
Re-Engineering

Regina Engineering Competition

Team Composition

The Re-Engineering team will be comprised of a maximum of two competitors. All members of team must be a student enrolled in the Faculty of Engineering at the University of Regina.

Procedure

1. Presentation of Problem

The problem must be presented to all competitors and judges at the beginning of the competition. The competition director must provide detailed explanations of what is expected from the competitors, both orally and in writing.

Competitors have fifteen (15) minutes to ask the competition director any questions they may have. This takes place during the competition briefing, after the presentation of the problem.

2. Development of the Solution

The teams will have four to five (4 - 5) hours to develop their solution, produce all required deliverables, and prepare their presentation for the judges. All the deliverables must be submitted to the competition director before the allotted time expires. Competitors may finish before the end of the allotted time.

3. Presentation and Tests

Competitors have fifteen (15) minutes to present their designs. All team members must be present and participate in the presentation or be penalized by the judges. The judges then have a maximum of ten (10) minutes to ask questions.

Deliverables

Each team is required to submit, electronically, before the end of the design period, a presentation and report about their design before the end of the design period. The requirements of the presentation and design will be outlined in the problem design package.

Team #0

Team Member #1

Team Member #2

Overview

Reengineering is taking an engineering concept and improving on its design. Whether improving on its original function or adding functions. Re-engineering is based on innovation.

Resources

Facilities Required

- 1 amphitheater (presentations)
- 1 workroom per team (design)
- 1 competition/testing space

Equipment Provided

During Design

- Materials and/or tools specific to the design problem
- Digital storage to submit presentation

During Presentation

- 1 digital projector
- 1 computer with presentation preloaded
- 1 table
- White board(s) or blackboards

Equipment that may be brought

- Any textbooks, course notes or other reference material
- Up to one extra laptops (to make a total of four laptops)
- Custom presentation templates

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Assessment and Judging

- The panel must have an odd number of judges.
- The panel must a minimum of three (3) judges.
- The assessment shall be carried out in the audience's presence.

Judging Matrix

Solution	55%	<input type="text"/>
Proposed changes (utility, originality, etc.)		
Technical Feasibility and Materials Choice		
Impact of Changes		
Commercialization (ability to commercialize product)		
Presentation delivery		
Report	15%	<input type="text"/>
Clarity, Writing Style, Professionalism		
Presentation	30%	<input type="text"/>
Voice, articulation and time		
Visual aids		
Innovation		
Lack of Sufficient Citation	-25%	<input type="text"/>
Total	100%	<input type="text"/>

Judge's Name.....

Notes
