

QUESTIONNAIRE

This is a short questionnaire that will help the development team of *Comet-Vision* determine how helpful the application will be for visually impaired students, faculty, and staff to navigate indoors of ECSS at The University of Texas at Dallas. This will be used to understand any problems or struggles that are currently being faced and to help brainstorm ways to create the most optimal application.

Background Information

Age Range: ☐ 15 – 20 ☐ 21 – 30 ☐ 31 – 40 ☐ 41 – 50 ☐ 51 – 60 ☐ 61 or above

Role at UTD: ☐ Student ☐ Faculty ☐ Staff ☐ Visitor

Phone #: _____

Email: _____

[Current Issues]

1. What is the most difficult part of navigating indoors for you?

a. Can you explain what your concerns or issues are, if you have any?

b. Can you think of anything that would make it easier/more pleasant for you to navigate indoors? Please explain.

2. What are some common obstacles you encounter when walking indoors?

a. Suppose you have bumped into a person by accident. What do you do?

b. Suppose you have bumped into a wall by accident. What do you do?

c. Can you think of any ways that would make it easier for you to detect obstacles?

3. What do you currently do if you need assistance (ex. get lost, run into someone/something)?

a. Who do you first contact when you need assistance when navigating indoors?

b. What do you do if your assistant is unavailable? Do you have other ways to get help?

c. Can you think of anything you wish was readily available to you for help?

[Current Tools & Assistance]

1. Do you currently use any tools to help navigate indoor spaces?

☐ Yes ☐ No

a. If yes, which tools do you use? Please name the tools for us:

b. If yes, what are some things you like or that are helpful about the tool you use?

c. And what are some things you dislike or that are difficult about the tool you use?

d. Can you explain how your tools could be improved to provide better assistance for you?

2. Are there any obstacles that you had a hard time detecting with your tool?

a. Can you name some obstacles that your tool often fails to detect?

3. Have you ever asked anyone for help when navigating to your destination?

☐ Yes ☐ No

a. If yes, were their directions ever confusing or hard to understand?

☐ Yes ☐ No

b. If yes, please explain/describe further about the situation:

4. Suppose you have fallen or are in trouble. Who would you want your phone to first contact?
Please rank them in order.

- ___ Contact Person (family or friends)
- ___ UTD Office of Student AccessAbility
- ___ 9-1-1
- ___ University Police
- ___ Other (please specify): _____

[Route Distance]

1. What form of measurement would you prefer for quantifying distances?

☐ Meters

☐ Feet

☐ Steps

☐ Other:

a. Would you prefer to have an option to have a combination of measurements stated above?

☐ Yes

☐ No

b. If yes, which two measurements would you like a combination of?

2. What are some factors you desire when choosing a route to take to get to your destination?

3. What are some factors you wish to avoid when choosing a route to get to your destination?

[Application]

Please answer the following questions after trying out our first prototype of Comet-Vision.

1. On a scale of 1 to 5, 1 being strongly disagree and 5 being strongly agree, please rate the following:

		Rating
1	The application was easy to install.	
2	The application was easy to set up and customize to my needs.	
3	It was easy to understand how to use the application.	
4	The instructions of the application were easy to follow.	
5	The application gave clear navigation instructions to my destination.	
6	The application helped me avoid obstacles.	
7	The application easily contacted a third-party assistant to help me.	

2. What are some features you liked or felt were necessary to have in the application?

3. What are some features you disliked or felt were unnecessary to have in the application?

- a. Please explain how you feel they could be improved.

4. What are some additional features you would like to see in Comet-Vision to improve your experience?

Please let us know any additional comments, requests, or questions:
