Hello:

I am writing to see if you would like to participate in research we are conducting**.**  We are examining which PIN entry layouts work well for eye gaze trackers. In order to test this we would like people with Upper Extremity Impairment (UEI) who use eye gaze trackers regularly to participate. A person with UEI is anyone without full use or range of motion of their arms, shoulders, or hands. Participants will be asked to try typing PINs into various layouts in order to determine which ones work well. We would also like to ask participants a few questions about their experiences in using the different layouts.

The details of this research are as follows:

**Principal Investigator:** Krishna Venkatasubramanian, PhD.

**Research purpose:** The **purpose of this research** is to find out which PIN entry layouts work well for eye gaze trackers

**Protocol:** For this research, people with Upper Extremity Impairment (UEI) who are eye gaze tracker users will be asked to enter a automatically generated 4-digit PINs into various layouts. Participants will use their own equipment to complete this study remotely. Before beginning the study, participants will be asked to turn on mouse emulation with their eye-gaze trackers so that we can track mouse movement. Before the PIN entry begins, participants will be given time to familiarize themselves with each layout. Participants will be asked questions afterwards about their experiences.

**Benefits:** Participants will be compensated for their time. Their input would help us build better PIN entry layouts for people who use eye gaze trackers.

**Eligibility:** Participants for this research are people with upper extremity impairment (UEI) who are regular eye gaze tracker users. Someone with an upper extremity impairment is anyone without full use or range of motion of their hands, arms, or shoulders.

**Time commitment:** 60 minutes

**Location:** Premisis of the participant

**Compensation:** Each participant will be compensated for their time with a $10 gift card.

This research has been approved by The University of Rhode Island Institutional Review Board. Please let me know if anyone is interested in participating.