Corporate Power Inc. - energy monitoring web site and app

Project intro:
Buildings have various systems which use energy - heating/ cooling, ventilation, lighting, refrigeration/ freezers (for food and pharmacy) and other electronic systems.  However, building management systems are focused on detecting problems rather than reducing energy consumption.  Corporate Power wants to build an app to connect with standard wireless IoT devices, monitor and report to reduce energy consumption and help companies comply with NYC local law 97 - see  https://www.urbangreencouncil.org/what-we-do/driving-innovative-policy/ll97/

Company Background: Corporate Power Inc is an IT consulting company which is now helping its NYC clients reduce energy consumption.  The founder Ajay Khanna works out of Golden Colorado and would be available to meet weekly to directly supervise the project.

Project 1: The goal of this project is to develop a web data logger and reporting site that collects data from ten different types of IOT devices.

Project 2: The goal of this project is to develop a mobile app that allows the user to easily view the monitoring of their of ten IOT devices to monitor energy consumption.  Optional: also identify areas for improvement converting standard industry practices into AI.

Team: Preferred Team Size: 3-5

Location: On Campus company/team meetings are acceptable.

Intellectual Property:
• Each team member will be asked to sign an NDA and assignment of intellectual property to Corporate Power Inc.

Student Benefits:
• Opportunity to work on the development of a meaningful business app
• Sponsor will provide detailed use case and specification documents just like the real world
• Aligned with the future of technology: earth, energy, environment
• Future internship opportunities possible
• Positively impact a small business

Requirements:
Completed courses in application development, database (SQL or no SQL), and user interfaces.

Planned Software Platforms:

- Zoho Creator
- Monnit sensors

Contact Information:
Ajay Khanna, President. Ajay.khanna@corporatepower.com