UF Herbert Wertheim College of Engineering
UNIVERSITY of FLORIDA

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UF SMART CAMPUS

Larry Rentz and Quadri Abiru

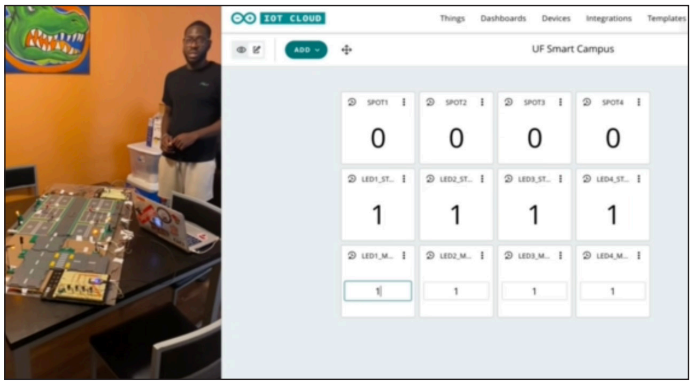
Undergraduate Students, Computer Engineering and Electrical Engineering

The UF Smart Campus model, featuring LED street lights and sensors for parking spots.

UF Smart Campus demonstrates IoT (Internet of Things) features on a scaled version of a university campus. The project implements two smart features:

- remote monitoring and controlling of street lights
- remote monitoring of parking lots and availability of parking spaces

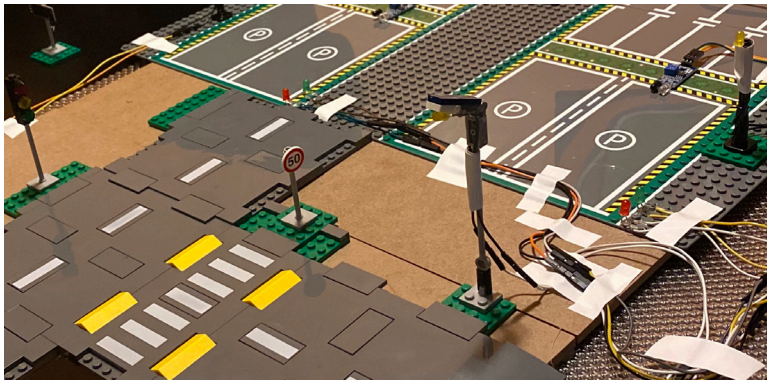
These smart features would address common problems such as vehicular and pedestrian safety and parking management on campus. Smart features that allow real-time monitoring would enable us to respond quickly to outages or emergencies.



Quadri demonstrates the IoT cloud monitoring system which responds to sensors and switches on the board, showing which parking spots are occupied and which street lights are on.

"Smart Cities provide so many benefits, from better pedestrian safety, to quicker transportation, and more reliable infrastructure. Our project helps model different use cases of smart cities and gain insights on the implementation, benefits, and roadblocks of these use cases."

LARRY RENTZ



A closer look at the LED street lights and parking spot sensors on the board.

Smart cities leverage technology and data to solve many civic problems. In the future, the team hopes to integrate more connected technologies such as smart street signs, smart garbage management, and autonomous vehicle data.

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