Project Abstract
Capstone Team #53

Have you ever gotten into trouble finding a parking spot when you are driving to the school? Have you ever see an empty spot, but after you get closer, there is a mini, motorbike or a small car already parking there? After finishing your class, you forget where your car is parking and wasting lot of time trying to find your car.

As a group of engineers, we are dedicated to solve real-world problems. During the four years studying in Rutgers University, we find that the parking system in Rutgers University is not convenient. It is hard for students to find a suitable parking spots. So we came up with an idea to build an automatic system to help people to find a parking spot easier. Our project will save the time spending on finding a parking spot, help people to pay the parking fee in a more logical way and help people to find their car faster. There are cameras in the system to identify the car that is parking at a spot and put the information on a dedicated website. Once a user is logged into the website, the user can find where his or her car is parked. If a user has a reserved spot or need to find a vacant spot, the direction system will show a shortest path to the spot. The system also has a dedicate backend software for the manager to manage the whole parking lot. Furthermore, there are dedicated light on each spot to indicate whether a spot is vacant or not. We believe that if our system is implemented in a real parking lot, it will bring us a life changing experience of parking. We are Inspired Parking Lot Project Team.