



ENGWEEK 2022

Hackathon

Presented by: GirlsWhoCodeMcGill

Engineering And Computer Science Association of Concordia (ECA)

Last Updated:

March 21st, 2022

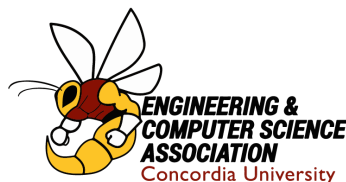
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[Introduction & Themes](#)

[General Rules and Definitions](#)

[Definitions](#)

[Eligibility](#)

[Team Composition](#)

[Language](#)

[DISCORD - MANDATORY](#)

[Procedure/Timeline](#)

[Competition](#)

[Day 1 - Saturday, March 26th](#)

[Day 2 - Sunday, March 27th](#)

[Deliverables](#)

[Presentation](#)

[Code Submission](#)

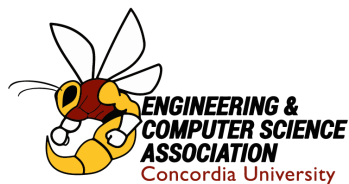
[Response to Questions](#)

[Presentation Period](#)

[Assessment](#)

[Judging Matrix](#)

[Awards](#)



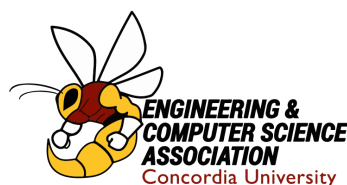
1. Introduction & Themes

This Hackathon is organized for the annual ENGWEEK 2022. Given the current pandemic, this competition will be held online through Discord and Zoom.

Please read the rules below carefully. Abiding by the rules is necessary, and participants will be faced with consequences if violated which are also stated below. Any questions or concerns can be directed to competitions@ecaconcordia.ca, or the Q&A channel on Discord.

This hackathon is based on **3 main themes**, your problem and solution should be directed towards these themes. You can focus only on one, or you can try to incorporate a combination of them:

- Health
- Education
- Media



2. General Rules and Definitions

a. Definitions

- i. “The Engineering and Computer Science Association of Concordia” will henceforth be referred to as ECA.
- ii. “GirlsWhoCodeMcGill” will be referred to as the GWC McGill.
- iii. “The students registered to the ENGWEEK 2022 Hackathon” will be referred to as the participants.

b. Eligibility

- i. Participants must be enrolled as Concordia University Undergraduate students or McGill University Undergraduate students.
- ii. The VP Competitions may grant exceptions to the guidelines set out in this rulebook while honoring the spirit of these guidelines.

c. Team Composition

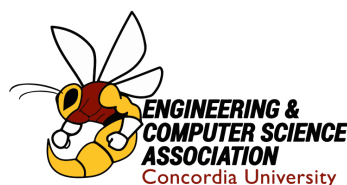
- i. Each Hackathon team will consist of a maximum of four (4) competitors.

d. Language

- i. The presentation and any presentation materials should be done in English.

e. DISCORD - MANDATORY

- i. At least one of your team members should be in the discord, all of the communication will be done through discord!
- ii. You have specific team channels for you in discord, however, you are not required to use them.
- iii. <https://discord.gg/jR5KVF33yU>



3. Procedure/Timeline

a. Competition

i. Day 1 - Saturday, March 26th

1. The development period starts at **11 am**.
2. Throughout the day, there will be speakers, the zoom links for these will be announced in the discord!
3. There are networking channels available to all in the discord, so you can join and chat with your peers!
4. **THIS IS AN OVERNIGHT COMPETITION!**

ii. Day 2 - Sunday, March 27th

1. The development period ends at **9 am**. Your deliverables should be submitted at this point!
2. The presentation schedule will be announced at **9:30 am**!
3. The presentations will start at **11 am**, the presentation schedule will be available on **Discord**!

b. Deliverables

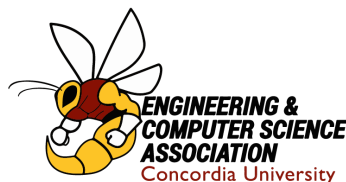
Each team should submit, before the end of the solution development period at **9 AM sharp on Sunday, March 27th**, via <https://forms.gle/EjuTEda4T2jTqL2V9>

i. Presentation

1. All teams are required to submit a .pdf file for their presentation. Some topics of discussion can include the following:
 - a. Problem Statement
 - b. Algorithm Explanation
 - c. Problems Encountered - Resolution
 - d. Quick Demo
 - e. What did you learn?
 - f. Future Improvements

ii. Code Submission

1. The entirety of the code with all of the files and libraries required for it to function correctly should be zipped and submitted as a .zip file.

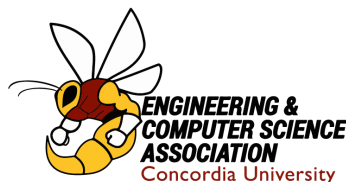


c. Response to Questions

- i. There will be mentors available to help you with questions from 11 am to 8 pm on Saturday, March 26th in Discord.
- ii. During the design phase, only questions related to deliverable content shall be answered. No answers shall be provided in response to questions about the problem that might lead to the development of a new approach or which might invalidate a solution.
- iii. During the design phase, answers to questions shall be provided in writing (through the Q&A channel) to all teams at the same time. Fifteen (15) minutes may be allowed to elapse for a significant number of questions accumulated before responses are provided. A copy of the responses must be provided to the judges prior to the presentations.

d. Presentation Period

- i. The presentation and Q&A period will last 10 minutes for each team followed by a 5 minute Judge's Deliberation period.
- ii. This 10 minute period will be separated into two:
 1. **First 5 minutes:** You will be **presenting your solution** to the judges.
 2. **Second 5 minutes:** Judges will be able to **ask any questions** regarding your solution and presentation.



4. Assessment

a. Judging Matrix

Item	Score
Problem Statement + Usefulness <ul style="list-style-type: none">- Does the problem fit in any of the themes?- How creative and critical the issue is?	Out of 10
Innovation and originality <ul style="list-style-type: none">- Does the product introduce a new approach or perspective toward the initial problem?	Out of 10
Functionality of the product <ul style="list-style-type: none">- Is the product robust- Is it easy to interact with- Is it functioning as expected	Out of 10
Extensionability <ul style="list-style-type: none">- Can the product/idea be expanded in future?	Out of 10
Design (Code quality + Design Decisions)	Out of 10
Presentation quality	Out of 5
Total Score	55

b. Awards

- i. There will be various awards for different categories:
 1. 1st Place
 2. 2nd Place
 3. 3rd Place
 4. Most Creative Idea
 5. Best Design
 6. Best Realistic Capability

