



## Tell us what your idea is.

---

*This app is basically SOS app, which helps everyone at a time of distress, most of the time current available solution doesn't work technically because user might not be able to open device due to screen lock or due to weak access to device, i.e. sometimes user don't have access to his device or device is not nearby to user, So basically we can setup user's preferred voice signal recorded by self as distress signal, as well as this system will recognize the pattern of distress by surrounding noise and user's panic voice.*

## Tell us how you plan on bringing it to life.

---

*Describe where your project is, how you could use Google's help in the endeavor, and how you plan on using On-Device ML technology to bring the concept to life. The best submissions have a great idea combined with a concrete path of where you plan on going, which should include:*

- (1) any potential sample code you've already written,
  - *I haven't started working on the project. I have been Learning all the technologies from Machine Learning to Android Development. To speed up the process, I have included some friends with common interests. We really hope to solve the problem and hope to make this product widely accessible. In future, we would be glad if this system gets integrated with play service and google assistant to do the work.*
  - Sample code will be written in Android,*
  - I found that Firebase MLkit is very accurate to do such work, which will allow us to use tensorflow-light model on android client very easily.*
  - Which wouldn't always require an internet connection, but to send distress signal to emergency contact we will require at least cellular network and cellular charges may apply as per network.*
- (2) a list of the ways you could use Google's help,
  - *Assign us a Mentor for the project*
  - *Some software could be made free for experimenting purposes*
  - *Help us reach a wide audience*
  - *Help in spreading the technology to every part of the world and make it feasible*
  - *Data set for the project*



- *Make it a part of Play services and google assistant*
- (3) *as well as the timeline on how you plan on bringing it to life by May 1, 2020.*
  - **By 15th December 2019 :**
    - Project structuring and setup*
    - Android Application beta model*
    - Research and Learning*
  - **31st December 2019**
    - Finalising the best possible method for the application*
    - Data sample acquiring/generating and cleaning*
    - Documenting and Training Models*
  - **January 2020**
    - Development and ML integration*
  - **February 2020**
    - Development and UI/UX designs*
  - **March 2020**
    - Testing and Beta Program*
  - **April 2020**
    - Testing and Deployment*

## Tell us about you.

---

Hello ! I am Santosh Gaikar, Android Developer at HaikuJam Technologies Pvt Ltd.

I love android, I have nearly 4+ years industrial experience in android.

I have worked on BLE, android IOT projects in past, currently i am working on HaikuJam app which is a collaborative writing social app, which allows strangers write together.