**WSU Engineering+ Service Learning Commitment Form  
ECE and CS Senior Design – Fall 2021**

Name and WSU ID: Damian Avery W963H945

This form serves as a written commitment between the EECS Instructor and the student and should be completed before the student begins working on the project.

Project Description (to be completed by student):

Our Project is to implement a system that will direct students and faculty to an open parking stall. We will execute this by utilizing various sensors to detect vehicle presence. The sensors will be packaged in a node that will communicate wirelessly through a LoRa network. An extensive data infrastructure will be created to route the data from the Node to the user interfaceable app. The app will update occupied or vacant stalls and will direct users accordingly. The SmartPark team is much larger than other senior design teams and therefore our expectations for this project are high. We plan to rise to the occasion and deliver a quality product. This project has high potential to go beyond the scope of senior design.

Student confirms that project meets the following criteria:

* Your project will have a direct impact on a targeted community. Possible communities include those with physical or mental developmental delays.
* You will work directly with the targeted community i.e. you will be in an iterative process developing your project based on continual communication with community members who you are keeping informed of your development.
* You will have written two reflection papers during the semester/year about your experience.
* You will have filled out this commitment form and had the instructor on record for Senior Design sign it before embarking on the project and at least one semester before completion.

Reflection Paper Assignment Dates (as agreed upon by student and instructor):

#1: 1st Semester: 11/14/2021

#2 2nd Semester: 04/14/2022

Damian Avery 11/01/21

Student Signature Date Instructor Signature Date