

Team: 27

Members:

Abdoul Aziz Diallo
Collins, Michael Timothy
Tanishka Shah
Priyal Chauhan
Kevin Andrew Carlson
Chloe K Thornton

Project Name: Every Mind Matters (E2M)

Project Synopsis:

App designed to provide supplementary mental-health resources. It includes a chatbot to counsel people with suicidal thoughts, a social network and an emergency alert device.

Project Description:

The national suicide prevention hotline needs volunteers for their local/state offices. These volunteers are trained for calls, and a few decide to also do texting. They can have many trainees at a time, but a few come, and a smaller number of those people stay. The goal is to help assist the people running those centers and reduce their workload. We strongly believe that a well built and trained AI chatbot can handle the texting part to later be trained for voice. The second part of our project is a social network for people with mental health issues. It is proven that social media amplifies stress and depression for most people. There are also many people who use those platforms to target people with mental health. We want to make an exclusive network for those people where they can connect, relate, and share their stories, coping mechanisms, and resources for support. This network will be protected by rules and regulations that prevent trolling or harmful messages. Our last item is a measure in the awareness, prevention, and intervention in situations of rape and abuse. We want to make a small device that, when pressed (button) in a specified sequence, can notify a user's emergency contacts by phone call, to get their attention, and a text message with the user's location so that help can be sent their way as quickly as possible.

Project Milestones:

Semester 1:

1. Research algorithms and requirements for all 3 parts – 10/1/21
2. Plan interfaces and UI/UX - 10/15/21
3. Initial coding - 10/29/21
4. Connect frontend and backend-11/26/21

Semester 2:

- 1) Build and train chatbot on cloud - 3/14/2021
- 2) Complete design of the Social Network - 3/14/2021
- 3) Finish Coding of physical device for Emergency Alert - 3/14/2021
- 4) Launch of social network and Chatbot on mobile app - 4/15/2021
- 5) Add Device management UI on the mobile app - 4/15/2021

Project Budget:

Cloud platform:

- AWS - \$10/month for hosting

Board for Emergency Alert:

- Device: \$15 – Beetle
- Battery: \$8 - LiPo

Case/cover/packageing of board for easy carriage (small and discrete):

- 3D print – free

IOS

- Swift - free

Project development schedule:

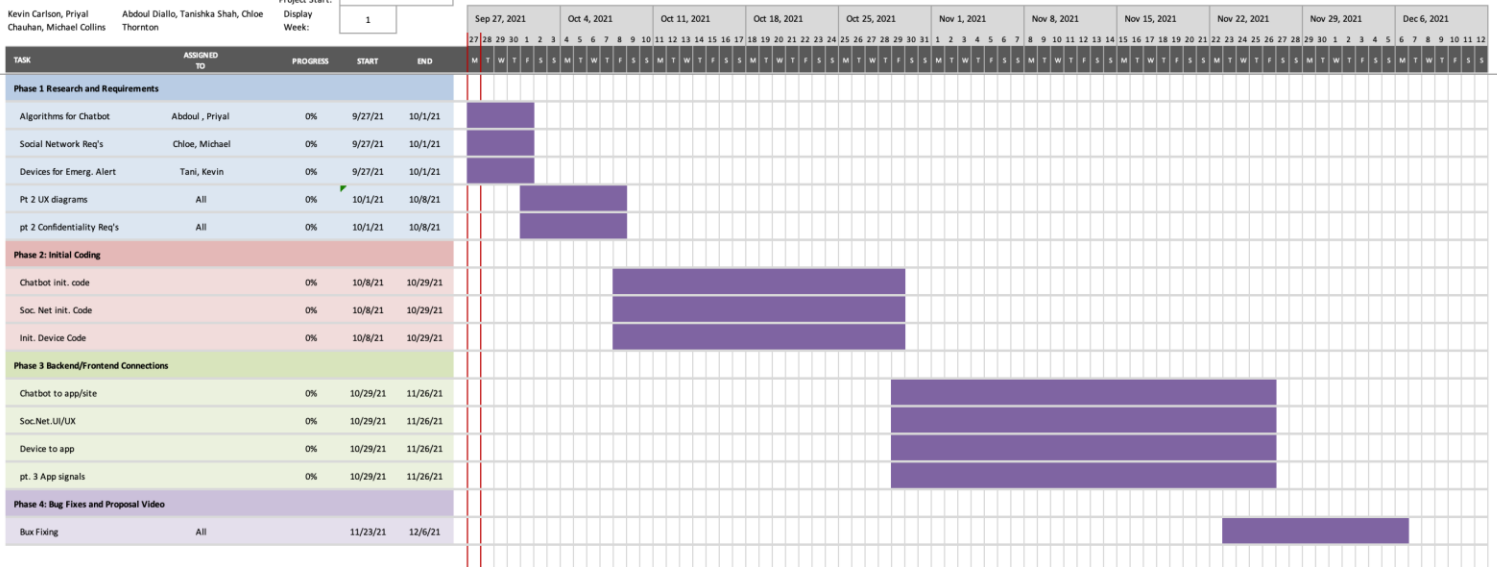
Every Mind Matters

Team Number: 27
Project Managers:

Kevin Carlson, Priyal Chauhan, Michael Collins
Abdoul Diallo, Tanishka Shah, Chloe Thornton

Project Start: Mon, 9/27/2021
Display Week: 1

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Chauhan, Michael Collins

Project Start:
Display
Week:

Mon, 1/24/2022
1

