



# 2023 SPRING SENIOR DESIGN EXPO

## info form

Please have one representative from your team fill out every **orange** field on this form.

**Project Title or Name that your team would like to be listed under in the program.**

Smart Pill Box

**Name of Project Advisor(s)** (GA's can be included)

Dr. Weihua Sheng

Joel Quarnstrom (GA)

Zhidong Su (GA)

**School/Departments** (Circle the school(s) that each team member is majoring in.)

ARCH

CIVE

MAE

FPSET

BAE

ECE

CET

MET

CHE

IEM

EET

OTHER\_\_\_\_\_

**Team Members**

**Name** (First and Last)

Zarek Rooker

Stephen Fransen

Daniel Jacobs

Zahra Alnahwi

**Name** (First and Last)

**Project Description/Abstract** (Tell us about your project and why you are working on it. Project abstracts will work here too!)

The main vision of this project is to provide an efficient and safe way to manage medication for elderly patients, especially those with cognitive decline, memory loss, and visual impairments. The Smart Pill Box (SPB) can help them to take medication correctly and on time, reduce medication errors, and provide a better way for caregivers to monitor the medication adherence. The SPB can also provide a more convenient, user-friendly, and cost-effective solution compared to other existing solutions.

**Industry Sponsors** (If your project is sponsored by companies/individuals from industry, please list those sponsors here.)

**Online Poster Presentations/Videos** (Place links to any additional project presentation material that you would like included on your team's page in the program here. If you don't have linkable information, email this information to [dakota.keith@okstate.edu](mailto:dakota.keith@okstate.edu) for inclusion.)