



WICHITA STATE
UNIVERSITY

COLLEGE OF ENGINEERING

Department of
Electrical Engineering
and Computer Science

SMARTPHONE STUDY RECRUITING PARTICIPANTS

We are seeking participants for a research study of a smartphone-based application that helps with navigation in indoor spaces just like GPS is used for outdoor navigation. We hope to learn how effective this application is in guiding users from one point to another in large indoor spaces, and what further improvements are needed before it can be provided as a service to the blind, visually impaired, and even to the general sighted population.

Inclusion Criteria: over the age of 18 and under the age of 60 with normal health but vision that falls into one of the following categories:

- vision is impaired and use a cane for navigation
- vision is impaired and use a guide dog for navigation
- low vision (legally blind, visual acuity $<20/200$ or visual field $<20\text{deg}$) but do not use a cane or dog for navigation
- typical vision without significant impairments

Exclusion Criteria: N/A

Participation will involve coming to the Wichita State University campus (and then to Envision at a later date) and using a provided smartphone to navigate to a specific location within a building. No prior experience using similar navigational applications is required. Each participant will be provided \$20 as compensation for each site location they are asked to visit.

If you have questions or are ready to schedule participation, please contact Dr. Vinod Namboodiri at 316-440-1527 or by email at vinod.namboodiri@wichita.edu

