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Opportunity Statements

1. Develop an application with an external sensor (Air Quality Breakout Board - CCS811) that allows any user to detect the concentrations of mold spores in the air for closed spaces.
2. Develop an application with an external sensor (ThalmicMyo Gesture Recogniser) that allows any user to use their gesture to control some features on PowerPoint.
3. Develop an application with an external sensor (SparkFunOpenPIR Motion Sensor), set on top of a baby's crib, which allows parents to get notified when their child is inany dangerous sleeping positions.
4. Develop an application with an external sensor (Gravity Analog Turbidity Sensor), placed at the nozzle of a faucet,which allows any user to know the concentration of microplastics and other pollutants in the water.
5. Develop an application with an external sensor (CJMCU-6701 GSR Skin Sensor Module Sensor) which checks the heartrate and when it is not normal, it calls the emergency.
6. Develop an application with an external sensor (SparkFunOpenPIR Motion Sensor) to detect a movement outside an empty household (proximity alert), it then turns on an alarm system and locks the doors.

Evaluation of the Opportunity Statements

Criteria for Evaluation

- Extra-Curricular Knowledge
- Feasibility
- Market Growth
- Usefulness
- Minimal Development Time

Weights for Criteria

- Weight of Affordability = 2 / 10 //Inverse Relation
- Weight of Feasibility = 9 / 10
- Weight of Market Growth = 5 / 10
- Weight of Usefulness = 10 /10
- Minimal Development Time =8 / 10 //Inverse Relation

EVALUATION	Extra-Curricular Knowledge	Feasibility	Market Growth	Usefulness	Minimal Development time	
Weights	2	9	5	10	8	
Statement 1	2	4	10	10	2	206
Statement 2	7	5	10	10	5	249
Statement 3	8	8	6	6	8	242
Statement 4	5	7	8	7	7	239
Statement 5	8	8	6	6	8	242
Statement 6	3	5	9	8	2	192

Mission Statement

Product Name: Magic-Hand

Brief statement:

The application is used to facilitate presentations by allowing the user to access some features of some presentation software such as PowerPointwith simple gestures.

Benefit Proposition:

The app allows the presenter to have better accessibility and focus on the contents of their presentation by allowing the user to fluidly change slides without the necessity of getting close to the computer, thus giving the user the ability to personalize their movements to their needs.

Key business goals:

For the creation of the application, there is going to be 5 software developers working around 20-25 hours per weekat an hourly wage of 25 dollars. In order to keep the application available on the Play Store, we would have to pay around 25 dollars monthly. The implementation of the application will take roughly two months resulting in a total cost of 7000$. If each sensor costs 300$, the product will be sold at a price of 600$. After selling at least 24 units, we will break even with the total money spent.

Target Market:

Our application is aimed towards students, teachers, professors and businesses who use presentation software as a mean to improve their own presentations.

Assumptions:

1. The sensor should be comfortable for the user to wear .
2. Improve presentation fluidity and quality.
3. The app offers more features than what is currently on the market
4. The user uses an Android device.

Constraints:

1. Much research must be done to acquire the knowledge to complete the product.
2. Mobile application must be complete by December 4th, 2019.
3. Mobile application must be complete in 4 Sprints.

Stakeholders:

1. Students
2. Teachers
3. Employees of any business organizations

Statement on Remote Meetings

We would appreciate if our meetings were done in person rather than remote.