

ABSTRACT

Automatic parking spot detection is crucial in efficiently managing parking facilities to enhance user experiences. In this Final Project, the method employed involves the You Only Look Once (YOLO) algorithm. Using YOLOv3 and Darknet as the framework allows for automatic object detection. System testing was carried out in five different cases to obtain an average accuracy score of 87.925%. The results of this final project are expected to serve as a foundation for further developments in the field of object detection and parking management.

Keywords: You Only Look Once, Parking Space, Automatic Detection