

## Application Submitted

1. Project Name: Smoking track device

2. Team member:

Name	Student E-Mail Address	Personal E-mail Address	Phone number	Current Year in school	Major	Primary contact
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Ganesh Ramani	<a href="mailto:Ganesh_Ramani@student.uml.edu">Ganesh_Ramani@student.uml.edu</a>			1	Computer Science	

3. Advisor(s)/Mentor(s): (Optional):

Name	E-mail Address	Affiliation

4. Questions:

a. Describe your idea/project:

Design a wearable device can monitor of breathing and hand gesture to mouth to detect smoking. The device can provide data to a Quit Smoking App to help smoking people make quit plan and monitor quitting plan.

b. What type of issue/problem does your idea/project address?

According to the Center of Disease Control and Prevention (CDC), cigarettes contain over 7,000 chemicals, and about 70 of those can cause cancer. Smoking also causes heart disease, chronic obstructive pulmonary disease (COPD), respiratory problems, fertility issues, and more.

Quitting smoking can be incredibly difficulty, however, quitting at any stage have proven health benefits. In the united states, about 7 out of 10 smokers report that they want to quit. Fortunately, nicotine gum and going cold turkey are no longer the only options, because we now have many technological tools that can help. Mobile app can guide

people quitting step by step, and Wearable device can track amount of cigarette a day to help quit smoking app monitor quitting progress.

- c. What is unique about the way your idea/project address this problem?

There are many current quit smoking app but one problem with them is requiring user log smoking habit and tracking progress by hand so the data may not accurate lead to low success rate. Our tracking solution will provide accurate data about how many cigarette people smoke a day help smoking app provide people more personal plan.

- d. Who will benefit from your idea/project?

The solution use for smoking people who want to quit. We also target to young people who familiar with smart phone app and wearable device technology.

- e. Where are you in the design or development of this idea/project

We are in beginning phase, we have idea only. We need to research more to make the idea feasible both technical and business aspect.

- f. Will you work on pursuing your idea/project after you graduate? Yes No Maybe (check boxes then pop up below questions depending what they answer on the check box)

- i. If yes, how can/will your idea/project be sustained beyond the completion of your graduation?  
We can form a team to really make product and pilot in small scope to get feedback.  
We think about pilot with UMASS Lowell student.
- ii. If no, why will you be unable to work on or pursue this idea/project after you graduate?
- iii. If maybe, how might your idea/project be sustained after you graduate?

- g. Why is this idea/project important to you?

I used to be smoking person. I understand how hard people quit smoke. We want to help.