***Assignment 6***



Name:

FCU ID:

Team number:

**Topic of this class: Team reflection**

Team-based reflection is an important element for self/team understanding. Team reflection is an excellent process to developing team assessment skills and quality improvement. Each member takes a turn recounting a key event, accepting feedback and analyzing it, making assumptions and connections, and formulating questions that emerge in the process.

If you can combine the right information at the right time and in the right context with your team, you have all the ingredients for success.

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| **Learning objectives:**  *New abilities:*   * **UC03:** Define systems or processes with mathematical models with simulation results. * **UC04:** Calculate efficiency of a system, product, or process as it relates to cost, energy, or other engineering factors.   *Review what you learn before:*   * **ET03:** Justify graphical representation based on data characteristics. * **ET04:** Prepare chart or table for technical presentation with proper formatting (headers, units, meaningful decimal points, appropriately scaled axes, appropriately sized marker and axis labels). * **ET05:** Create a histogram with meaningful number of bins and width/sizes. * **DA01:** Describe, with calculations, the central tendency of data using descriptive statistics (mean, median, and mode). * **DA02:** Describe, with calculations, variability of data using statistical methods (standard deviation, variance). * **DA03:** Make accurate comparisons across groups with explicit reference to data. * **DA04:** Given independent and dependent variables, interpret or predict the performance of a solution. * **DA05:** Given two variables, describe the relationship and/or calculate the strength of the correlation between these variables. * **DA06:** Interpret the distribution of data in a graph * **PC01:** Use professional communication (written, visual, and oral), free of grammatical or spelling mistakes and in a formal tone, appropriate for engineering school and workplace. * **PC02:** Make clear and complete arguments or statements by fully addressing all parts of the assignment. * **SQ01:** Use accurate, scientific, mathematical, and/or technical concepts, units, and/or data in solutions. * **SQ02:** Justify design solution based on how well it meets criteria and constraints. * **UC01:** Demonstrate an understanding of conservation principles (mass, energy, momentum, and/or charge) in a boundary system. * **UC02:** Describe systems or processes using schematic diagrams with inputs, outputs, and accumulations. * **PA01:** Identify strengths and limitations in one’s problem solving/design approach.   ***You will be graded on completion of the above objectives!*** |

1. **Individual activity: Self-reflection.**

Before discuss with your teammates, review your own actions during the time limitation quiz, including:

1. What happened during the experience?
2. How did I feel and what were my reactions?
3. What insights or conclusions can I draw from the experience?
4. What actions can I take based on what I learned?

**Answer columns:**

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| * 1. **What happened during the experience?** |
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| * 1. **How did I feel and what were my reactions?** |
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| * 1. **What insights or conclusions can I draw from the experience?** |
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| * 1. **What actions can I take based on what I learned?** |
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1. **Team activity: Team-reflection.**

Based on teammates’ and your self-reflection, invite team members to share their reflections one-by-one. Encourage them to go deeper into thoughts and feelings, not just read out what they have in their notebooks. During the team discussion, try to conclude your problems, and write a reflection report about how to ameliorate your teamwork. By doing this activity as a team, it is believed that your team is now on the first step toward success.

**Answer columns:**

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| * 1. **Our shortcomings** |
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| * 1. **How to improve ourselves** |
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1. **Individual contributions**

Individually, each team member should describe his/her contributions to these activities.

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| **Team member name** | **Team members’ contribution to the team activities above** |
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