**System limitations:**

1- Parking slot have to be marked by lines.

2- Lane detection and cropping won’t work properly with white and yellow cars.

3- System is invalid at night.

**System Testing**

1. Testing Environment:

- Testing on 40 photos from different parking areas in faculty of engineering.

2. System accuracy:

- When parking slot is available- no obstacle: 40%

- When parking slot is not available- obstacle detected: 75%

3. Reasons for system fails:  
- Not using a fixed photo size as a reference. This problem will be solved after using camera that takes equal resolution photos.

- White or yellow cars in the background.

- Parking lines are not clear on the ground or having a faded color.

- Further enhancement will be done on the line detection module.