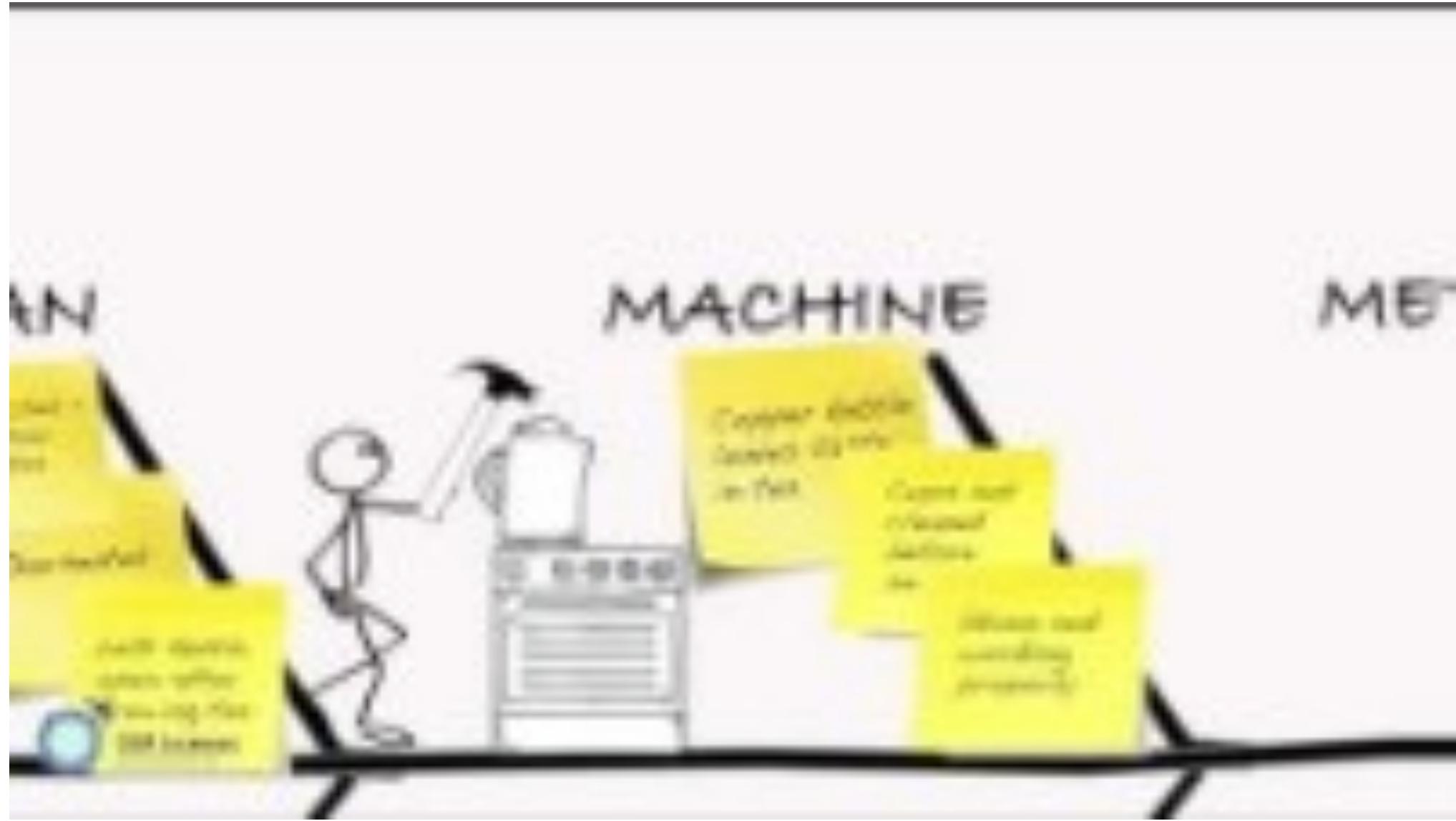
Cause-and-effect diagrams, or Ishikawa diagrams, were developed by Kaoru Ishikawa to illustrate and help determine how various factors relate to potential problems.

Cause-and-effect diagrams are also called fishbone diagrams because they resemble the skeleton of a fish. The head of the fish is the effect and each bone of the fish is a cause that leads to that effect. The bones can branch off into smaller bones as you determine the lower level cause-effect relationships. When all the bones are filled in, the diagram lets you look at all the possible causes (individual or combinations) of the effect (or problem) so that you can develop a solution to mitigate that effect. The diagram allows organized thought and encourages orderly consideration of the factors that result in a certain outcome.

Factors contributing to defect XXX



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<https://commons.wikimedia.org/w/index.php?curid=9401181>



Workshop case study: Green Farmers Inc.

Green Farmers Inc. is a group of five (5) farmers in country New South Wales that are trying to grow food using sustainable practices.

Due to the recent drought season, it has become very crucial for them to keep track of their water storage and usage for both the farm and the animals. These farmers usually have a large 50,000L steel water tanks that they use for irrigation purposes.

Their organization recently received funding from the government to boost their sustainable agriculture and help them export their products to different countries. The group has decided to invest most of this money in new technology.

They have decided to build an IoT based system to track their daily/weekly/monthly water levels in these tanks and give them real-time updates on their usage and when the water in the tank goes below certain threshold level.

One of them is an agricultural specialist with extensive knowledge on crops. One of them is an Electronic Engineer, one of them is an IT engineer and the other one specializes in customer relationships.

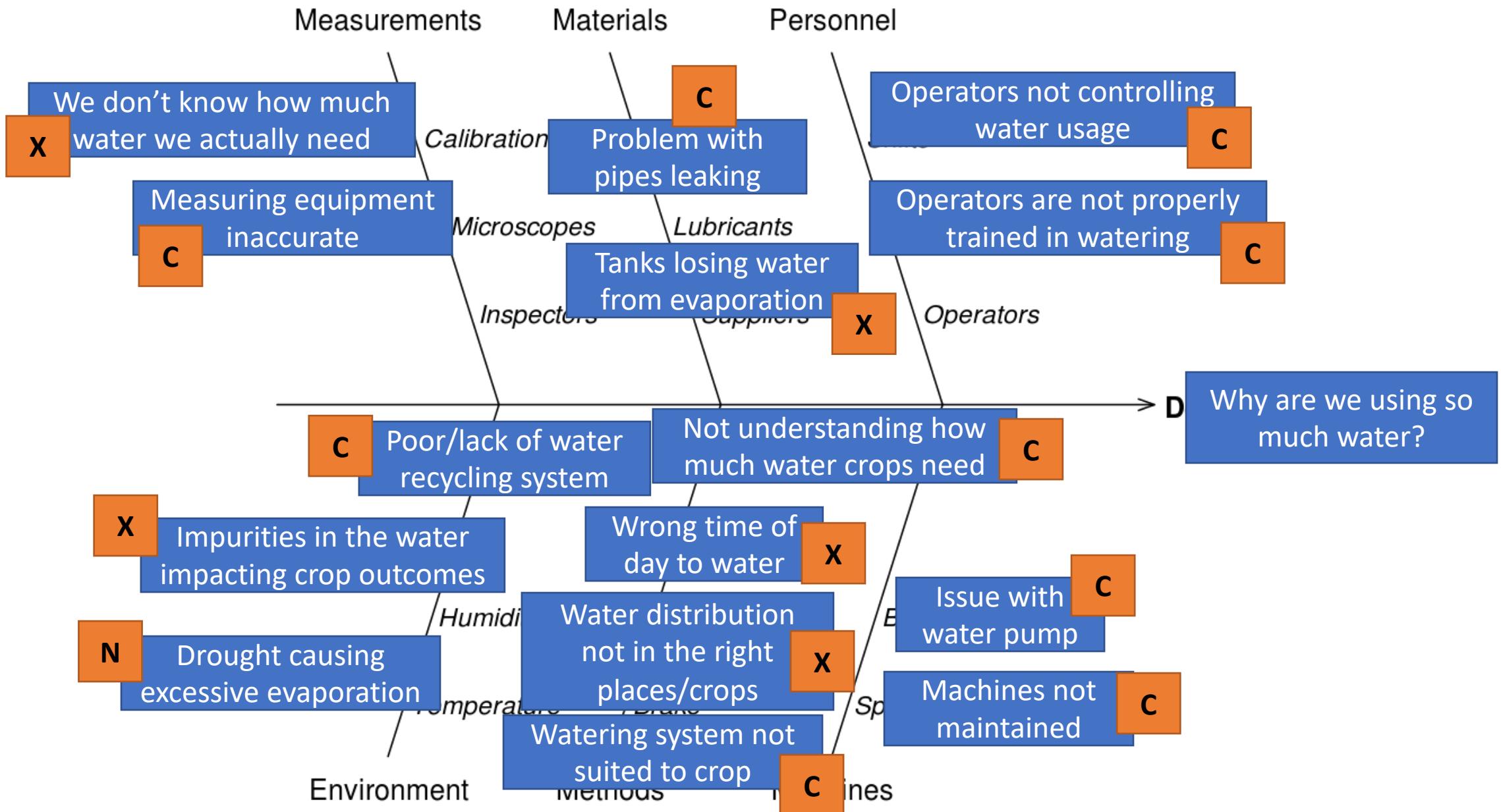
Task 1: Cause and Effect, and Quality Assurance Flowchart

1. Create a cause-and-effect diagram for the case study

Use any online tool to help build this or you can just use word/powerpoint/publisher.

Creately.com has both formats.

Factors contributing to water waste



Stakeholders Register

A stakeholder register includes basic information on stakeholders.
It includes:

- **Identification information:**
 - The stakeholders' names, positions, locations, roles in the project, and contact information
- **Assessment information:**
 - The stakeholders' major requirements and expectations, potential influences, and phases of the project in which stakeholders have the most interest
- **Stakeholder classification:**
 - Is the stakeholder internal or external to the organization?
 - Is the stakeholder a supporter of the project or resistant to it?

Stakeholder Register

Group reflection 1

- Due 13th May 11:59 pm
- One group reflection per team
- To be submitted on LMS by every member from the team
- Template available on LMS under assessment section
- Word limit – Part A 800 words per team. Part B is 150 words per student.

Group reflection 1 template

Refer on LMS

Project meeting time