

Library Occupancy Detector

This project aims to develop a computer vision model to detect seat/desk occupancy within libraries and show the occupancy rate of the libraries to students. The model will use computer vision techniques to identify unoccupied tables, chairs, and other seating areas within the TEDU library environment. The primary objective of this project is to enhance the study experience for students by providing real-time information on the availability of the library. With the assistance of our computer vision model, students will be able to quickly inform about unoccupied places.

The project will run on the camera installed in the library, and our model will instantly make an inference about the occupancy rate at the table through the data obtained from the camera. Our model will also be able to detect situations such as items left on the table or students who do not have anything on the table but are in their chairs. You can find the link of our project below.

Website Link: <https://github.com/fsaltunyuva/library-occupancy-detector>

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