TE IT 2018-19
Project Based Seminar

Damage Detection using R-CNN and YOLO

Abstract

Roads are the basic components of the land transportation and the quality of roads commonly decreases because of ageing and deterioration. In order to improve the damage detection, we need to use newest ideas and features. The R-CNN and YOLO methods uses the object detection algorithm which analyses the visual content of an image to recognize instances of a certain damage category, then outputs the category and location of the detected objects. These algorithms help recognizing the conditions of roads by detecting specific types of roads damages in order to use maintenance resources efficiently.

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