Bugs' Capstone

Project Idea:

SOS mobile application is multi-modalities which strengthens steps of emergency's announcement, response time, and response efficiency.

Main scenarios:

- Medical emergency "Independent patient".
- Medical emergency "Dependent patient".
- Fire emergency.(stove, dyer in a house)
- Car accident.
- Building collapse.(difficult, it belongs to disaster)

Project Background:

Why? Technology has grown more advanced than ever, with all the power and capabilities of an individual's mobile device, it should be deployed to save his life in serious situations by all means. We are looking to dedicate a rescue algorithm for each different scenario, and take advantage of the patient's medical history in the process.

Our main users will be those of a younger age, as they will be the ones capable of handling a mobile device, yet we will also concentrate on the older ages and ways to make it easier for them to use our application.

We will develop the project mainly to operate in Saskatchewan, then add more features in later MVPs.

This application will be developed by using Flutter to be available on IOS and Android mobile devices. We expect to take advantage of the following:

- Accelerometer "Sensor"
- Gyroscope "Sensor"
- GPS "Sensor"
- Sound Sensor
- Bluetooth
- Voice / Video Call
- Streaming technologies
- First Aid Volunteers

With minimal dependencies on the following factors:

- Artificial Intelligence
- Financial elements
- Other users of our application

What we may need:

- Help from healthcare / emergency workers in Saskatchewan