

Building a phone usage detection system in the Lab using YOLO

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Abstract: In the context of learning and research increasingly supported by technology, managing personal activities in labs has become important. This topic aims to address the issue of managing inappropriate mobile device usage in academic environments by building an automatic detection system using the YOLO model. The research method includes training and deploying the YOLO network on data collected from labs, combined with experiments to evaluate the system's effectiveness. The expected results will provide a useful solution for managing personal activities in academic environments, contributing to improved work performance and ensuring safety during the learning process.

Keywords: YOLO, object detection, lab management, automated system, mobile phone