ECE Capstone program  
Spring 2020  
Project Abstract & Info

Please provide the following information to be shared with on capstone information exchange platform:

1. **Project number**: S20-03

2. **Project title (as will appear on the poster)**: Text – to – Braille Converter

3. **Team members**: Erika Jean-Pierre, Sumedha Mendiratta, Maham Aslam, Tiyon King

4. **Adviser(s) name(s)**: Wade Trappe

5. **Up to 5 keywords that will help to classify the project scope**: Accessibility, Raspberry pi, Electrical, Software.

6. **Project abstract (up to 250 words) to be shared with judges**:
For our project we decided to focus on Accessibility. Accessibility is the quality of being easily understood or appreciated, of being easy to obtain or use, of being able to be reached or entered. A Lot of companies today are always looking for how they can make their product more accessible to and for everyone. For our capstone we are focusing on making products more accessible for people who are blind and or deaf. The problem addressed is how people with blindness use smartphones today. In this day and age most people text, however if you are blind you can't read these texts or reply in a timely fashion. Because of this we decided to make a text to braille converter starting with simple phone text messages and hoping to get larger for emails and things as such. The objective of the project is to awareness to accessibility and make a social impact on our community.