Students
Abdulmalek Aldossery
Khaled Alneef
Omar Alsaeed

Supervisor
Dr. Syed Sohail

Qassim University
College of Computer | كلية الحاسب
جامعة القصيم

ARIOT

Device Automation using AR and IoT

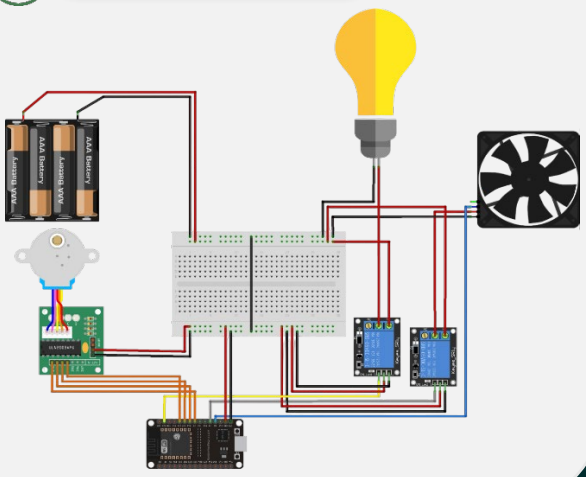
Introduction

These days, Device Automation through IoT has become an essential component, and its reach can be expanded to encompass Augmented Reality. Augmented Reality is employed to overlay interactive content onto real-world objects, facilitating the placement of 3D objects for the control of various IoT devices. Our project investigates the fusion of Augmented Reality (AR) with IoT-based Device Automation. It focuses on using AR to overlay interactive elements onto real-world objects, enabling IoT device control through 3D objects.

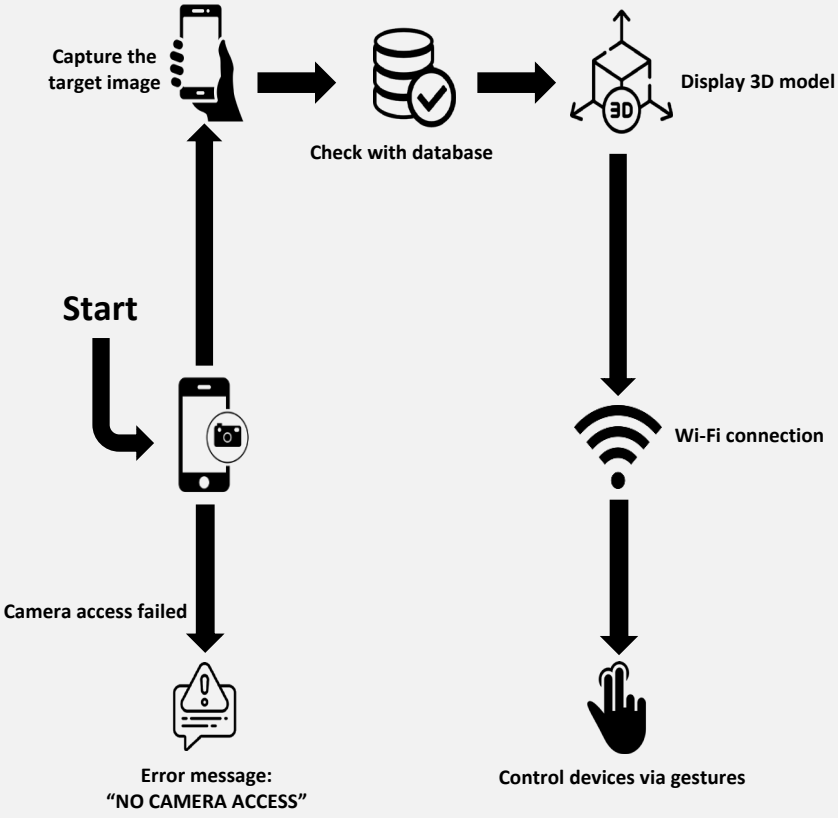
Results

Our findings demonstrate that AR integration enhances user control and engagement. Users can interact with 3D device representations, simplifying smart device management. This integration offers potential benefits like improved user satisfaction and efficient device control, paving the way for a more accessible.

Circuit Diagram



Workflow



Conclusion

In conclusion, this project explores the fusion of Augmented Reality and IoT in the context of device automation, driven by the desire to enhance user experiences. The findings underscore the potential benefits of this integration and its capacity to redefine how we interact with and manage IoT devices.

العثيم للتنمية
Othaim Development
شركة عبدالله العثيم للتنمية
Abdullah Al Othaim Development Co.