

# SMART | PARK

## GOALS:

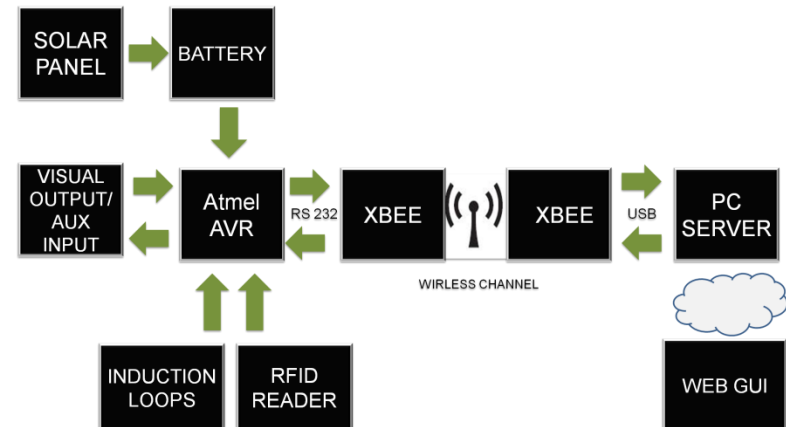
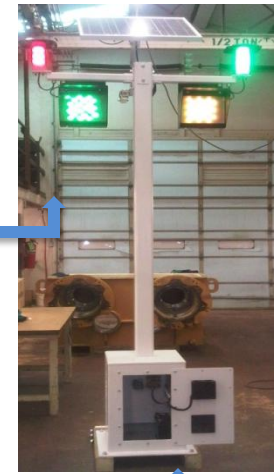
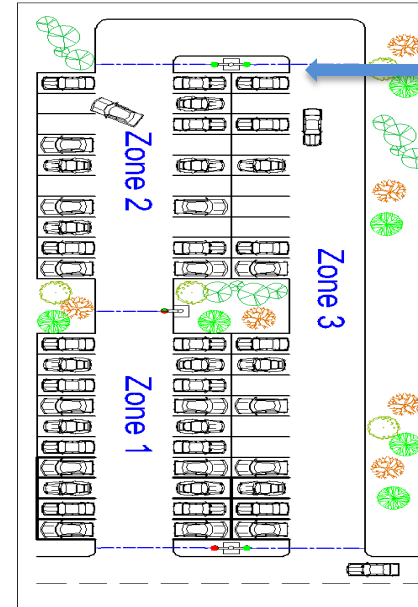
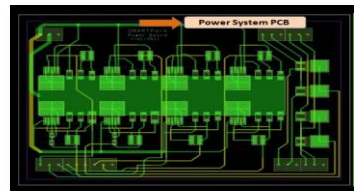
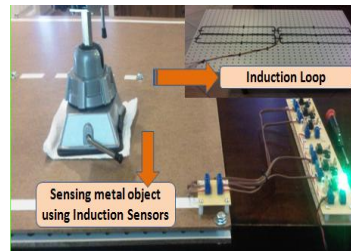
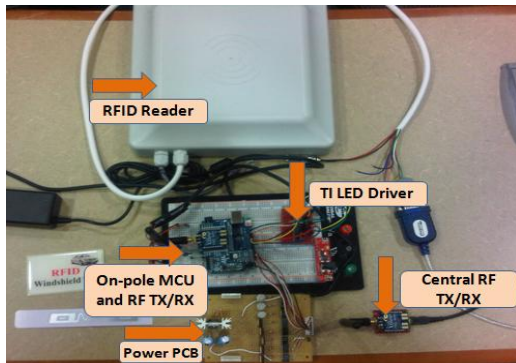
Design a gateless and wireless parking lot management system:

- ❖ Solar powered RFID vehicle tracking solution.
- ❖ Reduce congestion with visual indicators.
- ❖ Track untagged vehicles and indicate special event parking.

## APPROACH:

- ❖ Solar powered poles “zone” the parking lot.
- ❖ RFID-enabled parking permits track lot capacity.
- ❖ Color-coded, alphanumeric LEDs for zone type and event broadcast.
- ❖ Light fixtures and web GUI to indicate open spaces.
- ❖ Central server to control wireless node-links.
- ❖ Induction sensors for untagged vehicles.

## ENGINEERING:



System-Level Diagram